GW Faculty Proposals for Medical Student Summer Research Projects

Please review this packet of faculty proposals for medical student 2025 summer research projects.

Email any faculty who lists a program of interest. We encourage faculty to interview three students before selection.

Remember that you can also identify your own faculty research mentor and develop a project not in the packet.

Once a faculty member has selected you to work on the project, you can use that proposal, along with that research mentor, to apply for funding for the project.

You are encouraged to develop the proposal to apply to multiple funding sources. This increases the likelihood that you will receive a competitive fellowship, since no single source is guaranteed.

Consider fellowship opportunities for medical students:

a. External national summer fellowships
b. External diversity-targeted national fellowships
c. Diversity Supplement to the mentor's NIH grant
d. External Medical student opportunities at other institutions
e. GW Gill fellowships – Apply here
f. GW Health Services Scholarship Program
g. External national year-out fellowships

Click here for steps for a student to apply for funding. Work with your faculty research mentor to develop their proposal into your joint fellowship application.

Faculty Sponsor Name	Title	Project Title
Sonal Batra	Associate Professor	Mutual Expectations and Experiences in Treatment
Nancy Bauman	Associate Chief of Academic Affairs, Otolaryngology	Review of EILO Outcomes Post Multidisciplinary Clinic Institution
		Longitudinal Analysis of Tracheomalacia Diagnosed During the First Year of Life
		Assessment of Timelines of Button Battery Retrieval and Patient Outcomes at Children's National
		When Do Neurologically Normal Patients Diagnosed with Dysphagia (Difficulty Eating) During Infancy Improve and Was Etiology of Their Condition Discovered?
		Implementation of Caretaker Educational Resource for Congenital Tracheomalacia
		Do Patients Undergoing Laryngeal Cleft Injection Require In-House Observation Post Operatively?
		Standardization of Intra Operative Forms for Direct Laryngoscopy and Bronchoscopy
		Respiratory and Swallowing Outcomes in Open Versus Thorascopic Repair of Congenital Tracheoesophageal Fistulas
Scott E. Brown	Chairman, Dept of Physical Medicine and Rehabilitation	Use of Oscillating Motors in the Design and Fabrication of an Upper Extremity Spasticity Control Orthosis
Jillian Catalanotti	Associate Dean for Clinical Public Health & Population Health Practice	Continuum of Care in Hospitalized Patients with Opioid Use Disorder and Infections Complications of Drug Use – NavSTAR, TAU, Addiction/ID Integrated Clinic to Prevent Infection Related Readmission (CHOICE-STAR)
Shawnese Clark	Attending Pediatrician and Instructor of Pediatrics	Community Mental Health CORE (Collaboration, Outreach, Research, Equity) Research Team
		Mental Health Utilization Among Youth at Children's National Hospital
Michelle Clausen	GW Postdoctoral Primary Care Research Training Program – Postdoctoral Scholar	Assessing Early Life Adversity and Well-Being Among Healthcare Professional Students at The George Washington University: A Long-Term Strategy for Creating Sustainable Health Care Outcomes
Nathan T. Cohen	Assistant Professor	Quantifying Dynamic Functional Connectivity Signatures in Pediatric Focal Cortical Dysplasia-Related

Laure Experton	Assistant Professor of Psychiatry, Attending Psychiatrist, Population Health and Health Services Scholar	Problem Management Plus in Wards 7 & 8: Empowering the Community in Basic Psychological Skills
Deborah Fisher	Faculty Advanced Practice Provider	Repairing the Adult Community-Based Palliative Care (CBPC) Provider to Care for the Pediatric Patient: The PANDA Prep Curriculum Pilot Study
Kelvin Fong	Assistant Professor	Understanding How Environmental Exposures Contribute to Pediatric Asthma
Leigh A. Frame	Director, Integrative Medicine and Associate Director of Resiliency & Wellbeing Center	C15:0 Fatty Acid Status: A Retrospective Chart Review
		Literary Review and Best Practices for Bundled Integrative Care Models in Chronic Disease Management
Christopher Gable	Emergency Pediatrician	The Validity of Using EMS Reports in Assessing Risk Factors for Post-Traumatic Stress Disorder Arriving to the Emergency Department: A Pilot Study
Ashraf Harahsheh	Professor of Pediatrics	Kawasaki Disease Registry
Dalia Haydar	Assistant Professor	CAR T Cell Immunotherapy
Linda Herbert	Associate Professor	Evaluation of the Food Allergy Mastery Program
Kristen Johnson	Hospitalist	Rates of Vitamin K Deficiency Bleeding in the U.S. (2000-2024): A Retrospective Cohort Study of the Pediatric Health Information System (PHIS) Database
Brandon Kohrt	Charles and Sonia Akman Professor in Global Psychiatry, Professor of Psychiatry and Behavioral Health, Global Health and Anthropology, and Director, Center for Global Mental Health Equity, Vice Chair for Research, Department of Psychiatry and Behavioral Health	Ensuring Quality and Psychosocial Mental Health Care (EQUIP)
		Restoring Mental Health After COVID-19 Through Community-Based Psychological Services in NYC (RECOUP-NY)
		Ensuring Quality in Psychological Support and Mental Health Helping Skill-Service User Version (EQUIP-SU)
		Stavros Niarchos Foundation Global Center for Child and Adolescent Mental Health at the Child

		Mind Institute (CMI): Qualitative Component in Brazil, South Africa, Greece, and Mozambique
		Sensing Technologies for Maternal Depression Treatment in Low-Resource Settings (StandStrong)
Jennifer Levine	Medical Director, Survivorship, and Supportive Care	Burden of Medical Care After Treatment for Pediatric Brain Cancer
Marc Levitt	Chief, Division of Colorectal and Pelvic Reconstruction	Pediatric Colorectal and Pelvic Learning Consortium Core Data Project Registry Study
Wei Li	Associate Professor	Computational Modeling of Cancer Essential Genes Using AI and CRISPR-Cas9 Screening
Benjamin M. Liu	Assistant Professor	Clinical Impact of Cell-Free Microbial Metagenomic Next-Generation Sequencing for Infectious Diseases Diagnostics in Children
Shideh Majidi	Associate Professor	A Clinic-Based Food Pharmacy Intervention for Children with Type 2 Diabetes and Prediabetes and Food Insecurity
Tim McCaffrey	Professor	Point of Care CD15 Elastase Levels in ED SIRS and ICU Sepsis to Predict Severity of Illness (SENSOR Trial)
Philip McClure	Director	Post Axial Deformity Limb Salvage Protocol
Paige McDonald	Associate Professor	Operationalizing Learning Health Systems Across Levels of Scale
Karen McDonnell	Associate Professor	Development of a Universal Medical School Curriculum for Female Genital Mutilation and Cutting
Andrew Meltzer	Professor, Emergency Medicine	Rapid Diagnosis of Viral Acute Respiratory Infection to Decrease Unnecessary Antibiotic Utilization in the Emergency Department (RADIATE)
Neil Mendhiratta	Assistant Professor of Urology	Screening for Germline Genetic Testing Candidates in an Academic Urology Practice
Emily Niu, Chelsey Bowman, Mia Carmita	Orthopedic Surgeon, Sport Psychologist, Biomechanist/Engineer	Predictors of Return to Sport Following Knee Surgery
Katherine M. Ottolini	Attending Physician	Impact of Early Nutritional Intake in Preterm Brain Development
Adrienne Poon	Associate Professor of Medicine	Debunking the Model Minority Myth: A Community-Based Needs Assessment to Explore Asian American, Native Hawaiian, and Pacific Islander Health Disparities
Sauharda Rai	Assistant Research Professor	Social Detriments of Mental Health: A Longitudinal Cohort Study of Population Affected by Conflict in Rural Nepal
Gabriela Rosenblau	Associate Professor	Cerebellar Contributions to Social Learning in Typically Developing and Autistic Adolescence

Randi Streisand	Tenured Professor and Chief of Division of Psychology	Tween Strengths – Resilience in Youth with T1D
Jason Triplett	Associate Professor	Role of Visual Experience in Maintenance of Visual Map Alignment in the Superior Colliculus
Briony K. Varda	Assistant Professor of Pediatrics and Urology, Director of Clinical Research Organization	Spina Bifida Bowel Management Program
Jessica Weisz	Assistant Professor	Evaluation of Food Pharmacy at Columbia Heights
Michael Whalen	Associate Professor of Urology, Director of Urologic Oncology	Oncologic Outcomes Research in Urologic Oncology (Prostate Cancer & Kidney Cancer)
Jordan Wickstrom	Director of Clinical Research	Gait Lab Database Development
Sarah Wright	Assistant Professor of Rehabilitation and Neurology, and of Pediatrics Organization	PREPARE JMG: Exploring Demographics and Clinical Presentation of Children with Autoimmune Myasthenia Gravis

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-22-2024 9:20am.

1. Faculty Sponsor

Name: Sonal Batra Degrees: MD, MST Title: Associate Professor Organization: GW SMHS

Address: 2120 L Street NW, Ste 450 City: Washington State: DC Zipcode: 20037

Office Phone:	(917) 568-5839
Email Address:	sonal@gwu.edu

2. Daily Supervisor

Name: Sonal Batra Degrees: MD, MST Title: Associate Professor Organization: GW SMHS

Address: 2120 L Street NW, Ste 450 City: Washington State: DC Zipcode: 20037

Office Phone:	(917) 568-5839
Email Address:	sonal@gwu.edu

3. Project Information

Project Title	Mutual Expectations and Experiences in Treatment

Upload up to three faculty publications (within the last three years).
The Clinical Teacher - 2024 - Bronstein - Perceptions of homelessness Is there variation across medical careers and.pdf
batra_2022_oi_220825_1660934981.00215.pdf
the_scope_of_social_mission_content_in_health.31.pdf

Research Focus (Please select all that apply):

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Emergency Medicine Health Disparities _____ _____

Translational Level:

- ⊗ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Emergency departments (EDs) shoulder the heavy burden of acting as healthcare safety nets for marginalized and vulnerable patients. One such group is people experiencing homelessness (PEH). As PEH have complex psychiatric, physical, and social needs, caring for PEH can be challenging for ED teams. A significant body of research has found that PEH have frequent ED visits, but less is known about the alignment - or misalignment - between expectations among PEH and ED providers about their experiences of care. While providers may focus on effectiveness of services provided, research suggests that PEH tend to prioritize kindness and compassion as important aspects of their experience of care. The purpose of the ACE study is to qualitatively compare expectations and attitudes among PEH and healthcare staff in an emergency department in Washington, DC, with the following specific aims: 1. Understand the expectations and perceptions of quality of care among PEH in the ED. 2. Explore the perceptions of ED staff regarding the needs, expectations, and experiences of PEH. 3. Identify barriers and facilitators to receiving optimal care in the ED for PEH. Ultimately, the goal of this research is to generate pilot data that can support expanding this research beyond a

Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This is a qualitative study employing a concurrent design, grounded in the applied, pragmatic research approach. The primary means of data collection will be individual interviews (PEH) and focus groups (healthcare staff in the ED). Individuals who present to the George Washington University Hospital ED between M-Sa from 9AM-4PM will be screened by an ED- based research assistant. Inclusion criteria include screening positive for chronic homelessness, defined as: being homeless (living in a place not meant for human habitation, a safe haven, or in an emergency shelter) for at least one year OR experiencing homelessness (as described above) on at least four separate occasions in the last three years, as long as the combined occasions equal at least 12 months and the break between each occasion was at least seven days. Additional inclusion criteria are: greater than 18 years of age, English as a primary language, and demonstrates decision-making capacity to consent as determined by the treating physician. Exclusion criteria are: currently incarcerated or a ward of state, or a danger to self or others or deemed medically unstable and unable to participate in an interview, as determined by the treating physician. If an individual is not excluded, the research assistant will explain the study, answer any questions, and ask for signed written consent. If the patient consents, the research assistant will contact the on-call interviewer to interview the patient. On call intervers will include people with lived experience with homelessness paired who have received training in semi-structured interviewing. We will use semi-structured, in-depth, in-person interview questions developed using principles of community-engaged research to interview patients. As the interviewer conducts the audio- recorded interview, the research assistant will collect demographic data through the electronic health record (EHR) using a data collection form in RedCap. Demographic information will include age, sex, gender, race, and ethnicity. Additionally, prior ED visits and hospitalizations over the past year in addition to documented past psychiatric comorbidities will also be collected from the EMR. We will begin by utilizing a convenience sample based on study team availability and timing of PEH presentation to the ED. If possible, we will continue recruitment with the aim to achieve maximum variation in our study population among PEH in the Washington, DC area (e.g., variation in age, race, medical history, etc.). Interviews will be conducted until we reach thematic saturation, defined as the point at which no new themes or information emerge after sequential interviews. Interview data will be audio recorded and transcribed through a HIPAA-compliant professional transcription service. Then, at least two qualitative researchers will conduct thematic content analysis with an iterative process to analyze and code the data using computer software NVivo 14. The qualitative researchers will develop a uniform codebook for analyzing the interview content; the codebook may be modified during the analysis to reflect new themes that arise. The qualitative researchers will code iteratively while also working together to reach consensus on themes, codes, sub-codes, and consents

	through
Describe the student's role in the project:	Qualitative coding, manuscript writing
Describe the mentor's role in the project:	Principal Investigator
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Previous HSS scholars: David Bronstein, Sarah Kollender. Additional medical student published research with GW SMHS students: Charmi Trivedi, Nicholas Jennings. Several courses taught in GW SMHS MD program.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR245930 (pending approval, corrections in progress)
IRB Date:	_____

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-25-2024 9:18am.

1. Faculty Sponsor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

2. Daily Supervisor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

3. Project Information

Project Title	1. Review of EILO outcomes post multidisciplinary clinic institution

Upload up to three faculty publications (within the last three years).

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Research Focus (Please select all that apply):

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ENT _____ Pediatrics Surgery

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	survey results of cohort of patients with EILO treated after institution of a multidisciplinary clinic versus our historic survey data prior to institution of a multidisciplinary approach.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	Exercise induced laryngeal obstruction (EILO) is a unique condition where patients experience acute dyspnea due to adduction (approximation) of the vocal folds. This is often a stress related condition. Since it is relatively rare, many patients experience a delay in diagnosis, undergo many unnecessary superfluous diagnostic studies and trial of many unnecessary medications. Furthermore, once diagnosed, treatment strategies are3 not always successful. We recently published a multi-institutional study highlighting these characteristics. To improve EILO management, we instituted a multidisciplinary clinic approach to patient care where all patients are seen by an otolaryngologist, speech therapist and psychologist at the same clinic appointment in order to address all aspects of management. We would like to survey patients treated with this multidisciplinary approach and compare outcome to patients surveyed prior to institution of the multidisciplinary approach.
Describe the student's role in the project:	administering surveys/poss chart review
Describe the mentor's role in the project:	Project oversight and regular check-ins and understanding and correct methodology in data being collected.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Long standing faculty member and has mentored, and continues to mentor, numerous students, residents, and fellows
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-25-2024 9:27am.

1. Faculty Sponsor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

2. Daily Supervisor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

3. Project Information

Project Title	Longitudinal analysis of tracheomalacia diagnosed during the first year of life

Upload up to three faculty publications (within the last three years).

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Research Focus (Please select all that apply):

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ENT _____ Pediatrics Surgery

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Project Goal: review patients diagnosed with tracheomalacia over last decade and accrue demographic data including age at diagnosis, gender, type and severity of tracheomalacia, daycare, other siblings, year of diagnosis (fewer cases during covid) smoke exposure, comorbid conditions etc and look at factors that affect outcome. Outcome measure: number of hospitalizations, number of visits to pulm/ent, use of respiratory medications and use of antibiotics.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	All projects described can be completed during a summer research project with flexible hours to allow for independent work.
Describe the student's role in the project:	Work with mentor to design accrual of data, collect data, write results and paper and submit for presentation at national meeting and/orpublication.
Describe the mentor's role in the project:	I will be available to mentor student through project execution.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have been the recipient of several gill scholar fellows and all works have resulted in publications and/or presentations
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-25-2024 9:38am.

1. Faculty Sponsor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

2. Daily Supervisor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

3. Project Information

Project Title	Assessment of timeliness of button battery retrieval and patient outcome at Children's National.

Upload up to three faculty publications (within the last three years).

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Research Focus (Please select all that apply):

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ENT _____ Pediatrics Surgery

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ◯ T3: Translation to Practice ⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Project Goal: Review button battery data at out institution to assess number that required OR intervention, time from emergency room first call to time to the OR, time from arrival at hospital to time in the OR, subsequent interventions and outcome. Outcome measure: If the time to retrieval appears long compared to other institutions, can we implement a streamlining process to expedite care of these patients. e delayed aorta rupture.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	All projects described can be completed during a summer research project with flexible hours to allow for independent work.
Describe the student's role in the project:	Work with mentor to design accrual of data, collect data, write results and paper and submit for presentation at national meeting and/orpublication.
Describe the mentor's role in the project:	I will be available to mentor student through project execution.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have been the recipient of several gill scholar fellows and all works have resulted in publications and/or presentations
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-25-2024 9:39am.

1. Faculty Sponsor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

2. Daily Supervisor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

3. Project Information

Project Title	When do neurologically normal patients diagnosed with dysphagia (difficulty eating) during infancy improve and was etiology of their condition discovered?

Upload up to three faculty publications (within the last three years).

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Research Focus (Please select all that apply):

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ENT _____ Pediatrics Surgery

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Project Goal: Review outcome data of patients diagnosed with dysphagia during infancy. Outcome measures: when do neurologically normal patients improve? In what percentage of patients was dysphagia a sign of a serious underlying neurologic disorder? Was etiology of dysphagia discovered? What interventions did patients undergo and which aided patients? Early and final IDDSI scores?
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	All projects described can be completed during a summer research project with flexible hours to allow for independent work.
Describe the student's role in the project:	Work with mentor to design accrual of data, collect data, write results and paper and submit for presentation at national meeting and/orpublication.
Describe the mentor's role in the project:	I will be available to mentor student through project execution.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have been the recipient of several gill scholar fellows and all works have resulted in publications and/or presentations
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	_____
IRB Date:	_____

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-25-2024 9:40am.

1. Faculty Sponsor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

2. Daily Supervisor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

3. Project Information

Project Title	: Implementation of caretaker educational resource for congenital tracheomalacia

Upload up to three faculty publications (within the last three years).

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Research Focus (Please select all that apply):

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ENT _____ Pediatrics Surgery

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Project Goal: Create education sheet for tracheomalacia for parents that describes pathophysiology, types, of tracheomalacia, management strategies, expectations and prognosis. Outcome measure: survey patients before (historic control) and after (prospective patients) instituting use of the information sheet to assess understanding of condition.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	All projects described can be completed during a summer research project with flexible hours to allow for independent work.
Describe the student's role in the project:	Work with mentor to design accrual of data, collect data, write results and paper and submit for presentation at national meeting and/orpublication.
Describe the mentor's role in the project:	I will be available to mentor student through project execution.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have been the recipient of several gill scholar fellows and all works have resulted in publications and/or presentations
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-25-2024 9:29am.

1. Faculty Sponsor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

2. Daily Supervisor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

3. Project Information

Project Title	Do patients undergoing laryngeal cleft injection require in house observation post operatively?

Upload up to three faculty publications (within the last three years).

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Research Focus (Please select all that apply):

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ENT _____ Pediatrics Surgery

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Project Goal: Review all patients who underwent a laryngeal cleft injection over last decade and assess how often the patients needed to receive rescue respiratory medications or other interventions to determine if in house observation of all patients or select patients should be done post operatively. Outcome measure: assess frequency of required intervention for patients monitored after laryngeal cleft injection and whether in-house observation is indicated.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	All projects described can be completed during a summer research project with flexible hours to allow for independent work.
Describe the student's role in the project:	Work with mentor to design accrual of data, collect data, write results and paper and submit for presentation at national meeting and/orpublication.
Describe the mentor's role in the project:	I will be available to mentor student through project execution.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have been the recipient of several gill scholar fellows and all works have resulted in publications and/or presentations
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-25-2024 9:45am.

1. Faculty Sponsor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

2. Daily Supervisor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

3. Project Information

Project Title	Standardization of intra operative forms for direct laryngoscopy and bronchoscopy

Upload up to three faculty publications (within the last three years).

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Research Focus (Please select all that apply):

_____

ENT _____ Pediatrics Surgery

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Create a data sheet for DLB findings in the OR combining available literature and our surgeon preferences. Complete a prospective trial assessing efficacy of DLB sheet. Outcome measure: pre and post survey of surgeons use of current practice vs standardized form noting ease of use, practicality, etc.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	All projects described can be completed during a summer research project with flexible hours to allow for independent work.
Describe the student's role in the project:	Work with mentor to design accrual of data, collect data, write results and paper and submit for presentation at national meeting and/orpublication.
Describe the mentor's role in the project:	I will be available to mentor student through project execution.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have been the recipient of several gill scholar fellows and all works have resulted in publications and/or presentations
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	_____
IRB Date:	_____

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-25-2024 9:36am.

1. Faculty Sponsor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

2. Daily Supervisor

Name: Nancy Bauman Degrees: MD Title: Associate Chief of Academic Affairs, Otolaryngology Organization: Children's National Hospital/GWU

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4270
Email Address:	nbauman@childrensnational.org

3. Project Information

Project Title	Respiratory and swallowing outcomes in open versus thorascopic repair of congenital tracheoesophageal fistulas.

Upload up to three faculty publications (within the last three years).

_____
_____
_____

Research Focus (Please select all that apply):

_____

ENT _____ Pediatrics Surgery

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Project Goal: Review last 20 years of TEF closures to assess differences in outcome of thorascopic versus open techniques of TEF management. Outcome measure: Compare short and longterm outcome measures of open versus thorascopic techniques. Factors to be assessed include time to discharge, hospitalizations for respiratory illnesses, ability to eat orally, use of prescription medications and other potential independent variables that will be assessed in a multivariate regression analysis
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	All projects described can be completed during a summer research project with flexible hours to allow for independent work.
Describe the student's role in the project:	Work with mentor to design accrual of data, collect data, write results and paper and submit for presentation at national meeting and/orpublication.
Describe the mentor's role in the project:	I will be available to mentor student through project execution.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have been the recipient of several gill scholar fellows and all works have resulted in publications and/or presentations
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-02-2024 2:21pm.

1. Faculty Sponsor

Name: Scott E. Brown Degrees: MD, MA Title: Chairman, dept of Physical Medicine and Rehabilitation, Sinai Hospital of Baltimore Organization: Sinai Rehabilitation Center, Sinai Hospital of Baltimore

Address: 2401 West Belvedere City: Baltimore State: MD Zipcode: 21215

Office Phone:	(410) 601-6585
Email Address:	sebrown@lifebridgehealth.org

2. Daily Supervisor

Name: Scott E. Brown Degrees: MD, MA Title: Chairman, dept of Physical Medicine and Rehabilitation, Sinai Hospital of Baltimore Organization: Sinai Rehabilitation Center, Sinai Hospital of Baltimore

Address: 2401 West Belvedere City: Baltimore State: MD Zipcode: 21215

Office Phone:	(410) 601-6585
Email Address:	sebrown@lifebridgehealth.org

3. Project Information

Project Title	Use of oscillating motors in the design and fabrication of an upper extremity spasticity control orthosis

Upload up to three faculty publications (within the last three years).
publication 1.docx
Publication 2.docx
Publication 3.docx

Research Focus (Please select all that apply):

_____

_____ _____ Neurology _____

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ⊗ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	literature search to include effect of oscillation on spasticity, use of oscillation clinically, clinical evaluation of subject, outline of outcome goals, design of splint, fabrication of splint, outcome assessment
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This is a rehabilitation engineering project to investigate the potential usefulness and utility of biomechanical application of rapid oscillating forces to muscle-tendon units to reduce hypertonicity (spasticity) in the hand/upper extremity. The project requires a literature search for the current theories regarding persistent increased tone after a stroke, the use of physical forces applied to muscle-tendon units, and the effect of oscillating forces on tone. (2 weeks) With this as background, a patient will be clinically evaluated to determine appropriate goals for spasticity management including the use of a custom designed orthosis with an oscillating motor imbedded in the device. (2 weeks for design and fabrication) Up to 4 oscillation dosing regimens will be applied and the clinical effect assessed. (4 weeks) This is a novel application of external forces utilizing a custom designed, 3D printed orthosis with embedded motorized technology. The patient can use the device independently.
Describe the student's role in the project:	Performing literature search, participating in clinical assessment of patient, working with the faculty advisor, the occupational therapist and Senior Rehabilitation Scientist (the rehab engineer) in designing the orthosis. The student will gain an understanding of the physiology of spasticity, the effects of external mechanical forces on tissue, the clinical evaluation of hypertonicity, and fundamentals of rehab engineering
Describe the mentor's role in the project:	The mentor will oversee all phases of th project in conjunction with other staff as noted.A subject patient will be identified by the mentor before the student starts the project.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	For many years Sinai Rehabilitation Center has hosted medical students for clinical rotations.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-11-2024 2:39pm.

1. Faculty Sponsor

Name: Jillian Catalanotti Degrees: MD, MPH Title: Associate Dean for Clinical Public Health & Population Health Practice Organization: GWU/MFA

Address: 2150 Pennsylvania Ave, NW City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 994-2092
Email Address:	jcatalanotti@mfa.gwu.edu

2. Daily Supervisor

Name: Jillian Catalanotti Degrees: MD, MPH Title: Associate Dean for Clinical Public Health & Population Health Practice Organization: GWU/MFA

Address: 2150 Pennsylvania Ave, NW City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 994-2092
Email Address:	jcatalanotti@mfa.gwu.edu

3. Project Information

Project Title	Continuum of Care in Hospitalized Patients with Opioid Use Disorder and Infectious Complications of Drug Use - NavSTAR, TAU, Addiction/ID Integrated Clinic to Prevent Infection Related Readmission (CHOICE-STAR)

Upload up to three faculty publications (within the last three years).
Journal of Hospital Medicine - 2023 - Carpenter - Use of nonstigmatizing language is associated with improved outcomes in.pdf
Undertreatment of opioid use disorder in patients hospitalized with injection drug use-associated infections.pdf
Addict Sci Clin Prac 2024 Bradford.pdf

Research Focus (Please select all that apply):

_____

General Internal Medicine Health Disparities, Infectious Disease _____ Pharmacology, Psychiatry

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ⊗ T3: Translation to Practice ◯ T4: Translation to Population Health
Project goals and measurable objectives (e.g. number of patient records, assays completed):	Ultimately, this is a 2 year study that will enroll 75 participants per year. We will pre-screen all patients admitted to GWUH with infections believe related to injection opioid use.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This is a randomized controlled trial of post-discharge interventions for patients admitted to the hospital with infections related to injection opioid use. We have three arms: treatment as usual, intensive patient navigation, and integrated infectious diseases-opioid use disorder clinic. Our primary outcome is to prevent readmission to the hospital within one year. Secondary outcomes include outcomes of engagement in treatment.
Describe the student's role in the project:	The student would act as a research assistant working directly with our research associate. They would help to recruit participants and participate in their research visits to administer surveys to participants for data collection. They may be able to assist with our patient navigator arm but I am not sure that will be available. These activities all occur on campus at GWUH or at the MFA building.
Describe the mentor's role in the project:	Dr Catalanotti is site co-PI for the GW site of this 4-site study. She is also a physician seeing patients in the integrated ID-OUD clinic arm.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Catalanotti has previously mentored one Gill Fellows and one Health Services Scholars Fellow. She has mentored numerous other medical students on research studies as well as other publications like QI projects, clinical vignettes and/or case reports.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	WCG (external IRB) 1378292
IRB Date:	8/9/2024

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-02-2024 3:26pm.

1. Faculty Sponsor

Name: Shawneese Gilpin Clark Degrees: MD Title: Attending Pediatrician/Instructor of Pediatrics Organization: Center for Translational Research, Children's National Hospital

Address: 2101 Martin Luther King Jr Ave SE City: Washington State: DC Zipcode: 20020

Office Phone:	(202) 476-3457
Email Address:	slgilpin@childrensnational.org

2. Daily Supervisor

Name: Julie Heier Degrees: PhD Title: Attending Psychologist Organization: Center for Translational Research, Children's National Hospital

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20011

Office Phone:	(202) 476-3457
Email Address:	jheier@childrensnational.org

3. Project Information

Project Title	Community Mental Health CORE (Collaboration, Outreach, Research, Equity) Research Team

Upload up to three faculty publications (within the last three years).
Beers et al (2024) Making Advocacy part of your job.pdf
Clark et al (2021) Policy solutions to eliminate racial and ethnic child health disparities in the USA - ScienceDirect.pdf
Sharma-Patel (2024).pdf

Research Focus (Please select all that apply):

_____

_____ Health Disparities Pediatrics Psychiatry

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ◯ T3: Translation to Practice ⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	The Community Mental Health CORE (Collaboration, Outreach, Research, Equity) is a community-based research center in the Center for Translational Research, Children's National Hospital. The Center is led by Dr. Lee Savio Beers, MD. The goals of the center are to improve access, equity, and sustainability of scalable and enduring programs for mental health enduring through research, advocacy, and systems change. Current Project goals are to describe and quantify mental health utilization, access, and barriers within Inpatient, Emergency room, and primary care using existing mental health metrics and population-based screening measures.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This project involves data collection, evaluation of CMH CORE initiatives to build on our existing programs for sustainability and policy change. Below are existing projects the student will support with program evaluation. This project will have multiple mentors including Dr. Shawneese Clark (MD) a research pediatrician, Dr. Sharon Shih (PhD) psychologist in primary care, and Dr. Julie Heier, (psychologist). The primary project is a retrospective exploration of mental health utilization across inpatient and outpatient settings at Children's National Hospital. The following research questions: 1. Which youth are at higher risk repeat psychiatric admissions (e.g., examine whether zip code/child opportunity index, insurance as proxy for access to care 2. What is the association between COI and depression to suicidal ideation/attempt readmission 3. How was mental health utilization impacted during the height of the pandemic in Washington DC Secret Shopper study to examine access to youth mental health care in Washington, DC Projects in the CM CORE aim to evaluate and enhance innovative community mental health interventions spearheaded by the CMH CORE. Specifically, students will contribute to initiatives that: 1. Assess the effectiveness of enabling supports in connecting families to high-quality care. 2. Analyze the outcomes of infrastructure-building initiatives to expand mental health service access. 3. Research the scalability of direct mental health services for underserved communities. Students will be involved in policy analysis, family engagement strategies, and evaluating the impact of mental health interventions on racial and health equity. Please see this link for an overview of our work: CM Community CORE

Describe the student's role in the project:	Student Role: The student will: • Participate in weekly research meetings and also participate larger CM CORE Team meetings under Dr. Lee Beers to learn about community-based research and mental health infrastructure building. In addition to individual research projects, the CM Core holds professional development opportunities, journal club, and speakers from our community partners. Students can also take advantage of research training and lectures that is offered on a range of topics • Complete retrospective chart review, data entry, assist with data analysis, literature reviews, Redcap survey development, and coordinating with study team to address any study related issues. • Work on translating findings into practical recommendations to enhance access, equity, and sustainability in mental health care with goal of a final abstract or deliverable at the end of the summer.
Describe the mentor's role in the project:	The mentors (Drs. Clark, Shih, and Heier) will have weekly meetings will ensure progress and provide opportunities for professional development. The mentor will also support the student in translating research findings into actionable insights for community mental health care. By the end of the summer the student will have one deliverable (e.g., scientific abstract).
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Shih, PhD oversees students (2 undergraduate students, 1 postbaccalaureate student, and 1 medical student) on a research project assessing accessibility of pediatric mental health services in Washington, D.C. Dr. Clark, MD is currently mentoring a MPH candidate in their master's thesis examining. Dr. Heier, PhD has mentored a REACH fellow and oversaw development of a presentation accepted as a workshop at PAS 2024 and manuscript. All mentors value students and helping scholars learn about research in academic medicine and diversifying the medical workforce.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-02-2024 5:26pm.

1. Faculty Sponsor

Name: Shawnese Clark Degrees: MD, MPH Title: Assistant Professor Organization: Children's National Hospital

Address: 2101 Martin Luther King Jr Ave SE City: Washington State: DC Zipcode: 20020

Office Phone:	(202) 476-6900
Email Address:	slgilpin@childrensnational.org

2. Daily Supervisor

Name: Shawnese Clark Degrees: MD, MPH Title: Assistant Professor Organization: Children's National Hospital

Address: 2101 Martin Luther King Jr Ave SE City: Washington State: DC Zipcode: 20020

Office Phone:	(202) 476-6900
Email Address:	slgilpin@childrensnational.org

3. Project Information

Project Title	Mental Health Utilization Among Youth at Children's National Hospital

Upload up to three faculty publications (within the last three years).
Guidance on Convos on Racism peds.2023-063767.pdf
Adolescents' Experiences, Emotions, and Coping Strategies Associated With Exposure to Media-Based Vicarious Racism.pdf
Melanincholy- A Qualitative Exploration of Youth Media Use, Vicarious Racism, and Perceptions of Health.pdf

Research Focus (Please select all that apply):

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Emergency Medicine Health Disparities Pediatrics Psychiatry

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	In order to improve mental health outcomes, data on the prevalence of mental health conditions across the Children's National Hospital (CNH) system, can aide in monitoring trends and changes that could provide information on where resources are needed within the CNH system. Additionally, surveillance of mental health utilization within the CNH system, by various sociodemographic factors, resources already available such as staff, etc. can help provide a foundation for decision making as it relates to interventions and quality improvement strategies to improve mental health utilization and outcomes. Therefore, data on mental health surveys will be pulled from the electronic health record (EHR) and analyzed. Furthermore, chart reviews will be completed to extract additional information on mental health utilization and outcomes and associated individual, family and community factors. About 100 charts would be reviewed to inform research questions and grant proposals. Additionally, qualitative analysis may be done on chart reviewed data to characterize factors that may impact mental health utilization and outcomes.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This study is a single-center retrospective repeated cross sectional study. We are examining mental health service utilization for all youth who presented for care at CNH for a primary mental health chief concern. Data will be collected from the Children's National Hospital emergency department, inpatient psychiatry unit, outpatient specialty clinics, and Goldberg Primary care outpatient community sites. The study will gather retrospective data on all patients who have an encounter for a psychiatric concern from January 1st 2017 to January 1st 2023. Data will be collected from chart and revenue and billing data collection methods.
Describe the student's role in the project:	The student will be a collaborator on our research team (The Community Mental Health CORE https://www.childrensnational.org/in-the-community/child-health-advocacy-institute/community-mental-health). They will be involved in data extraction from chart reviews, and help with data analysis, abstract and manuscript preparation. The ideal candidate will be interested in both qualitative and quantitative data. Additionally, they should have a strong interest in improving mental health outcomes among youth in our city.
Describe the mentor's role in the project:	The mentors will oversee and advise the medical student on this project.

Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	The primary mentor is a new faculty member who completed a two year research fellowship at Northwestern University, during which time she worked with undergraduate and medical students. During that time, her research involved investigating teens experiences with the "double pandemic" of racism and COVID-19. She also explored how physicians should have conversations with youth about race and racism in clinical settings. Her own research interestes involve improving mental health among youth and exploring how colorblind racial ideology among physicians affect the care that they provide to patients.Dr. Lee Beers, who oversees the larger research group, has worked with numerous medical students interested in both research and advocacy. Her intererests involve improving mental health care access, utilization, and outcomes among youth.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-29-2024 1:48pm.

1. Faculty Sponsor

Name: Michelle Clausen Degrees: PhD in Nusing, MSN in Nursing, Concentration in Nurse Midwifery, BS Nursing, BS Public Health Title: GW Postdoctoral Primary Care Research Training Program- Postdoctoral Scholar Organization: GW SMHS

Address: 2600 Virginia Ave NW, Suite 300 City: washington State: dc Zipcode: 20037

Office Phone:	(631) 682-0991
Email Address:	mclausen@gwu.edu

2. Daily Supervisor

Name: Patrick Corr Degrees: Ed.D, M.Ed., AFAMEE Title: Assistant Professor, Clinical Research & Leadership Vice Program Director, Integrative Medicine Organization: GW SMHS Clinical Research and Leadership

Address: 2600 Virginia Ave NW, Suite 300 City: washington State: dc Zipcode: 20037

Office Phone:	(571) 553-0329
Email Address:	pcorr@gwu.edu

3. Project Information

Project Title	Assessing Early Life Adversity and Well-being among Healthcare Professional Students at the George Washington University: A Long-term Strategy for Creating Sustainable Health Care Outcomes

Upload up to three faculty publications (within the last three years).
Development of a cervical cancer prevention textmessaging program for women living with HIV.pdf
Exploring young adults ecigarette use behavior during covid.pdf
Prevalence of Food Insecurity Among Cancer Survivors in US.pdf

Research Focus (Please select all that apply):

_____

_____ Medical Education _____ Public Health

Translational Level:	⊗ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ◯ T3: Translation to Practice ◯ T4: Translation to Population Health
Project goals and measurable objectives (e.g. number of patient records, assays completed):	Early life adversity measured through the concept of Adverse Childhood Experiences (ACEs), has demonstrated to have a profound impact on long-term health and well-being, influencing mental health, chronic diseases, and professional functioning. Such potentially traumatic experiences early in life can predispose individuals to chronic health conditions, mental health challenges, and reduced life expectancy. Students entering healthcare professions are particularly vulnerable to stress and burnout due to the rigorous demands of their training. There is limited knowledge about the effects of early life adversity on HCP students, especially concerning how such experiences may influence their resilience and susceptibility to burnout. Understanding the ACE profiles of HCP students is essential, as it can inform the development of targeted interventions aimed at enhancing well-being in future HCPs which may foster a more resilient and well-prepared healthcare workforce, ultimately improving patient care and patient outcomes. This study aims to (1) Characterize ACEs distribution among HCP students (2) Explore and summarize ACEs and well-being among HCP students (3) Examine the relationship between ACEs and well-being. These findings will be used to inform the development of targeted intervention aimed at enhancing the well-being and resiliency of healthcare students with high ACE scores

Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	Understanding the relationship between personal early life adversity and well-being among students entering the healthcare workforce can inform strategies to support a more stable and healthier workforce which may have long-term implications for decreasing healthcare costs by delivering optimal, comprehensive, and holistic care. A cross-sectional study design will be used to gather comprehensive data which will assist in the exploration and examination of adverse childhood experiences (ACEs) and well-being among healthcare professional students. This information will inform interventions aimed at strengthening the healthcare workforce and improving patient care. This study will utilize a convenience sample of HCP students enrolled in healthcare programs at GWU. The population will include students from various health disciplines, such as medicine, nursing, and allied health sciences. Using nonrandom convenience sampling, we will engage in a targeted recruitment of HCP students at GW. This includes students within the School of Nursing and the School of Medicine and Health Sciences. We will solicit study participants through university partners and colleagues at GWU. The study will employ a structured design using GW REDCap platform to facilitate participant engagement. Eligible participants will access the survey via a QR code or link, where they complete the survey which includes the ACEs Questionnaire, the WHO-5 Well-Being Index, and additional demographic questions. De-identified data will be collected and analyzed. We aimed to recruit 500 participants.
Describe the student's role in the project:	There is the opportunity for the student to be intimately involved in the data analysis and manuscript development process, and integrating with the research team, which can be customized to fit the skills, needs, and availability of the student. There may be future opportunity to collaborate in a follow-up study focused on the development of an intervention. They will have access to the research team for assistance and mentoring throughout the process.
Describe the mentor's role in the project:	Dr. Clausen is the PI for this study, bringing experience and passion to her work. Having successfully mentored numerous students on this and similar projects, she is dedicated to fostering a collaborative and enriching environment. Her supportive approach empowers students to explore their ideas and develop their skills, ensuring that everyone feels valued and encouraged while providing personalized guidance and promoting independence in research.

Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Currently Dr. Clausen is currently collaborating with a medical student on a study assessing wellbeing across the GWU Medical Enterprise. In the past Dr. Clausen has worked with medical students on various research studies. Members of our research team are currently working with several medical students on various projects including an intervention related to gut microbiome patient education and behavior change, several comprehensive/scoping reviews, and one outcome research project.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR246153
IRB Date:	_____

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-01-2024 4:43pm.

1. Faculty Sponsor

Name: Nathan T. Cohen Degrees: MD Title: Assistant Professor Organization: Children's National

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2120
Email Address:	ncohen@childrensnational.org

2. Daily Supervisor

Name: Nathan T. Cohen Degrees: MD Title: Assistant Professor Organization: Children's National Hospital

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2120
Email Address:	ncohen@childrensnational.org

3. Project Information

Project Title	Quantifying dynamic functional connectivity signatures in pediatric focal cortical dysplasia-related

Upload up to three faculty publications (within the last three years).
Annals of Neurology - 2024 - Xie - Mapping Functional Connectivity Signatures of Pharmacoresistant Focal Cortical.pdf
1-s2.0-S1059131124002826-main.pdf
Prevalence and Risk Factors for Pharmacoresistance in Children with Focal Cortical Dysplasia Related Epilepsy Neurology 2022.pdf

Research Focus (Please select all that apply):

_____

_____ _____ Neurology, Neurosurgery, Pediatrics Radiology

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ⊗ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Focal cortical dysplasia (FCD) is the most frequent etiology of surgically treatable pharmacoresistant (PRE) epilepsy in children. Using static functional connectivity analysis of resting state functional MRI, we showed that FCD patients with PRE have mutual functional network alterations compared to healthy controls, including diminished static functional connectivity within the dominant network (Xie et al., Annals of Neurology 2024). The majority of resting-state functional connectivity analyses are based on static functional connectivity as averaged across the acquisition of the resting-state fMRI study. However, newer analytic methods allow for the quantitative analysis of dynamic (time-varying) functional connectivity changes to study how FCD affects neural dynamics. The goal of this study is to identify dynamic functional connectivity differences in 50 FCD patients with PRE compared to age- and sex-matched healthy controls and examine whether FCD patients with PRE show abnormal brain network dynamics.

Overall design of the research project: Please describe the time frame and breakdown of activities.

Selection criteria include:

The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research

Hypothesis 1: Focal cortical dysplasia patients with pharmacoresistant epilepsy will have altered whole-brain dynamic functional connectivity compared to healthy controls. Hypothesis 2: FCD patients with pharmacoresistant epilepsy will have greater variability in the connectivity strength between brain regions over time, making it more difficult for the brain networks to communicate smoothly and causing abnormal brain state switching patterns. Weeks 1-2: Awardee will conduct background reading and receive orientation to computational imaging software Weeks 3-4: Awardee will process 50 FCD patient resting-state fMRI and begin quantitative analysis. Age-matched normal fMRI will be obtained from the publicly available NIH Human Connectome Project-Development (HCP-D) dataset. Weeks 5-6: Quantitative data analysis of global and network-specific dynamic functional connectivity differences will be completed. Manuscript will be drafted. Weeks 7-8: The final segment will be spent creating abstract for submission to national meeting (American Academy of Neurology or American Epilepsy Society) and preparing manuscript for final submission. Our program already has a series of >90 pediatric patients with pharmacoresistant FCD-related epilepsy who have confirmed FCD pathology, including ~50 pediatric FCD-PRE patients with available resting-state fMRI. These patients all had high-resolution, preoperative epilepsy protocol MRI. Through our prior studies, we have already manually segmented the FCD lesions on MRI, and have already pre-processed fMRI data for majority of patients. This study is achievable within the summer timeframe. The primary outcome of the study is to evaluate if there is altered whole-brain dynamic functional connectivity in 50 FCD-PRE patients compared to age- and sex- matched healthy controls. We will also evaluate if there is diminished dynamic functional connectivity state switching within the dominant network in patients with FCD-PRE. Team: Primary Mentor: Nathan T. Cohen, MD: Assistant Professor of Pediatrics and Neurology at GWU; Investigator, Center for Neuroscience Research at Children's National Hospital; Attending Epileptologist and Child Neurologist, Children's National Hospital. Consultant: Hua Xie, PhD: Assistant Professor of Neurology (Research) at GWU; Computational Scientist Consultant: Venkata Sita Priyanka Illapani, MS: Research Staff at Center for Neuroscience Research at Children's National; Computational Scientist

Describe the student's role in the project:	The Gill Fellow will gain experience in quantitative neuroimaging of pediatric epilepsy by performing a focused, mentored project that is expected to be completed in the timeframe. The student will participate in weekly epilepsy imaging laboratory meetings at the Center for Neuroscience Research at Children's National Hospital to include didactic lectures related to pediatric epilepsy, epilepsy neuroimaging and surgery. They will have guided readings and exposure to ongoing discussions about study design, the ethical conduct of research, advanced data and statistical analytic techniques as well as exposure to grantsmanship and collaborative research efforts. The fellow will have the opportunity to attend pediatric epilepsy clinics with Dr. Cohen and colleagues, and to participate in weekly surgical epilepsy conferences at the Children's National Comprehensive Pediatric Epilepsy Program to put their research into context. Additionally, it is expected that this project will yield at minimum a first author abstract at a national meeting, and expect authorship on a derivative publication.
Describe the mentor's role in the project:	Dr. Cohen's research interests include using functional imaging to explore networks underlying pediatric epilepsies and their comorbidities, with a focus on focal cortical dysplasia-related epilepsy. He has expertise in structural and functional imaging techniques and advanced analyses of imaging data. His research has led to key discoveries such as the redefinition of pharmacoresistance in FCD-related epilepsy, the functional network basis of age of seizure onset in FCD-related epilepsy, and demonstrating that limbic network co-localization is a risk factor for pharmacoresistance in FCD-related epilepsy. Recently, his work with Dr. Xie showed that there are mutual functional connectivity alterations in children with FCD-PRE compared to controls, which forms the basis for the present study. Dr. Cohen will be available for day-to-day supervision, mentoring and education.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Cohen has mentored 3 GW medical students for prior Gill Fellowships, American Academy of Neurology Medical Student Summer Research Fellowship, and Summer METEOR Fellowship.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	STUDY00000354
IRB Date:	1/18/2023

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-27-2024 6:14pm.

1. Faculty Sponsor

Name: Laure Experton Degrees: MD Title: Assistant Professor of Psychiatry, Attending Psychiatrist, Population Health and Health Services Scholar Organization: George Washington University

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Email Address:	bkohrt@email.gwu.edu

2. Daily Supervisor

Name: Laure Experton Degrees: MD Title: Assistant Professor of Psychiatry, Attending Psychiatrist, Population Health and Health Services Scholar Organization: George Washington University

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3. Project Information

Project Title	Problem Management Plus in Wards 7 & 8: Empowering the community in basic psychological skills

Upload up to three faculty publications (within the last three years).

_____
_____
_____

Research Focus (Please select all that apply):

_____

_____ Health Disparities _____ Psychiatry, Public Health

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	This project aims to address mental health disparities in Washington, D.C.'s Wards 7 and 8 by implementing and evaluating a culturally adapted version of Problem Management Plus (PM+). The intervention will empower non-specialists from community-based organizations (CBOs) to deliver mental health support to underserved populations. Measurable Objectives: Community Engagement Establish a Community Advisory Board (CAB) with at least 8 members by Month 3. Conduct 20 qualitative interviews to assess local mental health needs. Cultural Adaptation Complete cultural adaptations to PM+ materials by Month 12. Training and Delivery Train 10 to 15 non-specialist PM+ helpers by Month 15. Deliver PM+ to about 30 clients across Wards 7 and 8 by Month 18 Data Collection and Analysis Administer pre- and post-intervention measures for helpers and clients. Evaluate helper competency and intervention effectiveness. Dissemination Share findings with stakeholders and submit one manuscript by Month 24.

Overall design of the research project: Please describe the time frame and breakdown of activities.

Selection criteria include:

The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research

In Washington, D.C., residents of Wards 7 and 8 face significant health disparities characterized by high poverty, violence, and limited access to health services. These factors contribute to elevated rates of depression, anxiety, substance use, and trauma, further compounded by barriers such as stigma and distrust of healthcare systems. Problem Management Plus (PM+), a WHO-developed intervention, is a community-centered, evidence-based approach designed to reduce emotional distress and enhance problem-solving skills among populations facing adversity. Widely adopted globally, PM+ is underutilized in the U.S., despite its potential to address mental health service gaps in low-income urban neighborhoods. This project seeks to implement PM+ in Wards 7 and 8 through a task-sharing model, enabling non-specialists from community-based organizations (CBOs) to deliver culturally adapted mental health support. Findings aim to demonstrate how task-sharing can empower local organizations, sustainably address mental health needs, and strengthen community resilience. Year 1 Milestones (July 2024-June 2025) Establish Community Advisory Board (CAB): Recruit a diverse CAB to guide study design, CBO outreach, and cultural adaptation. Conduct Needs Assessment: Collect data on local mental health needs and service delivery through: Quantitative data review Qualitative interviews with residents, CBO staff, CAB members Qualitative interviews with existing PM+ helpers from a parallel study in New York (RECOUP-NY) Adapt PM+ Training and Materials: Use insights from the needs assessment to culturally adapt PM+ materials and training protocols. Plan Data Collection: Finalize tools and protocols for post-intervention qualitative and quantitative data collection, ensuring alignment with study objectives. Year 2 Milestones (July 2025 to June 2026): Train PM+ Helpers: Deliver training to non-mental health specialists, focusing on intervention delivery, cultural sensitivity, and core PM+ skills. Implement PM+ Intervention: Launch the intervention, delivering PM+ by trained helpers to clients, monitoring delivery and making iterative adjustments based on feedback. Collect and Analyze Data Collect quantitative and qualitative data to assess intervention outcomes and helper competency. Conduct statistical analysis and thematic synthesis to evaluate impact and inform further program refinements. Disseminate Findings Share preliminary results with stakeholders, including the CAB, CBO partners, and the academic community. Draft manuscripts for publication and prepare for conference presentations.

Describe the student's role in the project:	During the summer of 2025, students will contribute to adapting PM+ training materials to local contexts and preparing for helper training. They will engage in the following activities: Qualitative Data Analysis: Students will code and categorize interview data, identify key themes, and draft protocols to guide cultural adaptation. By doing so, they will develop skills in qualitative analysis, thematic synthesis, and evidence-based adaptation of interventions. Training Preparation: Students will collaborate with faculty to review PM+ manuals and training materials, ensuring they are practical and culturally relevant for non-specialist helpers. This will involve analyzing helper needs and tailoring materials accordingly. Through these tasks, students will achieve the following learning objectives: Develop competence in qualitative research methods and data interpretation. Understand the principles and processes of cultural adaptation in mental health interventions. Enhance skills in interdisciplinary collaboration by working with community and academic stakeholders. Reflect on the importance of cultural competence and task-sharing in global mental health care delivery. Students are expected to produce a summary of analyzed data, assist in drafting adaptation protocols, and contribute sections to the revised training manual. They will receive regular guidance and feedback from faculty to ensure meaningful learning and alignment with project goals.
Describe the mentor's role in the project:	The faculty mentor will support students in developing skills in mixed-methods research, focusing on qualitative and quantitative data analysis and implementation science. They will provide an overview of the project's objectives, outline student roles, and set clear expectations for deliverables. During the qualitative analysis phase, the mentor will train students in coding and identifying themes, offering feedback to ensure rigor and connect findings to the project's broader goals. For the preparation of training materials, the mentor will guide students in reviewing and refining PM+ manuals, emphasizing the importance of adapting materials for non-specialists. The mentor will facilitate interdisciplinary learning by involving students in discussions with community-based organization (CBO) leaders, staff, and other stakeholders, encouraging reflective learning about cultural competence and task-sharing. Regular check-ins and feedback sessions will ensure that students are supported while gaining valuable skills and insights into global mental health care delivery.

Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Since July 2024, the faculty mentor has guided a GW medical research fellow involved in this project, providing hands-on training in key aspects of research. The fellow has developed skills in literature review, drafting key informant interview questions, creating consent forms, submitting IRB applications, and engaging with community-based organizations (CBOs) for outreach and collaboration. This experience has emphasized cultural competence, stakeholder engagement, and the practicalities of implementing community-focused mental health interventions. Regular feedback sessions have supported the fellow's growth in critical thinking, interdisciplinary collaboration, and research skills, preparing them to address health disparities in underserved populations effectively.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	_____
IRB Date:	_____

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-17-2024 3:48pm.

1. Faculty Sponsor

Name: Deborah Fisher Degrees: PhD, CHPPN Title: Faculty Advanced Practice Provider Organization: Children's National Hospital

Address: 111 Michigan Ave, NW City: Washington State: DC Zipcode: 20010

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2. Daily Supervisor

Name: Paige McDonald Degrees: EdD, MA Title: Vice Chair Clinical Research and Leadership Department Organization: George Washington University

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Office Phone:	(202) 994-9124
Email Address:	paigem@gwu.edu

3. Project Information

Project Title	reparing the Adult Community-Based Palliative Care (CBPC) Provider to Care for the Pediatric Patient: The PANDA Prep Curriculum Pilot Study

Upload up to three faculty publications (within the last three years).
Nursing Forum - 2024 - McDonald - Increasing Access to Care Designing a Blended Curriculum to Educate Adult Hospice Nurses (1).pdf
2023-McDonald-identifying facilitators& barriers -scoping lit review COVID 19.pdf
Weaver et al_State of the Service Pediatric Palliative and Hospice Community-Based Service Coverage in the United States_PMED_2023.pdf

Research Focus (Please select all that apply):

_____

_____ Health Disparities, Medical Education Pediatrics Public Health

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ⊗ T3: Translation to Practice ◯ T4: Translation to Population Health
Project goals and measurable objectives (e.g. number of patient records, assays completed):	We have designed and piloted a new blended curriculum to train clinicians with experience in adult palliative care to care for the pediatric patient. In this project, we will prepare, analyze, and disseminate pilot data from 50 participants with the goal of securing future funding for scaling the project.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	Our pilot research project includes a quasi experimental study to determine the efficacy and feasibility of the blended curriculum for adult hospice nurses on pediatric hospice and palliative care to increase knowledge acquisition, confidence, and competence in caring for the pediatric patient and family. Data includes pre/post assessment of knowledge, confidence, and competence as well as participation satisfaction data regarding the structure, timing, and content of the curriculum for consideration in future scaling of the project. This project will yield a research report for publication in a peer-reviewed journal and data and results to support future funding to scale the innovation.
Describe the student's role in the project:	The student will assist with data preparation and analysis, including analysis of both quantitative and qualitative data. Additionally, the student will conduct literature searches to support publication and grant preparation. The student will have a sufficient role to constitute authorship on manuscripts prepared for publication.
Describe the mentor's role in the project:	The mentors will provide guidance in data preparation and analysis. The mentorship team (2 faculty members) will also engage in analysis and compilation of results. The mentorship team will also guide the student in the conduct of literature reviews and in the process of grant preparation.

Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	One member of the mentorship is faculty in the PhD in Translational Health Sciences program. She has chaired or is chairing 10 dissertations with 4 successfully defending their dissertations. She has published with 3 of these students, with publication either in preparation or under review with 3 others. She has also participated in 4 dissertation committees, three of which were successfully defended and one is scheduled for defense in spring. Students have included clinicians from multiple health professions. One member of the mentorship is faculty for SMHS providing clinical oversight and training for electives with the Pediatric Palliative Care team @ Children's National Hospital for numerous years.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ◯ No (Pending) ⊗ No (Not Required)
Please Specify why it is not required:	Per the CNH IRB, this education research study is not deemed human subjects research so is exempt from IRB review.

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-29-2024 1:35pm.

1. Faculty Sponsor

Name: Kelvin Fong Degrees: ScD Title: Assistant Professor Organization: GWSPH

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2. Daily Supervisor

Name: Kelvin Fong Degrees: ScD Title: Assistant Professor Organization: GWSPH

Address: 950 New Hampshire Ave City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 994-4404
Email Address:	kelvin.fong@gwu.edu

3. Project Information

Project Title	Understanding how Environmental Exposures Contribute to Pediatric Asthma

Upload up to three faculty publications (within the last three years).
nihms-2025626.pdf
peds_2021055570.pdf
fine_particulate_air_pollution_and_birthweight_.2.pdf

Research Focus (Please select all that apply):

_____

_____ Health Disparities Pediatrics Public Health, Pulmonology

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	The overall goal of this project is to understand how environmental exposures such as air pollution (e.g., traffic-related air pollutant nitrogen dioxide (NO2)) affect pediatric asthma (PA) risk. Working with patient records from the Children's National Hospital Asthma Registry (IMPACT DC) and high-resolution satellite air pollution datasets, this project investigates the effects of air pollutant levels on PA incidence. The overall project aims to understand 1) how short-term NO2 exposure affects risk for PA emergency department visits, 2) how short-term NO2 exposure affects risk for PA hospitalization, and 3) sociodemographic and spatial disparities in how short-term NO2 exposures affect risk for PA emergency department visits. This is an opportunity to work with two unique and high-resolution datasets on pediatric asthma and urban air pollution. For the summer research project, the medical student will work with environmental exposure experts at GW to link NO2 data to ~25,000 individual hospital records (2 weeks). Then, with training from the supervisor, the student will apply epidemiologic methods to estimate how short-term NO2 exposures affect PA risk (3 weeks). Finally, the student will summarize their findings with data visualizations such as graphs and maps (3 weeks).

Overall design of the research project: Please describe the time frame and breakdown of activities.

Selection criteria include:

The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research

Washington, D.C., remains among the highest among all states and territories in asthma incidence. Prevalence is shaped by sociodemographic, geographic, racial, and ethnic characteristics, including neighborhood-specific social risk factors. 16% of Black children in D.C. have asthma compared to 3.3% of non-Hispanic, White children. A growing body of evidence indicates that environmental factors such as NO2 exposures at a young age may increase the risk of developing asthma in early or middle childhood. However, to date, generating actionable recommendations for policy and health care practitioners has been limited by the spatial and temporal resolution of data related to both urban air pollution and pediatric asthma incidence. Our cross-disciplinary collaboration between clinicians, public health researchers, and environmental health scientists aims to deliver results that can further scientific understanding and contribute to advances in practice. Our study investigates how environmental exposures affect pediatric asthma (PA) risk. We will start by analyzing the relationships between short-term NO2 exposure and PA. We will take an environmental justice approach by investigating incidence disparities, including accounting for social determinants of health (SDOH) at multiple scales (e.g., individual-level vs area-level).
This study will build new methodologies to pair high-resolution satellite remote sensing data with a unique pediatric asthma database to explore the health effects of short-term air pollution exposure. All data in this study will be secondary analysis of existing data, from the IMPACT DC Asthma Registry, NO2 data from satellite remote sensing observations and publicly available data such as the Social Vulnerability Index and the Child Opportunity Index (both are validated composite measures that will be considered as area-level social determinants of health).
Pediatric asthma morbidity data (ED visits & hospitalizations) will come from the IMPACT DC Asthma Program, which tracks DC's PA healthcare utilization trends in near real-time. We are collaborating with IMPACT DC to access these datasets. Upon IRB approval, we will work with their database coordinators to furnish the data according to the privacy standards. IMPACT DC captures health records from multiple sites, including an academic tertiary care children's hospital with >100,000 annual visits and an affiliated community emergency department with >30,000 annual visits. Residential address data will form the basis for determining air pollution exposure prior to patients' healthcare utilization. The analysis will additionally adjust for socioeconomic status using variables such as insurance coverage (e.g., Medicaid). We are actively working with the IMPACT DC registry team and are seeking IRB approval to access their data.
By summer 2025, we aim to be in the data analysis phase of the project. Activities in this phase will include data cleaning, analysis, visualizations, writing, and contextualizing findings with the current state-of-knowledge. A high-resolution, validated, and rich environmental health database will be our first output from combining NO2 observations from satellite remote sensing and PA

	morbidity health records. The medical student will be joining a team to generate results for peer-reviewed publications and conference presentations.
Describe the student's role in the project:	The medical student will jump into an exciting ongoing project and provide extra capacity and knowledge to the research. They will get to experience collaborative academic research as a member of a study team and will be welcomed to learn and join in on all study team activities. Their specific role may include data cleaning, statistical analysis, visualizations (e.g., mapping), and manuscript writing. They will learn to conduct research with patient medical records, epidemiology, and exposure assessment, and receive career mentoring from health researchers and practitioners. The ideal candidate will have a keen interest in environmental health. Skills in statistics and programming will be advantageous. Ability to work collaboratively on an interdisciplinary team will be necessary. There is a possibility to build upon this research opportunity and expand into other topics at the nexus of climate change and health beyond the summer project.
Describe the mentor's role in the project:	The mentors (1 environmental epidemiologist, 1 pediatric hospitalist) will onboard, advise, and oversee the student in their work on this project. This will include necessary training by the mentors or facilitating training of the student by GWU study team members (e.g., post-docs, graduate students in public health).
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Kelvin Fong is an Assistant Professor in Environmental and Occupational Health at George Washington University School of Public Health. He leads a research group specializing in environmental health disparities, which includes innovative exposure assessment and epidemiologic modeling. His research is externally supported by the NIH and Robert Wood Johnson Foundation. https://kelvinfong.ca/ Dr. Anand Gourishankar pediatric hospitalist at Children's National Hospital and a professor at George Washington University. He has trained pediatric subspecialties fellows and residents. He is currently mentoring the following: Children's National "REACH" pediatric research residents, and GWU undergraduate in biostatistics x1. He also advises GWU MSII x1. He has ongoing projects with asthma, gun violence, survey project, ICU asthma admission, and Long COVID. He had a summer research project completed with one GWU student successfully (case-control study of ESBL UTI).
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-21-2024 1:46pm.

1. Faculty Sponsor

Name: Leigh A. Frame Degrees: PhD, International Health: Human Nutrition; MHS, Molecular Microbiology and Immunology Title: Director, Integrative Med.; Assoc. Dir., Resiliency & Wellbeing Center Organization: GW SMHS Clinical Research and Leadership

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2. Daily Supervisor

Name: Leigh A. Frame Degrees: PhD, International Health: Human Nutrition; MHS, Molecular Microbiology and Immunology Title: Director, Integrative Med.; Assoc. Dir., Resiliency & Wellbeing Center Organization: GW SMHS Clinical Research and Leadership

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3. Project Information

Project Title	C15:0 Fatty Acid Status: A Retrospective Chart Review

Upload up to three faculty publications (within the last three years).
2023 Clarifying Heterogeneity in VitD Response in T2DM - narrative review.pdf
2024 Microbiota-Gut-Brain-Immune & Neuroinflam Review.pdf
2024 Supra-Physio Plant Antiox Ready for Clinic - Scoping Review.pdf

Research Focus (Please select all that apply):

Cancer, Cardiology, Dermatology

Endocrinology, Gastroenterology, General Internal Medicine Geriatrics, Health Disparities, Infectious Disease, Kidney Neurology Pharmacology, Psychiatry, Public Health, Pulmonology, Surgery

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ⊗ T2: Translation to Patients ◯ T3: Translation to Practice ◯ T4: Translation to Population Health
Project goals and measurable objectives (e.g. number of patient records, assays completed):	A decade of Center for Integrative Medicine charts
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	C15:0 fatty acid (a.k.a. pentadecanoic acid) is an odd-chain saturated fatty acid and nutrient that has been associated with positive health outcomes like balanced immunity, healthy metabolism, and health of the cardiovascular system, red blood cells, and the liver.1 A form of C15:0 (pentadecanoylcarnitine) has also been shown to act on the endocannabinoid system and, therefore, may show many of the benefits of cannabis products on well-being without the risk of intoxication.2 It is the first essential fatty acid to be discovered in about a century.3 An essential fatty acid is one that our bodies cannot make enough of on their own, so we must get it from the diet and/or supplements. However, the dietary sources of C15:0-full fat dairy, fish skin/heads, some plant sources like oils (e.g. rice bran, cottonseed, soybean, safflower, coconut), and, to a lesser extent, eggs-are currently losing favor, meaning C15:0 deficiency may become increasingly common. There is also the potential contribution of the gut microbiome (microbes that live in the digestive tract) to C15:0 production in the gut during metabolism of prebiotic fiber and the production of the short chain fatty acid propionate, which has yet to be shown to significantly contribute to C15:0 status in humans but has strong mechanistic plausability.4-7 Since investigating the science behind C15:0, it has come to our attention that testing for C15:0 is included in labs routinely run at the GW Center for Integrative Medicine. To test the relationship between C15:0 status and health/disease outcomes, we propose a retrospective chart review of these extant data. This is a proof-of-concept, retrospective chart review that may form the basis for future studies and grant funding related to C15:0.
Describe the student's role in the project:	Now: Chart review & data collection, Future: Data analysis/publication, They will have access to the research team for assistance and mentoring throughout the process.

Describe the mentor's role in the project:	Dr. Frame is the PI for this research study. She has worked with many students on this and similar projects in the past. She has a supportive approach that allows the students to get their hands messy and even struggle through the process to some extent, as this leads to the most robust learning. Through her years of experience, she has developed an approach to conducting such clinical research with relative ease even with novice researchers.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Frame is currently working with a number of medical students on various projects including this study, an intervention related to gut microbiome patient education and behavior change, several comprehensive/scoping reviews, and one outcome research project. Learn more on her lab website: https://framecorrlab.smhs.gwu.edu/
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR245602
IRB Date:	03/14/2024

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-07-2024 8:34am.

1. Faculty Sponsor

Name: Leigh A. Frame Degrees: PhD, MHS Title: Director, Integrative Med.; Co-founder, Resiliency & Well-being Center Organization: GW SMHS

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2. Daily Supervisor

Name: Patrick G. Corr Degrees: EdD, MEd, AFAMEE Title: Vice Program Director, Integrative Medicine; Research Associate, Resiliency & Well-being Center Organization: GW SMHS

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3. Project Information

Project Title	For the literature review portion of the Faculty Research Proposal on the development of a bundled service model for chronic disease management, here's a draft based on the action plan content and existing research themes: Literature Review and Best Practices for Bundled Integrative Care Models in Chronic Disease Management

Upload up to three faculty publications (within the last three years).
2024 Well-being of Women in Healthcare - Comprehensive Review.pdf
2024 Supra-Physio Plant Antiox Ready for Clinic - Scoping Review.pdf
2020 Nutrition and the Gut Microbiome - Comprehensive Review.pdf

Research Focus (Please select all that apply):

_____

General Internal Medicine Geriatrics, Health Disparities, Infectious Disease _____ Public Health

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ⊗ T3: Translation to Practice ◯ T4: Translation to Population Health
Project goals and measurable objectives (e.g. number of patient records, assays completed):	Goals: Identify Evidence-Based Practices: Conduct a literature review on integrative, bundled care models for chronic disease management, focusing on effective strategies for Long COVID. Evaluate Bundled Care Effectiveness: Analyze the impact of bundled care approaches that incorporate support groups, acupuncture, physical therapy, mind-body practices, and nutrition on patient outcomes. Inform Model Design: Use the review to develop evidence-based recommendations for a bundled care model tailored to Long COVID. Objectives: Literature Search: Identify 100-150 articles on bundled integrative care models through searches in PubMed, CINAHL, and Embase. Data Extraction and Analysis: Review and categorize data on service types, frequency, patient outcomes, and cost-effectiveness from at least 50 high-quality studies. Outcome Synthesis: Extract findings on symptom improvement, satisfaction, and cost outcomes from bundled models, focusing on studies with significant results. Best Practices Summary: Identify and summarize 5-10 critical success factors in bundled care models for Long COVID. Literature Review Report: Compile a 15-20 page report, including an executive summary, evidence gaps, and actionable recommendations.

Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This literature review will be conducted over a three-month period, divided into structured phases to achieve project objectives efficiently. Phase 1: Search and Screening (Weeks 1-3) - A comprehensive search of medical databases (PubMed, CINAHL, Embase) will identify studies on bundled integrative care models, focusing on chronic disease and Long COVID management. Selection criteria will prioritize evidence-based, peer-reviewed studies evaluating bundled services like support groups, acupuncture, physical therapy, mind-body practices, and nutrition. Phase 2: Data Extraction and Analysis (Weeks 4-8) - Key data, including service types, patient outcomes, cost-effectiveness, and satisfaction, will be extracted and categorized from approximately 50 high-quality studies. Analysis will focus on statistically significant results to synthesize best practices. Phase 3: Synthesis and Reporting (Weeks 9-12) - Findings will be compiled into a detailed report summarizing best practices, outcome comparisons, and actionable recommendations for bundled care models. This report will address gaps in current knowledge and offer insights for developing integrative care models tailored to Long COVID, contributing original research to the field of chronic disease management and integrative medicine. This structured design ensures a comprehensive, impactful report relevant to both scholars and clinical practitioners.
Describe the student's role in the project:	Medical students will play a central role in conducting the literature review, gaining valuable research experience in integrative medicine and chronic disease management. Their responsibilities will include: Abstract Screening and Full-Text Review: Students will conduct initial screening of abstracts from selected studies to determine relevance to bundled care models for chronic conditions, focusing on Long COVID. This will be followed by in-depth review of full texts to ensure studies meet inclusion criteria. Data Collection: For each selected study, students will extract key data on service types, patient outcomes, cost-effectiveness, and satisfaction metrics. Data will be organized in a structured database to facilitate analysis. Data Analysis and Synthesis (Optional): Students interested in deeper involvement may participate in data analysis, helping synthesize findings and identify best practices in bundled care models. Manuscript Writing and Preparation (Optional): Students with an interest in academic writing may contribute to drafting sections of the manuscript, including methods, results, and discussion, under faculty guidance. This project offers medical students hands-on experience in systematic review processes, critical appraisal, and academic writing, providing them with foundational skills in clinical research.

Describe the mentor's role in the project:	Drs. Frame and Corr have worked with many students on this and similar projects in the past. They have a supportive approach that allows the students to get their hands messy and even struggle through the process to some extent, leading to the most robust learning. Through years of experience, they have developed an approach to conducting such research with relative ease even with novice researchers.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Frame and Corr are currently working with several medical students on various projects including interventions related to the gut microbiome / patient education and behavior change, several comprehensive/scoping reviews, and outcome research. Learn more on our lab website: https://framecorrlab.smhs.gwu.edu/
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ◯ No (Pending) ⊗ No (Not Required)
Please Specify why it is not required:	Literature review

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-26-2024 9:17am.

1. Faculty Sponsor

Name: Christopher Gable Degrees: DO Title: Emergency Pediatrician Organization: Children's National Hospital

Address: 111 MIchigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-5203
Email Address:	cgable@childrensnational.org

2. Daily Supervisor

Name: Joelle Simpson Degrees: MD Title: Division Chief Emergency Medicine Organization: Children's National Hospital

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-5203
Email Address:	JnSimpso@childrensnational.org

3. Project Information

Project Title	The Validity of using EMS Reports in Assessing Risk Factors for Post-Traumatic Stress Disorder Arriving to the Emergency Department: A Pilot Study

Upload up to three faculty publications (within the last three years).

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_____
_____

Research Focus (Please select all that apply):

_____

Emergency Medicine _____ Pediatrics _____

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ⊗ T3: Translation to Practice ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	The purpose of this pilot study is to explore the validity of using emergency medical services (EMS) report in assessing individuals at elevated risk of post-traumatic stress disorder (PTSD) using a tool called PsySTART. The PsySTART triage system is a relatively brief, objective, evidence-based program that relies on reports from non-mental health professionals about the situational risk factors associated with a discrete trauma event, and the known experiences of a patient during the trauma event, to stratify and predict the risk of these patients developing future PTSD. The goal of the PsySTART program is to link high-risk individuals to timely, acute interventions beginning much earlier in the injury cycle. Although validity data for PsySTART has been reported for adult and pediatric disaster patients, these have relied on patient and family reports. It is unclear if EMS personnel are reliable historians for this tool. This study will assess the overall proportion of patients with elevated risk for PTSD according to EMS-based PsySTART reports as compared to parent reported risk factors on PsySTART.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The Primary objective will be to compare EMS-reported overall risk of PTSD on PsyStart to parent-reported risk of PTSD on Psystart.100 patients 7-17 years of age who meet criteria for a leveled trauma (Trauma STAT or Trauma STAT Attending) who are brought directly to the Children's National Hospital ED and have at least one parent/guradian present with them will be eligible for this study. Both the EMS professional and the parent/guardian will be consented for study and asked to complete the PsyStart form. Additional demographic and clinical data will also be collected. Study staff will provide appropriate mental health resources, as needed.
Describe the student's role in the project:	Student's responsibility will be managing data entry and assisting with data analysis and coordinating with study team to address any study related issues. Since this is a pilot project, student also has an opportunity to contribute to manuscript preparation and assist in crafting the protocol for the next phase of the study
Describe the mentor's role in the project:	Mentor is the Primary Investigator and will provide direct oversight to the student throughout the project. Student will also have the opportunity to shadow PI and learn about emergency medicine and trauma processes as they relate to the study topic. Mentor will also provide guidance on the research process, data analysis, and manuscript publication. Student will also be invited to attend presentations on cutting-edge research from the Children's National ED research team

Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	The Children's National ED Research Team has mentored numerous Gill fellows in the past. Our ED psych research team has prioritized student education and training in our research activities. Student-led publications are currently being prepared for publication.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-01-2024 9:20pm.

1. Faculty Sponsor

Name: Ashraf Harahsheh Degrees: MD, FAAP, FACC Title: Professor of Pediatrics Organization: Children's National Hospital

Address: 111 Michigan Ave, NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2020
Email Address:	aharahsh@childrensnational.org

2. Daily Supervisor

Name: Ashraf Harahsheh Degrees: MD, FAAP, FACC Title: Professor of Pediatrics Organization: Children's National Hospital

Address: 111 Michigan Ave, NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2020
Email Address:	aharahsh@childrensnational.org

3. Project Information

Project Title	Kawasaki disease Registry

Upload up to three faculty publications (within the last three years).
KD in time of COVID and MIS-C.pdf
MIS-C Decision-making regarding a new condition in the absence of clinical trial data.pdf
Kawarabi establishment manuscript.pdf

Research Focus (Please select all that apply):

Cardiology

_____ _____ Pediatrics _____

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
⊗ T2: Translation to Patients
◯ T3: Translation to Practice
◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	We are part of the international Kawasaki disease registry. The trainee is to help establish a local center registry. We have 40-60 new patients per year. We are hoping to capture all patient from 2000 to 2019.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The student will help establish local registry. The student will also be invited to participate in abstract and manuscript write up of the international Kawasaki disease registry.
Describe the student's role in the project:	Extract data from EMR, submit data in REDCAP, deidentify reports and submit to Data coordinating center. The trainee will be invited to develop research ideas to develop abstracts and manuscripts. We have >4000 patients enrolled in the International Kawasaki disease registry.
Describe the mentor's role in the project:	Supervise all data entery, answer ay clinical questions related to patients entry. The student will work with other research coordinators
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have hosted 4 international research fellows in my clinic and as a menotor for their manuscripts. I have also supervised residnets and fellows at Children's writing manuscripts.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	MOD00006557 -Children's National
IRB Date:	7/1/2021

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-02-2024 1:44pm.

1. Faculty Sponsor

Name: Dalia Haydar Degrees: PharmD, PhD Title: Assistant Professor Organization: Children's National Hospital

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-1035
Email Address:	dhaydar@childrensnational.org

2. Daily Supervisor

Name: Zhongzhen Yi Degrees: PhD Title: Staff scientist Organization: CNH

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-1035
Email Address:	dhaydar@childrensnational.org

3. Project Information

Project Title	CAR T Cell Immunotherapy

Upload up to three faculty publications (within the last three years).

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_____

Research Focus (Please select all that apply):

Cancer

_____ _____ Neurosurgery, Pediatrics _____

Translational Level:

⊗ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	The D. Haydar Laboratory works on designing effective, long-lasting, and safe cellular immunotherapies for childhood brain cancer. CAR T cell therapy is an innovative technology based on adoptive tran
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	Innovative Immunotherapy Development: Investigates CAR T cell failure in pediatric brain tumors to create safer, more effective therapies using advanced technologies. Systematic Research Approach: A two-year plan focusing on CAR optimization, efficacy testing, and bioinformatics analysis to achieve project goals. High Impact for Cancer Research: Expected findings will offer valuable insights for the scientific community on overcoming barriers in CAR T cell therapy for childhood cancers.
Describe the student's role in the project:	design and conduct experiments
Describe the mentor's role in the project:	meet weekly and supervise training and project managment
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	The lab includes graduate students, MD postdocs, PhD postdocs, and staff scientists, fostering a collaborative and interdisciplinary research environment.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ◯ No (Pending) ⊗ No (Not Required)
Please Specify why it is not required:	_____

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-21-2024 2:28pm.

1. Faculty Sponsor

Name: Linda Herbert Degrees: PhD Title: Associate Professor Organization: Children's National Hospital

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4552
Email Address:	lherbert@childrensnational.org

2. Daily Supervisor

Name: Sabrina Sigel Degrees: BA Title: Clinical Research Coordinator Organization: Children's National Hospital

Address: 111 Michigan Ave, NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-5428
Email Address:	ssigel@childrensnational.org

3. Project Information

Project Title	Evaluation of the Food Allergy Mastery Program

Upload up to three faculty publications (within the last three years).
Knibb Herbert (2024) GAPS Global survey.pdf
Ho (2024) K23 FA SCARED.pdf
Herbert (in press) FAM Program.pdf

Research Focus (Please select all that apply):

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_____ Health Disparities Pediatrics Psychiatry, Public Health

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
⊗ T2: Translation to Patients
◯ T3: Translation to Practice
◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	This is a clinical trial of a behavioral intervention for youth with food allergy. Project aims include: Aim 1. Evaluate the Food Allergy Mastery (FAM) Program's impact on early adolescents' and caregivers' food allergy knowledge and skills. Hypothesis: Relative to usual care, early adolescents and caregivers in the intervention condition will demonstrate 1) Increased food allergy knowledge and 2) Improved ability to use epinephrine auto-injectors and identify allergens in foods at 6mos, 12mos, and 18mos post-randomization. Aim 2. Evaluate the FAM Program's impact on early adolescents' food allergy self-management behavior, food allergy-related psychosocial functioning, and healthcare utilization. Hypothesis: Relative to usual care, early adolescents in the intervention condition will be more likely to have epinephrine auto-injectors present when eating and verify food safety before eating, report better food allergy-related quality of life and less food allergy impact, and less frequently utilize urgent/emergency care services at 6mos, 12mos, and 18mos post-randomization. We have thus far enrolled >75 families, with a goal to recruit over 200 families.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	We are utilizing a parallel two-group design to evaluate the impact of the intervention among a sample of 240 early adolescents and 240 primary caregivers (total = 480 participants). Dyads will be randomly assigned to either receive the 6-session FAM Program or usual care using a 1:1 permuted block randomization design with group stratified according to race/ethnicity (non-Hispanic White, non-Hispanic Black, Hispanic, multiple/other race non-Hispanic). Dyads will complete a baseline assessment prior to randomization and then follow-up assessments at 6-months, 12-months, and 18-months post-randomization. Data collection includes medical chart review, interviews with families over Zoom about their ability to read food labels and use epinphrine auto-injectors, and REDCap-based questionnaires.
Describe the student's role in the project:	The student will be involved with several aspects of this team: 1) recruitment and data collection for the overarching project, 2) rating food allergy management interviews, and 3) data analysis from a prior food allergy dataset pertaining to youth with food allergies. The student will also participate in weekly research team meetings.
Describe the mentor's role in the project:	The mentor is the PI, who oversees all aspects of the project and leads weekly team meetings.

Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	The mentor was worked with 6 REACH and Gill Fellows since joining the CNH faculty in 2013. These mentored relationships have led to poster presentations and peer-reviewed publications. Currently there is one pre-med student volunteering in the mentor's research lab.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	STUDY00000264
IRB Date:	07/12/2022

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-26-2024 4:58pm.

1. Faculty Sponsor

Name: Kristen Johnson Degrees: MD, MS Title: Hospitalist Organization: Children's National Hospital

Address: 111 Michigan Ave City: Washington State: DC Zipcode: 20010

Office Phone:	(571) 235-6524
Email Address:	kejohnson@childrensnational.org

2. Daily Supervisor

Name: Kristen Johnson Degrees: MD, MS Title: Hospitalist Organization: Children's National Hospital

Address: 111 Michigan Ave City: Washington State: DC Zipcode: 22030

Office Phone:	(571) 235-6524
Email Address:	kejohnson@childrensnational.org

3. Project Information

Project Title	Rates of Vitamin K Deficiency Bleeding in the U.S. (2000-2024): A Retrospective Cohort Study of the Pediatric Health Information System (PHIS) Database

Upload up to three faculty publications (within the last three years).
IJOP-N6-Final-09Johnson(2024-04-03-1807).pdf

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Research Focus (Please select all that apply):

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Emergency Medicine Health Disparities, Medical Education Pediatrics _____

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Goals are to complete a detailed literature review on the epidemiology of Vitamin K Deficiency Bleeding in the U.S., as well as to explore literature on factors involved in parental refusal of Vitamin K administration at birth. In addition, student is welcome to assist in analysis and interpretation of dataset of rates of Vitamin K Deficiency Bleeding from the Pediatric Health Information System (PHIS) database.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	Retrospective cohort study of the Pediatric Health Information System (PHIS) database. Objectives are to describe the number and proportion of neonates and infants diagnosed with VKDB over time using hospital discharge data from 01/01/2000 to 09/01/2024.
Describe the student's role in the project:	Background literature review; student is also welcome to assist in data analysis and interpretation if desired; student will contribute to introduction and discussion section of final manuscript.
Describe the mentor's role in the project:	Mentor is responsible for data acquisition, data analysis and interpretation. Mentor will also provide formal teaching on research design and analysis methods as well as guidance on the process of writing for scholarly publication.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	As a first-year faculty, this will be my first experience working with a medical student on my research team. However, I have mentored Bioengineering students at University of Maryland for the past two years on research projects, and I currently serve as a REACH mentor for a clinical research project with a Children's National pediatric resident.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-26-2024 12:34pm.

1. Faculty Sponsor

Name: Brandon Kohrt Degrees: MD, PhD Title: Charles and Sonia Akman Professor in Global Psychiatry, Professor of Psychiatry and Behavioral Health, Global Health and Anthropology, and Director, Center for Global Mental Health Equity, Vice Chair for Research, Department of Psychiatry and Behavioral Health Organization: Center for Global Mental Health Equity, GW

Address: 2120 L St NW, Suite 600 City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 741-2888
Email Address:	bkohrt@gwu.edu

2. Daily Supervisor

Name: Ruta Rangel Degrees: MSc, MPH Title: Program Manager, EQUIP Organization: Center for Global Mental Health Equity, GW

Address: 2120 L St NW, Suite 600 City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 741-2888
Email Address:	rbraz@gwu.edu

3. Project Information

Project Title	Ensuring Quality and Psychosocial Mental Health Care (EQUIP)

Upload up to three faculty publications (within the last three years).
Kohrt et al.pdf
Abdelrhman Elnasseh et al.pdf
Alexandra L. Rose et al.pdf

Research Focus (Please select all that apply):

_____

_____ _____ _____ Psychiatry

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	This project proposes supporting the development of a quality assessment tool for mental health services by summarizing qualitative feedback from formative research, including Theory of Change workshops, key informant interviews, and discussions with people with lived experience (PWLE), mental health care providers, and policymakers. This project addresses gaps in the delivery of evidence-based mental health services in low-resource settings by co-creating an assessment tool to evaluate mental health service quality, focusing on feedback from those directly impacted. The student will be responsible for analyzing and synthesizing qualitative feedback from key informant interviews, Theory of Change workshops, and other discussion data, including PWLE, healthcare providers, and policymakers. They will summarize key themes and identify actionable insights for use in the tool development process. Deliverables will include a comprehensive report detailing summarized feedback, thematic analysis of priority areas for quality improvement, and integration of qualitative findings into measurable quality indicators. The student's work will directly inform the co-creation of the quality assessment tool, aiding in the establishment of relevant indicators, such as provider communication skills, access to psychological services, and patient education materials. The end product will contribute to capacity building and support the larger-scale pilot and multi-site evaluation efforts

Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	Time Frame and Breakdown of Activities (April - July 2025): This project aims to co-create a quality assessment tool for mental health services in low-resource settings. Informed by formative qualitative research-including Theory of Change workshops, key informant interviews, and discussions with people with lived experience (PWLE), mental health providers, and policymakers-the project seeks to develop a tool that captures essential quality indicators directly impacting service users. April 2025: Project Planning and Data Review Review previous qualitative data and establish detailed project objectives and timeline. Conduct planning meetings to refine the scope and ensure alignment with stakeholder priorities. May 2025: Qualitative Data Analysis and Thematic Development Analyze qualitative data from prior workshops and interviews, identifying key themes relevant to quality, such as communication, accessibility, and service availability. Begin drafting initial quality indicators to include in the assessment tool. June 2025: Drafting and Validation of the Assessment Tool Refine and validate quality indicators, ensuring relevance and practicality for PWLE, mental health providers and policymakers July 2025: Finalization Prepare the findings for publication Selection Criteria Justification: Achievability of Objectives: The project timeline and structured activities ensure that objectives are achievable, with time allocated to refine and validate the tool. Scholarly Impact and Interest: The project's output will be of significant interest to scholars and practitioners seeking to assess mental health service quality in low-resource settings, offering a culturally sensitive, practical tool, resulting in a publication. Original Research Contribution: This co-creation approach and direct engagement with stakeholders offer an innovative contribution to mental health quality assessment research, addressing critical gaps and building capacity for quality improvement in diverse settings.

Describe the student's role in the project:	The student's role is essential for developing a quality assessment tool for mental health services, with opportunities to contribute to publishable findings. They will synthesize and analyze qualitative data from Theory of Change workshops, key informant interviews, and discussions with people with lived experience, mental health care providers, and policymakers. This analysis will identify key themes related to service quality, such as communication, accessibility, and provider behavior. The student will compile findings into a summary report, providing insights for the co-creation of the tool. They will draft initial quality indicators and incorporate adjustments as needed. This role offers the student a chance to publish project findings, detailing the tool's development process. Through these responsibilities, the student will gain valuable experience in qualitative research, thematic analysis, and tool development, directly contributing to project goals and advancing knowledge on culturally relevant quality assessment tools in low-resource settings.
Describe the mentor's role in the project:	The mentor will play a critical role in guiding the student throughout the project, ensuring they develop the necessary skills in qualitative research, thematic analysis, and tool development for mental health services. The mentor will oversee the student's analysis of data from Theory of Change workshops, key informant interviews, and stakeholder discussions, providing support in identifying key themes relevant to mental health service quality. They will also offer guidance in drafting the quality indicators, helping the student interpret findings and refine these indicators to ensure they are accurate, culturally relevant, and aligned with project objectives. During the tool's co-creation, the mentor will provide insights on effective stakeholder engagement and the nuances of culturally sensitive research. Additionally, the mentor will support the student in preparing the findings for publication, offering feedback on structuring the report, interpreting results, and framing insights to maximize scholarly impact. This mentorship will enable the student to make a meaningful contribution to quality improvement in mental health services.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Kohrt has mentored numerous medical students, including a first authored publication by a medical student (Elnasseh 2024, see above).
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR245777

IRB Date: _____

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-26-2024 12:57pm.

1. Faculty Sponsor

Name: Brandon Kohrt Degrees: MD, PhD Title: Director Organization: Center for Global Mental Health Equity

Address: 2120 L Street NW, Suite 600 City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 741-2888
Email Address:	bkohrt@gwu.edu

2. Daily Supervisor

Name: Chynere Best Degrees: PhD Title: Research Scientist Organization: Center for Global Mental Health Equity

Address: 2120 L Street NW, Suite 600 City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 741-2888
Email Address:	cbest@gwu.edu

3. Project Information

Project Title	Restoring mental health after COVID-19 through community-based psychological services in NYC (RECOUP-NY)

Upload up to three faculty publications (within the last three years).
kohrt_2021_oi_210903_1635279050.98854-compressed.pdf
1-s2.0-S0277953620305979-main.pdf
Kohrt 2023_Community initiated care.pdf

Research Focus (Please select all that apply):

_____

_____ Health Disparities _____ Psychiatry, Public Health

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	The project aims to evaluate the effectiveness of Problem Management Plus (PM+) as a mental health intervention in New York. Staff at 39 community-based organizations (CBO) in NYC will be trained in PM+ and data will be collected on their outcomes. The staff trained should have no formal mental health training. Data will also be collected from 30 eligible participants at each organization for a total of 1,170 participants. Half of the participants will be expected to receive PM+ at participating CBOs. The primary outcome is the levels of perceived distress as reported in the PSYCHLOPS. Secondary outcomes include PHQ-9 and GAD-7 results.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	RECOUP-NY is an NIH R01 cluster randomized controlled trial. The trial began in 2021 and is expected to wrap up in 2026. Participants in the study include staff members and clients at participating community organizations. The study accommodates participants who speak English, Spanish, Mandarin, Cantonese and French. CBOs participating in RECOUP-NY have been randomly assigned to the control arm or the intervention arm. In the control arm, clients from the organization are recruited and screened to participate in the study. Eligible participants complete 3 interviews over the course of 20 weeks (Baseline, 10 week follow up and 20 week follow up). Research assistants conduct these interviews through various media (phone, Zoom, in person). Participants are compensated with gift cards for each completed interview. Once the target number of participants has been reached and completed their 10 week follow up, staff at the CBO participate in PM+ training. In the intervention arm, CBO staff participate in PM+ training. The training is hosted online for groups of up to 15 people. The training is offered in 6 week and 12 week formats. Upon completion of the training, clients from the organization are recruited and screened to participate in the study. Eligible participants are expected to complete 5 sessions of PM+ in addition to 3 interviews over the course of 20 weeks (Baseline, 10 week follow up and 20 week follow up). Research assistants conduct these interviews through various media (phone, Zoom, in person). Participants are compensated with gift cards for each completed interview. PM+ trainings are hosted 2-3 times per year. Participant recruitment for both arms is slated to end as of August 2025. Participant data collection is expected to end in January 2026.

Describe the student's role in the project:	The student would assist with the execution of PM+ training and supervision throughout summer 2025. During PM+ training, the student would serve as a technical facilitator, assisting with sending training related materials to trainees, providing technical support during training sessions, reviewing and rating role plays and providing follow up support. During supervision, the student will assist with tracking the progress of clients and organizations in delivering PM+ and meeting project objectives. The student will also conduct qualitative interviews, transcribe interviews and assist with coding qualitative data. Bilingual students will have the opportunity to conduct interviews in the other study languages (see above) and transcribe and translate these interviews.
Describe the mentor's role in the project:	The faculty sponsor is the Principal Investigator for the project. He oversees the overall progress of the project. The daily supervisor is the research coordinator for the project who oversees the day to day operations including communication with the various CBOs, distributing the participant workload among research assistants, coordinating site visits and team meetings, responding to and documenting reportable events, providing guidance on student research related to the project and any other duties as they arise within the project.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Previous medical students who worked on the RECOUP-NY project assisted with the creation of a data dictionary for all tools being used in the project. The student also assisted in background interviews with CBOs. She was also able to do some preliminary analysis on qualitative data provided by the primary outcome measure and is currently working on a scoping review of the primary outcome measure.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	#NCR224462
IRB Date:	4/21/2023

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-26-2024 1:30pm.

1. Faculty Sponsor

Name: Brandon A. Kohrt Degrees: PhD Title: Director Organization: Center for Global Mental Health Equity, George Washington University

Address: 2120 L Street NW City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 741-2888
Email Address:	bkohrt@gwu.edu

2. Daily Supervisor

Name: Wilfred Gwaikolo Degrees: MHP, MSc Title: Research Associate Organization: Center for Global Mental Health Equity, George Washington University

Address: 2120 L Street NW City: Washington State: DC Zipcode: 20037

Office Phone:	(401) 306-8393
Email Address:	wgwaikolo32@gwu.edu

3. Project Information

Project Title	Ensuring Quality in Psychological Support and Mental Health Helping Skill-Service User version (EQUIP-SU)

Upload up to three faculty publications (within the last three years).

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_____
_____

Research Focus (Please select all that apply):

_____

_____ Health Disparities _____ Psychiatry, Public Health

Translational Level:

- ⊗ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	develop a quality assessment tool that can be completed by people with lived experience of mental health conditions to rate the services they receive. The tool will be co-developed with people with lived experience and health system managers and policy makers. Successful development of a quality assessment tool will enable people using mental health services to provide feedback to managers and policy makers to improve decision making for strengthening mental health care.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	□ Conduct Theory of Change workshops (ToC) and prepare report. o ToC with PWLE in Liberia o ToC with Health Managers and policy makers o ToC with health workers □ Conduct Focus Group Discussions (FGDs), transcribe and analyze data o FGD with PWLE o FGD with health managers and policy makers o FGD with health workers □ Develop draft service users rating tool and pilot test □ Capacity building (design and conduct webinar for researchers and PWLE in Liberia)
Describe the student's role in the project:	Student will support drafting of materials, transcription, review and cleaning of focus group discussions. Drafting of initial reports, conduct literature reviews and contribute to research publications.
Describe the mentor's role in the project:	The mentor will guide the project team in the design and execution of project activities. These include the design of ToC and FGD guides, data collection activities, the development and piloting of the service users rating tool and design of capacity building activities.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Our Center regularly receives students from the medical school and school of public health for fall and summer internship. Last year we had an intern from the medical school who worked on one of our projects in New York city. She helped in designing tools on RedCAP and did a comprehensive review of tool for our study primary outcome measure.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR245777
IRB Date:	10/4/2024

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-26-2024 12:16pm.

1. Faculty Sponsor

Name: Brandon Kohrt Degrees: MD, PhD Title: Director Organization: GW Center for Global Mental Health Equity

Address: 2120 L St NW Suite 600 City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 741-2995
Email Address:	bkohrt@gwu.edu

2. Daily Supervisor

Name: Georgia Eleftheriou Degrees: PhD Title: Senior Research Associate Organization: GW Center for Global Mental Health Equity

Address: 2120 L St NW Suite 600 City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 741-2995
Email Address:	geleftheriou@gwu.edu

3. Project Information

Project Title	Stavros Niarchos Foundation Global Center for Child and Adolescent Mental Health at the Child Mind Institute (CMI): Qualitative Component in Brazil, South Africa, Greece, and Mozambique.

Upload up to three faculty publications (within the last three years).
Luitel et al_2024_BMC Psychiatry_Translation cultural adaptation and validation of PHQ and GAD for adolescents in Nepal.pdf
Wahid 2022_Child and Adolescent Mental Health_Nepal IDEA Loneliness.pdf
Vidauni et al_2021_IJQSH_Social isolation as a core feature of adolescent depression a qualitative study in Porto Alegre Brazil.pdf

Research Focus (Please select all that apply):

_____

_____ _____ Pediatrics Psychiatry, Public Health

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ◯ T3: Translation to Practice ⊗ T4: Translation to Population Health
Project goals and measurable objectives (e.g. number of patient records, assays completed):	The Center will conduct qualitative research among at least four countries that vary in geographic location, degree of health service infrastructure, language, and types of child and adolescent populations. We will facilitate focus group discussions and key informant interviews among children and adolescents, parents/caregivers, healthcare providers, teachers, youth advocates, and policy makers. Additionally, we will evaluate how both findings from our research and recommendations produced by CMI's Global Center for Child and Adolescent Mental Health may be optimally implemented within the selected countries (e.g., attitudes, feasibility and utility of national prevalence data; feasibility and utility of proposed interventions) and at large. To do so, we will address the following: 1. Adolescent perspectives on mental health, acceptability and relevance of mental health assessment tools, and preferred coping and treatment seeking behaviors, 2. Adult (e.g., parents/caregivers, healthcare providers, teachers, youth advocates) perspectives on child and adolescent mental health, acceptability and relevance of mental health assessment tools, and coping and treatment seeking behaviors, 3. Policy maker perspectives on interpretation of mental health assessment data and outcomes, 4. Co-created adolescent narratives/case studies regarding lived experience of mental illness and recovery to be used for intra-country advocacy.

Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The GW Center aims to support effective implementation and dissemination of CMI activities regarding child and adolescent mental health within the global context. Specifically, we will provide a globally diverse, regionally representative qualitative description of current perspectives regarding child and adolescent mental health conditions, coping and treatment seeking behaviors, and available services and policies. Objective 1: To document a globally diverse, regionally representative description of current perspectives regarding child and adolescent mental health conditions, acceptability and relevance of mental health assessment tools, and coping and treatment seeking behaviors via a qualitative approach ~ minimum 7 FGDs. Objective 2: To document a globally diverse, regionally representative description of current perspectives regarding policy makers' interpretation of child and adolescent mental health assessment data and outcomes via a human-centered, qualitative approach ~ Individual interviews, theory of change, and human-center design game. Objective 3: To support Objectives 1 and 2 and subsequently catalyze advocacy at the policy- making level, to co-create adolescent narratives/case studies that visualize lived experience with mental illness and recovery ~ minimum - 6 narratives. Objective 4: To provide ad hoc technical consultation for other CMI Center for Child and Adolescent Mental Health activities, such as consultation on expert rating activities, rapid appraisal of transcultural equivalence, and/or implementation of clinical validation procedures.
Describe the student's role in the project:	Student will engage in the following activities: 1. Ethics approval 2. Literature review / Scoping review 3. Focus group discussions (FGDs), 4. Key informant interviews (KIIs), and 5. Workshops per region / country
Describe the mentor's role in the project:	Guiding and supporting the student through the complex process of conducting a qualitative research project.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Multiple prior students and fellows.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-09-2024 11:08am.

1. Faculty Sponsor

Name: Brandon Kohrt Degrees: MD, PhD Title: Director Organization: Center for Global Mental Health Equity

Address: 2120 L Street NW- 6th Floor City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 741-2888
Email Address:	jcaracoglia@gwu.edu

2. Daily Supervisor

Name: James Caracoglia Degrees: MS Title: Manager of Operations Organization: Center for Global Mental Health Equity

Address: 2120 L Street NW- 6th Floor City: Washington State: DC Zipcode: 20037

Office Phone:	(571) 478-3288
Email Address:	jcaracoglia@gwu.edu

3. Project Information

Project Title	Sensing Technologies for Maternal Depression Treatment in Low-Resource Settings (StandStrong)

Upload up to three faculty publications (within the last three years).
s41598-024-63232-3.pdf
1-s2.0-S2666560324000458-main.pdf
jamapsychiatry_van_heerden_2023_vp_230013_1687981900.38299.pdf

Research Focus (Please select all that apply):

_____

_____ Health Disparities _____ Public Health

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ⊗ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	For this research study, our research team will evaluate a passive sensing technology-informed postpartum depression intervention implemented among postpartum Nepalese mothers. The StandStrong platform- a maternal data visualization platform for passive sensing data (e.g., heart rate, location, step count, proximity to infant) transmitted from sensors (i.e., electric behavior monitoring (EBM) sensors, GPS sensors) worn by a given mother and her infant- serves as a digital tool that more comprehensively indicates said mother's health and behavior. Within the context of a psychosocial intervention, trained, albeit non-specialist counselors may utilize the platform to more specifically understand the mother's current health and subsequently specify intervention delivery to her unique needs. In the current phase of the study, our team will conduct a (pilot) double-arm, single-blind, individual-randomized controlled clinical trial (RCT) that evaluates the clinical efficacy and implementation potential of platform-informed delivery of the intervention as compared to standard delivery of the intervention; in particular, we will enroll 112 total patients across the trial. We hypothesize that platform-informed delivery will more significantly reduce symptom severity- such as depression, anxiety, distress, and quality of life- associated with postpartum depression relative to standard delivery; moreover, we imagine that platform-informed delivery will prove both cost-effective and scalable.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	Across her enrollment in the study's clinical trial, a given mother will participate in self-report (i.e., quantitative) assessments at specified timepoints: baseline, midline (i.e., 10 weeks post-enrollment), and endline (i.e., 20 weeks post-enrollment). Assessments will evaluate self-perveived symptom severity with respect to the following outcomes: *Depression *Anxiety *Perceived Distress *Social Connectedness *Quality of Life *Quality of Sleep *Quality of Infant Health Our research team will analyze said outcomes via standard descriptive analyses, hypothesis testing, regression modeling, and/or latent class analyses. In addition, a given mother will participate in a key informant (i.e., qualitative) interview at the endline timepoint. In particular, the interview will prompt the mother to provide feedback regarding the following constructs: *Acceptability of Intervention *Utility of Intervention *Feasibility of Intervention Implementation *Provider Efficacy *Therapeutic Alliance with Provider Our research team will identify emergent themes via mixed-methods coding in Dedoose.

Describe the student's role in the project:	Student duties will include but may not be limited to: • Prepares and conducts rigorous literature reviews, systematic reviews, and/or scoping reviews • Assists in the recordkeeping, tracking, and/or data collections pertinent to the trial • Performs foundational quantitative analyses across multiple statistical software packages (e.g., R, SPSS, Stata) • Performs fundamental qualitative analyses in accordance with a priori codebooks • Performs other related duties as assigned. The omission of specific duties does not preclude the mentor from assigning duties that are logically related to the position
Describe the mentor's role in the project:	Mentor duties will include the following: • Provide coaching/guidance regarding how to perform the aforementioned student duties in accordance with best practice • Assign student deliverables to be completed on a biweekly basis; Recurringly evaluate student completion of said deliverables on a biweekly basis • Evaluate collective student performance in accordance with a competency-based framework
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Since the center's inception, our research staff has implemented competency-based medical student rotations on a yearly (i.e., summer) basis; Rotations include student assignment to a concrete scope of work within a given project, individual mentorship from a staff member, and access to the center's capacity building and networking activities. Following the completion of a given student's rotation, the assigned mentor evaluates his/her collective performance in accordance with a competency-based framework. If his or her rating meets or exceeds a center-designated threshold, the center invites him/her to continue project involvement during future semesters. Of note, students are expected to be available for 8+ hours/week during these non-summer semesters.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR213514
IRB Date:	05/06/2025

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-01-2024 9:06pm.

1. Faculty Sponsor

Name: Jennifer Levine Degrees: MD, MSW Title: Medical Director, Survivorship and Supportive Care Organization: Children's National Hospital, Center for Cancer and Blood Disorders

Address: 111 Michigan Ave, NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4919
Email Address:	jlevine@childrensnational.org

2. Daily Supervisor

Name: Jennifer Levine Degrees: MD, MSW Title: Medical Director, Survivorship and Supportive Care Organization: Childrens National Hospital, Center for Cancer and Blood Disorders, Division of Oncology

Address: 111 Michigan Ave, NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-4919
Email Address:	jlevine@childrensnational.org

3. Project Information

Project Title	Burden of medical care after treatment for pediatric brain cancer,

Upload up to three faculty publications (within the last three years).
COVID 19 and Pediatric Cancer.pdf
Fertility Preservation Infrastructure.pdf
Inferior Outcomes of AYA with Cancer.pdf

Research Focus (Please select all that apply):

Cancer

_____ Health Disparities Pediatrics _____

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ⊗ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	The goal of this retrospective chart review is to quantify and describe the burden of prolonged care for pediatric patients who have completed treatment for brain tumors within the last 24 months compared to pediatric patients who completed treatment for blood cancers or solid tumors in the same time period. We hypothesize that pediatric patients with brain tumors have significantly higher medical and psychosocial needs compared to other oncology patients. Although we may not have sufficient power to assess the role of social determinants of health, we hypothesize that patients with fewer financial resources will demonstrate greater difficulty accessing services after the completion of cancer directed treatment. It is anticipated that a total of 150-200 charts will be reviewed for demographics, treatment specifics, numbers of subspecialist visits that take place (including genetics and neuropsychology testing), as well as support services such as occupational therapy, physical therapy etc. Information about educational status will also be extracted. Lists of patients will be provided to the medical student.

Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This is a retrospective chart review project involving existing charts within the division of oncology within the Center for Cancer and Blood Disorders at Children's National Hospital. IRB approval will be obtained prior to the start of the project. A REDCap database will be constructed to document the data of interest from patient charts. Based on this, the medical student involved in this project will be able to begin retrospective chart review as soon as possible. This will begin following a didactic with Dr. Levine about the rationale for this project. Although there are many publications describing "survivorship" in pediatric oncology (defined as patients 2-5 years following the completion of treatment, there is very little literature available that describes the timeframe immediately following the completion of treatment. This is both of interest nationally, and of great interest at Children's National where a large grant focusing on outcomes in pediatric neuro-oncology exists. Thus, it is anticipated that there will be an opportunity to present this work as an abstract and publish it as a manuscript. This is original research. It is anticipated that this research will form the foundation of a new program targeting the needs of neuro-oncology patients and families in this "transition" timeframe from end of treatment, through 2 years off therapy. Timeframe: 6-10 weeks depending on student availability Activities: patient chart review, creating descriptive summaries of findings. Parallel to the chart review, Dr. Levine and the medical student will review the content of the IRB (to learn what is involved in creating and submitting a protocol to the IRB) as well as beginning to work on developing an abstract and poster - and the background, methods and tables/figures can (and should) be created prior to analyzing final results. The medical student will start by examining patients who have completed therapy within the last six months across all diseases. Following the completion of this time period the medical student will review charts of those 7-12 months from end of therapy, then 13-18 months and 19-24 months. This will provide the opportunity to have data across diseases even if it turns out that the chart review takes longer than anticipated.
Describe the student's role in the project:	The student's primary role in the project will be to conduct the chart review, entering data in a REDCap database. Depending on timing the medical student will also have the opportunity to work on descriptive analyses.

Describe the mentor's role in the project:	The mentor will write and submit the IRB, identify eligible patients, and create the REDCap database. The mentor will review with the medical the different types of cancer that are treated in the pediatric population as well as their treatments (including learning about the role of national protocols for treatment). We will review side effects from the different diseases and treatment so establish the rationale for the information being extracted from the chart. The mentor will introduce the student to the standardized guidelines that are used to follow survivors of childhood cancer. The mentor will also supervise draft writing of the background and methods for an abstract and manuscript if time allows.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Levine began working at CNH January 2023 so has not supervised any Gill Fellows or Health Services Scholars. She is currently the primary mentor to a pediatric hematology oncology fellow. At previous institutions she mentored medical students, residents and fellows. All of the medical students have presented posters at national conferences.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-02-2024 4:35pm.

1. Faculty Sponsor

Name: Marc Levitt Degrees: MD Title: Chief, Division of Colorectal and Pelvic Reconstruction Organization: Children's National Hospital

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2656
Email Address:	mlevitt@childrensnational.org

2. Daily Supervisor

Name: Melanie Bowser Degrees: BS Title: Lead Clinical Research Coordinator, Division of Colorectal and Pelvic Reconstruction Organization: Children's National Hospital

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2656
Email Address:	mbowser@childrensnational.org

3. Project Information

Project Title	Pediatric Colorectal and Pelvic Learning Consortium Core Data Project Registry Study

Upload up to three faculty publications (within the last three years).
Evaluation and Management of Total Colonic Hirshbrung Disease.pdf
EJPS Antegrade continence enema.pdf
Treatment of Persistent Soiling in HD

Research Focus (Please select all that apply):

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Gastroenterology Kidney Obstetrics/Gynecology, Pediatrics Surgery

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ⊗ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	1. Characterize our patient population and current treatment practices including patient demographics, etiology of conditions, diagnostic information, surgical and medical management decisions, and functional outcomes such as bowel, urinary and sexual function. 2. Evaluate associations within the patient population, e.g., the association of treatment parameters with functional outcomes. 3. Evaluate and compare site quality metrics, such as patient screening and surgical complications, in order to promote best practices.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The Core Data Project is a multicenter, observational, cohort study of colorectal patients. This study is a registry and therefore intends to enroll indefinitely. It is expected that approximately 1000 new patients will enroll annually. A core set of data will be collected on all enrolled subjects. This data will be utilized to evaluate site quality metrics, answer current and future research questions, and identify subgroups for further study. Projects will focus on surgical outcomes and complications following colorectal and pelvic reconstruction for congenital anomalies of the urinary, GI and gynecologic tracts. We will design and perform classic observational students of clinical data, attempting to associate specific exposures with predefined surgical outcomes. In order to produce a research product by the end of the summer session, our research team will pre-plan projects to facilitate hitting the ground running. The projects will be defined as original research.
Describe the student's role in the project:	We maintain several institutional databases, prospective and retrospective, with baseline data surrounding this research objective. Summer students are likely to perform chart review for the existing registry/learning consortium. Their time can also allow the student to execute a relevant research project with the support of our structured research team (which includes two research coordinators, 4 core faculty, research fellows and a biostatistician). Students will be asked to participate in the development of a research proposal prior to starting the summer. They will be asked to review data and interpret results with the support of the research team. Students will have the option to follow a hybrid schedule. They will be asked to present "works in progress" during research meetings and learn how to ask for input, process feedback and move projects forward. Students with an interest in health services or a relevant background using statistical package such as SAS, SPSS, STATA or R will be prioritized. A strong excel skillset is also favored.

Describe the mentor's role in the project:	Students will attend didactics lead by faculty focused on providing a practical skill set for conducting research. This includes topics like: "writing a good research objective", "research organization", "how to write a good abstract", "creating effect tables and figures", "basic bio stats for clinical research", "study design", "qualitative research methods", and "concepts in health service research". Our goals as mentors is to provide students with a practical foundation for conducting their own research projects in the future. Each mentor will meet with the student prior to the start of summer to formulate a research objective and proposal, which they can then submit for summer funding available through GW. They will lead the student through credentialing and IRB. They will ensure the student hits the ground running at the start of summer and maintains fast-paced 8 weeks focused on creating a research product by the end of the summer.We will also provide career mentorship if the mentee is interested. Students will also have opportunities for clinical shadowing and observing in the OR.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Nearly all students have been awarded Gill, HSR or Fourcroy summer scholar fellowships. Nearly all students have co-authored abstracts in the past, presented at GW REI week, and several students have achieved manuscript publication. In addition to applying for the GW Summer research funding, we are grateful to be able to provide an additional 8-week stipend for all summer research students, for a maximum of $4,800/summer. This is contingent on students keeping time logs and communicating routinely with our clinical research coordinators about study progress. The expectation is that student will attend all research meetings and demonstrate dedication to producing an excellent research product during the time they rotate with us.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	Pro00014074
IRB Date:	02/24/2023

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-22-2024 2:41pm.

1. Faculty Sponsor

Name: Wei Li Degrees: Ph.D. Title: Associate Professor Organization: Children's National/GW

Address: 7144 13th Pl NW City: Washington State: DC Zipcode: 20012

Office Phone:	(202) 545-2751
Email Address:	wli2@childrensnational.org

2. Daily Supervisor

Name: Vipin Menon Degrees: Ph.D. Title: postdoc Organization: Children's National Hospital

Address: 7144 13th Pl NW City: Washington State: DC Zipcode: 20012

Office Phone:	(202) 545-2751
Email Address:	wli2@childrensnational.org

3. Project Information

Project Title	Computational Modeling of Cancer Essential Genes using AI and CRISPR/Cas9 Screening

Upload up to three faculty publications (within the last three years).
Li-nBME-2023.pdf
deepcas13.pdf
nmeth_newsviews_gsfa.pdf

Research Focus (Please select all that apply):

Cancer

Genomics _____ _____ _____

Translational Level:	⊗ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ◯ T3: Translation to Practice ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	This pure computational biology project will process and analyze the screening data of over hundreds of cancer cells and apply the latest AI modeling to gain insights into the large amount of data. The objectives are to (1) collect public available datasets and evaluate the quality of these datasets in the public domain, (2) identify consensus signals that exist between different screening technologies, (3) apply the latest AI methods (e.g., autoencoder, Transformer) to compress the data and make inference; and (4) if possible, develop a program or pipeline to standardize and visualize the results above.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The objectives are to (1) collect public available datasets and evaluate the quality of these datasets in the public domain, (2) identify consensus signals that exist between different screening technologies, (3) apply the latest AI methods (e.g., autoencoder, Transformer) to compress the data and make inference; and (4) if possible, develop a program or pipeline to standardize and visualize the results above.
Describe the student's role in the project:	*Strong programming skills (in Python) and data analysis expertise are required prior to starting this project. * The student will (1) learn the basics of AI models in Python programming and (2) computationally analyze the data and complete the milestones described above
Describe the mentor's role in the project:	The PI (Wei Li) will oversee the whole project: he will provide instructions and resources needed to perform the aims, and guide the student in all aspects (data collection, programming, biological interpretation, etc.). Furthermore, the PI will create a vibrant, interactive environment to support the career development of the student, including but not limited to (1) sharing experience on research, skill development, communication, presentation, etc.; (2) encouraging discussion with other faculties and members of the department that has a variety of scientists working on different disease problems; (3) providing opportunities to connect to collaborator laboratories and industrial partners.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Anthony Chiu (Gill Fellow)
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ◯ No (Pending) ⊗ No (Not Required)
Please Specify why it is not required:	A computational project working on published cell line data so IRB is not required

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-30-2024 12:26pm.

1. Faculty Sponsor

Name: Benjamin M. Liu Degrees: MBBS, PhD, D(ABMM), MB(ASCP) Title: Assistant Professor Organization: Children's National Hospital / GW

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2161
Email Address:	bliu1@childrensnational.org

2. Daily Supervisor

Name: Benjamin M. Liu Degrees: MBBS, PhD, D(ABMM), MB(ASCP) Title: Assistant Professor Organization: Children's National Hospital / GW

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2161
Email Address:	bliu1@childrensnational.org

3. Project Information

Project Title	Clinical Impact of Cell-Free Microbial Metagenomic Next-Generation Sequencing for Infectious Diseases Diagnostics in Children

Upload up to three faculty publications (within the last three years).
Liu BM_Ped Res_2024.pdf
JMV-24-23754.R1_Proof_hi.pdf
Liu BM et al JBC 2024.pdf

Research Focus (Please select all that apply):

_____

Genomics Infectious Disease Pediatrics _____

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ⊗ T2: Translation to Patients ◯ T3: Translation to Practice ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Project goals: Application of metagenomic next-generation sequencing (mNGS) for detection of cell-free microbial DNA in plasma has shown promise in aiding the diagnosis of infectious diseases, given its broad detection of many organisms with one test and noninvasive sampling. However, its clinical utility for diagnosing infections in children is uncertain. Project goal is to determine the clinical utility for diagnosing infections in children. Measurable objectives: We will perform a retrospective review of 157 pediatric patients who had 226 Karius plasma mNGS testing from December 2019 to December 2022. We will compare the positive rate and organism spectrum of the mNGS test with culture results. We will determine the clinical impact of the Karius plasma mNGS test results by performing a comprehensive medical record review and microbiology test results. A positive impact will be defined as confirming clinical diagnosis and changing management, and negative impact by leading to unnecessary treatment, additional unnecessary diagnostic investigations, or longer length of stay. Those results that did neither were considered to have no impact. The rate of positive, negative and no impact will be determined.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The project will be completed during a summer research project with flexible hours to allow for independent work. Our primary outcome is to development of an algorithm of Karius plasma mNGS testing using case criteria to refine ordering criteria to those patients who are likely to benefit clinically from the test results is warranted.
Describe the student's role in the project:	This exciting project represents a great opportunity for a medical student to join as it has just entered data analysis phase. The student will act as a research assistant working with the mentor to analyze the data, write results and papers and submit for presentation at national meeting and/or publication.
Describe the mentor's role in the project:	Dr. Benjamin Liu is the Clinical Microbiologist of the Microbiology Laboratory and the Infectious Disease Molecular Diagnostics Laboratory of Children's National Hospital. He is also an assistant professor of Pathology, Pediatrics and Microbiology, Immunology & Tropical Medicine at the George Washington University in Washington, D.C. He is a PI of multiple projects on infectious diseases diagnostics. He will mentor medical student through project execution, and guide the student to complete the project within expected timeframe.

Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Benjamin Liu has mentored numerous medical students on research studies as well as conference abstracts, publications, presentations and/or case reports. He is currently working with a number of medical students from GW and other medical schools on various projects. Learn more on his lab website: https://appointments.childrensnational.org/provider/benjamin-m-liu/2359518
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-29-2024 2:15pm.

1. Faculty Sponsor

Name: Shideh Majidi Degrees: MD Title: Associate Professor Organization: Children's National Hospital Pediatric Endocrinology

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2121
Email Address:	smajidi4@childrensnational.org

2. Daily Supervisor

Name: Jasmine Roberts Degrees: BA Title: Research Assistant Organization: Children's National Hospital

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2121
Email Address:	jroberts2@childrensnational.org

3. Project Information

Project Title	A Clinic-Based Food Pharmacy Intervention for Children with Type 2 Diabetes and Prediabetes and Food Insecurity

Upload up to three faculty publications (within the last three years).

_____
_____
_____

Research Focus (Please select all that apply):

_____

Endocrinology _____ _____ _____

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ⊗ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Prediabetes and type 2 diabetes (T2D) among children is increasing. Effective diabetes management includes proper nutrition. However, this can be a challenge in youth and families experiencing food insecurity. In this prospective cohort study, we propose an intensive food is medicine/food pharmacy intervention of weekly home deliveries of medically tailored groceries coupled with comprehensive diabetes care (which already includes access to an in-clinic food pantry). We hypothesize that this intervention will improve diabetes and health care utilization outcomes in prediabetic and type 2 diabetic youth experiencing food insecurity. We plan to enroll pediatric participants who screen positive for food insecurity. Eligible participants will be invited to participate in the intervention, to receive weekly home deliveries of medically tailored groceries for 12 months, followed by 6-months post-intervention follow up.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This is a prospective cohort study at a single site, Children's National, in which all participants will be enrolled in a 12-month, intensive food is medicine intervention coupled with comprehensive diabetes care. Participants will be followed for a total of 18 months - 12 months of the intervention followed by 6 months post-intervention to assess for durability of the intervention effect. All children aged 8-17 years with prediabetes or T2D and food insecurity (as defined by screening positive on a food insecurity questionnaire) will be eligible. The study is already in progress and will be completed recruitment by 1/2025. Participants will be in the follow-up phase of the study. The summer project will include data collection and data entry that will contribute to abstract submissions and possible manuscript publications on baseline data.
Describe the student's role in the project:	Data Collection and Data Entry
Describe the mentor's role in the project:	To provide supervision and education on diabetes research
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Previous GW students between their 1st and 2nd years
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	00000694
IRB Date:	1/3/2024

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-30-2024 1:34pm.

1. Faculty Sponsor

Name: Tim McCaffrey Degrees: Ph.D. Title: Professor Organization: SMHS

Address: Ross 205 City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 994-8919
Email Address:	mcc@gwu.edu

2. Daily Supervisor

Name: Tim McCaffrey Degrees: Ph.D Title: Professor Organization: SMHS

Address: Ross 205 City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 994-8919
Email Address:	mcc@gwu.edu

3. Project Information

Project Title	Point of care CD15 Elastase levels in ED SIRS and ICU sepsis to predict severity of illness (SENSOR Trial).

Upload up to three faculty publications (within the last three years).
1 cruz-Omicron coinfections JICM 2024.pdf
INOCA Jaatinen Frontiers 2024.pdf
RNAseq COVID PLOS Wargodsky 2022.pdf

Research Focus (Please select all that apply):

_____

Emergency Medicine, Gastroenterology, Genomics Infectious Disease _____ _____

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ⊗ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Identify an easily measured analyte that can improve identification among those meeting SIRS (systemic inflammatory response) criteria that will go on to decompensate and develop sepsis. Levels of elastase production by isolated leukocytes displaying CD15 antigens mirror the strength and acuity of the innate immune response in early infection and will provide means to stratify those at greater risk for decompensation and sepsis. Patients that progress to septic shock will exhibit significantly higher CD15 elastase activity at the time of enrollment in the ED compared to patients that do not progress to septic shock.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This is an IRB-approved observational cohort study recruiting ED patients meeting SIRS criteria and identified as potentially septic by ED personnel. POC neutrophil elastase will be measured at the time of enrollment in the ED. An additional small sample of whole blood will be obtained for the purposes of parallel elastase measurements, and analysis of RNA markers of neutrophil activation by the basic science team. Frozen blood samples in a specialized RNA preservative (Tempus) will be analyzed by an established ddPCR test for specific RNA transcripts related to neutrophil activation. Those who eventually require ICU care will have repeat testing done daily until death, or patient transfer out of the ICU. Based upon previous work, it is estimated that 173 ED patients will need to be enrolled; it is expected that 17 of these will be transferred to the ICU, and 8 will have septic shock. We assume that the number of ED patients screened for sepsis that end up going to the ICU with septic shock will be 5%, and that there will be a mean 50% difference in POC elastase scores between those that are admitted to the ICU, and those that are either sent home from the ED, or admitted to the hospital wards, treated, and subsequently sent home uneventfully. Standard deviation in elastase levels in those with septic shock is also estimated at 50%. Alpha=0.05; beta=0.80. Our study will be powered to detect this difference if 173 patients are enrolled; 8 with septic shock.
Describe the student's role in the project:	The student will be involved in all aspects of the project. They will be trained to screen and consent patients, collect the relevant samples, and then perform the laboratory analysis of the blood specimens. The student will be welcome to learn more detailed aspects of how we built this point of care device, including 3D printing techniques and microcontroller programming.
Describe the mentor's role in the project:	The mentor is responsible for the proper training of all the team members on the project with particular attention to the careful collection of the patient samples and their analysis in the laboratory.

Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Recent medical student members of our clinical/laboratory team: Grace Holloway MS2, Kevin Jaatinen MS2 Jennifer Goldman MS3 Mary Pasquale MS3 Tristan Jordan MS4
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR213645
IRB Date:	10/15/2024

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-03-2024 10:19pm.

1. Faculty Sponsor

Name: Philip McClure Degrees: MD Title: Director Organization: International center for limb lengthening

Address: 5401 Old Court Road Randallstown, City: Baltimore State: MD Zipcode: 21133

Office Phone:	(410) 601-2663
Email Address:	Pmcclure@lifebridgehealth.org

2. Daily Supervisor

Name: Akram Al Ramlawi Degrees: MD Title: Research Fellow Organization: International center for limb lengthening

Address: 5401 Old Court Road Randallstown, City: Baltimore State: MD Zipcode: 21133

Office Phone:	(410) 601-2663
Email Address:	aalramlawi@lifebridgehealth.org

3. Project Information

Project Title	Post axial deformity limb salvage protocol

Upload up to three faculty publications (within the last three years).
children-10-00439-v2.pdf
mechanical_failures_in_magnetic_intramedullary.4.pdf
reconstructive_options_for_tibial_bone_defects.1.pdf

Research Focus (Please select all that apply):

_____

_____ _____ Orthopedics _____

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ⊗ T3: Translation to Practice ◯ T4: Translation to Population Health
Project goals and measurable objectives (e.g. number of patient records, assays completed):	Volunteer will help in reviewing around 200 patient charts, and help synthesize a predictive model for limb deformity procedures.

Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	the project will have 3 different steps: 1- data collection, mostly from patient charts and from previous xrays. 2- Data synthesis and analysis: researcher will help in cleaning, grouping and analyzing the collected data. 3- Manuscript writing: Researcher will help in writing manuscripts stemming and revolving around data collected. Each step would take around 2-3 weeks.
Describe the student's role in the project:	Student can help in any step of the research along other ongoing research projects, he will be able to learn and start patient chart review, data analysis and manuscript writing
Describe the mentor's role in the project:	mentor will make sure that the student is on the right path and will be available as an advisor. also mentor will be available for weekly research meetings.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Currently our program has a research fellow who is a recent medical school graduate interested in pursuing residency in orthopedic surgery. We also have trained as the ICLL team multiple previous research fellows, and we have multiple visitng students that start working on research projects with us.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	2024 -22
IRB Date:	April 3, 2024

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-15-2024 6:17pm.

1. Faculty Sponsor

Name: Paige McDonald Degrees: EdD, MA Title: Associate Professor Organization: SMHS

Address: 2600 Virginia Ave City: Washington, DC State: DC Zipcode: 20037

Office Phone:	(202) 994-9124
Email Address:	paigem@gwu.edu

2. Daily Supervisor

Name: Paige McDonald Degrees: EdD, MA Title: Associate Professor Organization: SMHS

Address: 2600 Virginia Ave City: Washington, DC State: DC Zipcode: 20037

Office Phone:	(202) 994-9124
Email Address:	paigem@gwu.edu

3. Project Information

Project Title	Operationalizing Learning Health Systems Across Levels of Scale

Upload up to three faculty publications (within the last three years).
Identifying Requisite LHS Competencies.pdf
Data to knowledge to improvement creating the learning health system The BMJ.pdf
_____

Research Focus (Please select all that apply):

_____

_____ Health Disparities, Medical Education _____ _____

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ⊗ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Learning health systems (LHSs) have been proposed as a pathway towards continuous innovation and improvement in healthcare (McDonald et al. 2024). The United States Institute of Medicine first proposed the concept of a continuously learning healthcare system in 2013 as a system in which "science, informatics, incentives, and culture are aligned for continuous improvement and innovation"(p.xi). The purpose of this study is to investigate how the Learning Health System (LHS) construct has been operationalized in developed countries (the United States, the United Kingdom, Australia, and the Netherlands) across levels of scale and various types of organizations to: 1) explore how different organizations created a shared value supportive of LHS operationalization, 2) to compare enacted competencies, roles, and responsibilities associated with the LHSs across different scales of operationalization and levels of maturity, and 3) to compare how institutional or national policy and funding (or lack thereof) influenced LHS operationalization across different organizations. The following research questions will guide this comparative case study research: 1) How have different organizations created a shared value in operationalizing LHS? 2) What competencies, roles and responsibilities supported operationalizing LHS at various levels of scale and across
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	A comparative case study methodology based upon an ethnographic approach to field research (Creswell, 2007) that considers multiple cases of LHS operationalization in different countries and across different levels of scale (individual organization, network, national health system) will be adopted to investigate the adoption of LHSs in various natural contexts. As is consistent with case study research, this research will involve multiple form of data collection including qualitative, key informant interviews, observations and corresponding field notes, and document analysis to achieve study aims. Interview transcripts, documents, observations and field notes will be analyzed inductively for emerging codes and themes related to the research questions and then deductively comparing the emergent codes and themes to LHS domains, competencies, and maturity indices indicated in published literature. Study participants will include healthcare providers, researchers, and administrators at healthcare organizations in the US, UK, Netherlands, The Republic of Ireland, and Australia with the goal of engaging 1-3 sites within each country.

Describe the student's role in the project:	The student will assist with data preparation and analysis, including qualitative coding of transcripts, documents, and notes from fields observations and triangulation of findings across data sources. Additionally, the student will conduct literature searches to support publication and dissemination of findings. The student will have a sufficient role to constitute authorship on manuscripts prepared for publication.
Describe the mentor's role in the project:	The mentors will provide guidance in data preparation and analysis. The mentorship team (2 faculty members and 2 PhD students) will also engage in analysis and compilation of results. The mentorship team will also guide the student in the conduct of literature reviews and manuscript preparation.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	The supervising mentor is faculty in the PhD in Translational Health Sciences program. She has chaired or is chairing 10 dissertations with 4 successfully defending their dissertations. She has published with 3 of these students, with publication either in preparation or under review with 3 others. She has also participated in 4 dissertation committees, three of which were successfully defended and one is scheduled for defense in spring. Students have included clinicians from multiple health professions.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR245939
IRB Date:	7/24/2024

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-24-2024 6:18pm.

1. Faculty Sponsor

Name: Karen McDonnell Degrees: PhD Title: Associate Professor Organization: GWU-SPH

Address: 950 New Hampshire Avenue NW City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 994-6823
Email Address:	kmcdonne@gwu.edu

2. Daily Supervisor

Name: Karen McDonnell Degrees: PhD Title: Associate Professor Organization: GWU-SPH

Address: 950 New Hampshire Avenue City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 994-6823
Email Address:	kmcdonne@gwu.edu

3. Project Information

Project Title	Development of a universal medical school curriculum for Female Genital Mutilation and Cutting

Upload up to three faculty publications (within the last three years).

_____
_____
_____

Research Focus (Please select all that apply):

_____

_____ Medical Education Obstetrics/Gynecology, Pediatrics Public Health

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
⊗ T3: Translation to Practice
◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	The project aims to develop uniform multimethod training and certification materials for professional front line personnel who will encounter women who have experienced FGM/C and to provide much needed survivor-informed training materials.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The project will evaluate existing programs and develop a multimethod training program or certificate for continuing education credits. We have a number of community based partners who will assist the student in the development of a proposal for pilot testing.
Describe the student's role in the project:	Literature searches, synthesis of materials, clinical perspective on training needs and modalities.
Describe the mentor's role in the project:	the mentor has developed an online living toolkit that will serve as the basis for the efforts
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have worked with SMHS on SAMSHA project to develop virtual training program on SUDs. I have also been a part of the RWJ residency training program efforts in MCH.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ◯ No (Pending) ⊗ No (Not Required)
Please Specify why it is not required:	Development of training program materials

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-06-2024 3:17pm.

1. Faculty Sponsor

Name: Andrew Meltzer Degrees: MD, MS Title: Chief of Clinical Research Section of Department of Emergency Medicine Organization: GW MFA

Address: 2120 L St. NW Suite 450 City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 741-2581
Email Address:	ameltzer@mfa.gwu.edu

2. Daily Supervisor

Name: Aditya Loganathan Degrees: BS Title: Clinical Research Coordinator Organization: GW MFA

Address: 2120 L St. NW Suite 450 City: Washington State: DC Zipcode: 20037

Office Phone:	(732) 629-4879
Email Address:	aloganathan@mfa.gwu.edu

3. Project Information

Project Title	Rapid Diagnosis of Viral Acute Respiratory Infection to Decrease Unnecessary Antibiotic Utilization in the Emergency Department (RADIATE)

Upload up to three faculty publications (within the last three years).
1-s2.0-S0196064412017428-main.pdf
JACEP Open - 2024 - Meltzer - A multicenter randomized control trial Point-of-care syndromic assessment versus standard.pdf
6d033e2c-4ebe-44a9-842b-d36573443196.pdf

Research Focus (Please select all that apply):

_____

Emergency Medicine Infectious Disease _____ Public Health

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ⊗ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Using a prospective design, the research team will enroll 200 patients presenting to the George Washington ED for acute respiratory illness and conduct a rapid viral panel test to identify the etiology of the infection. The intervention involves the implementation of a point-of-care multiplex PCR test. The primary outcome measure is the use of antibiotics for treating acute respiratory illness. Secondary outcomes include ED length of stay and the utilization of alternative tests ordered during the ED visit. Outcomes for participants enrolled in the emergency department will be compared against historical controls matched by age and sex from patients presenting at the ED for an acute respiratory illness.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The purpose of this study is to assess whether the implementation of a rapid point-of-care multiplex PCR test to identify viral etiology in patients with acute respiratory illness can effectively reduce unnecessary antibiotic utilization in the emergency department. By providing timely and accurate diagnostic information, the study aims to guide clinicians in making informed treatment decisions and reduce the overuse of antibiotics. The study adopts a single arm consecutive enrollment approach. This means that all eligible participants will receive the rapid diagnostic intervention. The intervention is the BIOFIRE SPOTFIRE R Panel, a rapid multiplex PCR test used to identify 15 of the most common viruses and bacteria that can cause acute respiratory illnesses. This study will follow a predetermined schedule for enrollment, data collection, and analysis. The specific timeline will depend on the research team's planning, but it may span several months to gather an adequate sample size and conduct necessary analyses. For each participant, involvement with the study will only last for the duration of the ED visit. Unique identifiers will be preserved for the duration of study to ensure that patients are not enrolled more than once. Recruitment will take place in the Emergency Department. Potential subjects will be screened by the study staff by chief complaint on the ED electronic medical record tracking board. Study staff will review the exclusion/inclusion criteria in the electronic health care record, the provider and if necessary, the patient. To enroll the retrospective cohort, the study team will identify participants in the CDC RECOVER project, a federally funded biosurveillance program to monitor prevalence of acute respiratory illnesses, and match them to patients that have already been enrolled in the RADIATE study by age and sex at a 2:1 ratio.

Describe the student's role in the project:	The student's role in this project will be primarily to aid in the analysis of the retrospective cohort as well as assist in publication efforts. The study team has created an algorithm to identify the historical controls, and the student will lead retrospective chart review efforts. The student will access the electronic health record to record medications administered, ED length of stay, diagnostic codes, diagnostic test utilization, vital signs, and a subset of laboratory tests. At this point in the progress of the study, recruitment efforts for the prospective cohort are almost complete. By the summer time, the research team will be focused on comparative analysis and manuscript preparation.
Describe the mentor's role in the project:	Dr. Meltzer is the Chief of the Clinical Research Section of Emergency Medicine at George Washington University Hospital. Dr. Meltzer will oversee all aspects related to the conduct of the RADIATE study including recruitment efforts, data analysis, and publication efforts. He will assist the medical student in translating study findings into a scientific manuscript, and will guide the student in ensuring that data analysis procedures are conducted accurately and following the intended timeline.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Meltzer has had a long history of mentorship. He has had multiple Gill Fellows and Health Services recent scholars include Michael Makutonin, Callen Morrison, Matteo Pieri, and William Huang whose work has led to presentations at national conferences including the Society for Academic Emergency Medicine. As the Chief of the Clinical Research Section in Emergency Medicine, Dr. Meltzer assists in the development of all research initiatives in the Department of Emergency Medicine and is actively involved in the field of clinical innovation as the Director of the Clinical Practice Innovation and Entrepreneurship Scholarly Track.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR235084
IRB Date:	2/5/2024

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-31-2024 12:52pm.

1. Faculty Sponsor

Name: Neil Mendhiratta Degrees: MD, MS Title: Assistant Professor of Urology Organization: George Washington University

Address: 2150 Pennsylvania Ave City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 677-6976
Email Address:	nmendhiratta@mfa.gwu.edu

2. Daily Supervisor

Name: Neil Mendhiratta Degrees: MD, MS Title: Assistant Professor of Urology Organization: George Washington University

Address: 2150 Pennsylvania Ave City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 677-6976
Email Address:	nmendhiratta@mfa.gwu.edu

3. Project Information

Project Title	Screening for Germline Genetic Testing Candidates in an Academic Urology Practice

Upload up to three faculty publications (within the last three years).
Clinical Genetics - 2024 - Mendhiratta - Outcomes of a universal germline screening program in a community urology practice.pdf
Consensus 2021 Cancer.pdf
_____

Research Focus (Please select all that apply):

Cancer

_____ Health Disparities, Kidney _____ Public Health, Surgery

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ⊗ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	The goal of this project is to investigate the frequency of patients referred to a urology practice at an urban tertiary care center who meet National Comprehensive Cancer Network criteria for germline genetic testing.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This is a prospective study to survey patients referred to our urology clinic to determine if they meet NCCN criteria for germline genetic testing. Recently published literature has revealed that fewer than one third of patients who are diagnosed with cancer undergo genetic testing in the United States. The frequency of genetic testing is even lower among patients of non-white racial backgrounds. Additional studies have shown that up to 25% of patients referred to a community urology practice for both benign and cancerous conditions may meet criteria for germline testing. However, these studies include largely suburban, white patient populations. Our study will provide novel insight into the utility of a germline genetics screening survey for a diverse patient population referred to a urology clinic in an urban setting.
Describe the student's role in the project:	The student will be responsible for screening the weekly clinic list for new patient referrals and facilitating survey completion for patients when they arrive in clinic. This will require direct patient contact during 3 days of the week and will allow opportunities for clinical shadowing. The remainder of the week will be for data collection, analysis, and publication. Students will also be invited to attend weekly Urology Grand Rounds and monthly meetings with the Urology Interest Group (UIG).
Describe the mentor's role in the project:	The mentor and PI will be responsible for study oversight and patient care, as well as facilitating clinical shadowing and medical education. The mentor will facilitate weekly meetings to assess the progress of the project and provide research and clinical mentorship for the student.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Though I am new to GW, our department has successfully mentored many students over the past few years. Dr. Whalen is the Director of Urologic Oncology and will provide an additional level of senior experience and mentorship. Since he began at GW in 2016, our student-championed research team has developed over 70 abstracts for submission to regional, national, and international conferences; and 40 publications in peer-reviewed journals. In the summer of 2024 our department supported 7 medical students who achieved funding through intramural and extramural funding mechanisms, including the Gill Fellowship.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)

IRB Number:

_____

IRB Date:

_____

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-02-2024 4:44pm.

1. Faculty Sponsor

Name: Emily Niu, Chelsey Bowman, Mia Carmita Degrees: MD, PhD, PhD(c) Title: Orthopaedic Surgeon, Sport Psychologist, Biomechanist/Engineer Organization: Children's National Hospital

Address: 1 Inventa Place City: Silver Spring State: Maryland Zipcode: 20910

Office Phone:	(202) 476-4176
Email Address:	cbowman@childrensnational.org

2. Daily Supervisor

Name: Chelsey Bowman Degrees: PhD Title: Attending Sport Psychologist Organization: Children's National Hospital

Address: 1 Inventa Place City: Silver Spring State: Maryland Zipcode: 20910

Office Phone:	(202) 476-4176
Email Address:	cbowman@childrensnational.org

3. Project Information

Project Title	Predictors of Return to Sport Following Knee Surgery

Upload up to three faculty publications (within the last three years).

_____
_____
_____

Research Focus (Please select all that apply):

_____

_____ _____ Orthopedics, Pediatrics Surgery

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ⊗ T3: Translation to Practice ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	We are an interdisciplinary team comprised of an orthopaedic surgeon, sport psychologist, and biomechanist who are interested in what factors contribute to recovery and return to sports following knee surgery. We are working to build a database of subjective and objective measures from youth who have undergone ACL surgery. We are looking retrospectively and hope to add a prospective piece as well.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	We are looking at data starting in 2015 and continuing to collect data. Given that we are extracting data from medical records, we know the data is there. Pediatric patients require specific considerations that differentiate them from adult counterparts. Their dynamic lifestyles often necessitate a swift return to higher levels of physical activity after experiencing injuries. This is especially prominent among young athletes who strive to regain their previous activity levels post-injury. Moreover, adherence to post-injury or post-operative restrictions might be compromised due to factors such as age, physical limitations, or non-compliance with medical recommendations. Healthcare providers developing treatment plans must consider the patient's age, ability to adhere to restrictions, and long-term activity objectives, however there are currently no agreed upon systematic methods for accounting for these variables. Returning to prior sport/level of activity and preventing subsequent injuries continues to be the goal and expectation of many pediatric patients that have sustained a sport-knee injury which places great importance on return to sport decision making. Previously used time-based decision making has not been shown to correlate to functional abilities, which is why criterion-based progression for return to sport decision making is critical to understanding better (Meredith et al., 2020). Criteria for returning to sport/activity must also take into consideration the age and developmental level of the patient. In addition, a patient's presentation can vary greatly through their trajectory of recovery and rehabilitation, which is why it is important to look at differences in outcomes at different time points during their recovery. Given that there are not well-established predictors of return to sport following knee surgery, we believe that this research will be of interest to other scholars.
Describe the student's role in the project:	There are a few different opportunities for a medical student. The student would support the collection and documentation of pre- and post-surgical objective and subjective measures. The student will also help with literature reviews and participate in research meetings. Mentors would like to support student in submitting abstracts to conferences or participating in paper writing depending on fit and student's interest..

Describe the mentor's role in the project:	The mentors (Drs. Niu, Bowman, and Ms. Carmita) will all provide mentorship to the medical student. At least one mentor will meet weekly with medical student and be available as needed. Mentors are PI and Co-PIs on project. They oversee the protocol, maintain the RedCap database, and collaborate to investigate specific research questions.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Dr. Niu has previously mentored medical students.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	STUDY00001215
IRB Date:	_____

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-02-2024 1:03pm.

1. Faculty Sponsor

Name: Katherine M. Ottolini Degrees: Doctor of Medicine Title: Attending Physician Organization: Children's National Hospital

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-8905
Email Address:	kottolin@childrensnational.org

2. Daily Supervisor

Name: Katherine M. Ottolini Degrees: Doctor of Medicine Title: Attending Physician Organization: Children's National Hospital

Address: 111 Michigan Ave NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-8905
Email Address:	kottolin@childrensnational.org

3. Project Information

Project Title	Impact of Early Nutritional Intake in Preterm Brain Development

Upload up to three faculty publications (within the last three years).
Using Nature to Nurture - Breast Milk Analysis and Fortification to Improve Growth and Neurodevelopmental Outcomes in Preterm Infants.pdf
Lipid Intake and Neurodevelopment in preterm infants neoreview.pdf
Early Lipid Intake Improves Cerebellar Growth in Very Low-Birth-Weight Preterm Infants.pdf

Research Focus (Please select all that apply):

_____

_____ _____ Pediatrics _____

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ⊗ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	The student will be participating in an existing prospective study, specifically collecting preterm nutritional data and relating to brain development on term-equivalent quantitative MRI (qMRI). Student goals include: (1) to collect nutritional data on preterm infants using the electronic medical record (anticipated completion of 20 patient records over 8-week period), (2) to complete introductory training in qMRI and gain an understanding of implications of different qMRI metrics for neurodevelopment, (3) gain knowledge in preterm nutritional interventions and implications for early brain development.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The student would utilize the electronic medical record to collect detailed parenteral and enteral nutritional intake data for enrolled preterm infants (anticipated 3 days/week). Student will also undergo weekly sessions with mentor, either to gain an understanding of preterm nutritional interventions (by shadowing on clinical rounds) or complete introductory clinical training in qMRI modalities within the Developing Brain Institute at CNH. Mentor will also have weekly meetings with student to review data collection progress, and discussion statistical models that will be employed to relate nutritional data to preterm brain development using qMRI. Additionally, student will have the opportunity to participate in other active clinical research activities as desired, including human milk analysis, body composition analysis, and preterm MRI acquisition.
Describe the student's role in the project:	Students will assist in neonatal nutritional data collection. They will also undergo preliminary training in quantitative MRI (qMRI) techniques in order to gain an understanding of the qMRI metrics we will be relating nutritional data to (but will not be expected to perform complex qMRI or statistical analyses).
Describe the mentor's role in the project:	Mentor will oversee nutritional data collection while providing education on the clinical implications and meaning of the different nutritional parameters. Mentor will also oversee student's introduction to qMRI and perform the statistical analyses required to relate the nutritional data to qMRI metrics.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	The student will be working under the umbrella of the Developing Brain Institute headed by Dr. Catherine Limperopoulos, with a longstanding record of student mentorship. Summer students will have the opportunity to participate in the DBI summer student lecture series to gain an introduction into multiple aspects of neonatal neurodevelopment and neuroimaging.

Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	Pro00002391
IRB Date:	ends 11/14/2025

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-15-2024 5:05pm.

1. Faculty Sponsor

Name: Adrienne Poon Degrees: MD MPH Title: Associate Professor of Medicine Organization: GW SMHS/MFA Department of Medicine

Address: 900 23rd St NW, 4th floor, hospital medicine City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 715-5109
Email Address:	apoon@gwu.edu

2. Daily Supervisor

Name: Adrienne Poon Degrees: MD MPH Title: Associate Professor of Medicine Organization: GW SMHS/MFA Department of Medicine

Address: 900 23rd St NW, 4th floor, hospital medicine City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 715-5109
Email Address:	apoon@gwu.edu

3. Project Information

Project Title	Debunking the Model Minority Myth: A Community-Based Needs Assessment to Explore Asian American, Native Hawaiian, and Pacific Islander Health Disparities

Upload up to three faculty publications (within the last three years).
Cheng Poon 2024 - HF among Asian American Subpopulations.pdf

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Research Focus (Please select all that apply):

_____

_____ Health Disparities _____ Public Health

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Conduct a community-based participatory research health needs assessment of the Asian American, Native Hawaiian, and Pacific Islander communities in the Washington, DC region. The goal is to conduct data collection of surveys from sites around the DMV and review preliminary data with community partners. It also includes outreach to potential community partners to assist with surey dissemination into the greater DMV community.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This CBPR was developed in partnership with a
Describe the student's role in the project:	The student will join the outreach team to go out into the DMV community and collect surveys from community members and ensure entry into the redcap database.
Describe the mentor's role in the project:	The mentor will provide overall supervision of the project and support brainstorming of outreach strategies that may be effective.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Prior gill fellow, Maria Wu. Currently working with MS4 to coordinate outreach; another MS3 supported one of the translations.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR235279
IRB Date:	4/15/2024

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-26-2024 1:56pm.

1. Faculty Sponsor

Name: Sauharda Degrees: PhD Title: Assistant Research Professor Organization: Center for Global Mental Health Equity, GW SMHS

Address: 2120 L Street Suite 600 City: Washington DC State: Washington DC Zipcode: 20037

Office Phone:	(202) 741-2888
Email Address:	sauharda@gwu.edu

2. Daily Supervisor

Name: Sauharda Degrees: PhD Title: Assistant Research Professor Organization: Center for Global Mental Health Equity, GW SMHS

Address: 2120 L Street Suite 600 City: Washington DC State: Washington DC Zipcode: 20037

Office Phone:	(202) 741-2888
Email Address:	sauharda@gwu.edu

3. Project Information

Project Title	Social determinants of mental health: a longitudinal cohort study of population affected by conflict in rural Nepal

Upload up to three faculty publications (within the last three years).
rai 2023_the-photovoice-method-for-collaborating-with-people-with-lived-experience-of-mental-health-conditions-to-strengthen-mental-health-services.pdf
Rai_2023_ssm-mentalhealth_migration and mental health.pdf

rose-et-al-2023-pretraining-skills-as-predictors-of-competence-of-nonspecialists-in-delivery-of-mental-health-services.pdf

Research Focus (Please select all that apply):

_____

_____ Health Disparities _____ Psychiatry, Public Health

Translational Level:	◯ T0/T1: Basic Science Discovery and Initial Translation to Humans ◯ T2: Translation to Patients ◯ T3: Translation to Practice ⊗ T4: Translation to Population Health
Project goals and measurable objectives (e.g. number of patient records, assays completed):	316 participants - community sample from rural Nepal recruited in 2001 by PI - Brandon Kohrt. The participants are followed-up every eight years. As of Nov 2024, three waves of follow-up have been completed and we plan to conduct the 4th wave in Spring 2025.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This is a longitudinal cohort study of 316 participants who were initially recruited in 2001 in rural Nepal. This cohort went through the Maoist civil war and series of political and social transition between the time of recruitment and now. We assess mental health status including depression, anxiety, PTSD and alcohol use disorder and also collect data on traumatic life events, family support, social status, resilience, childhood trauma, disability (WHO-DAS) along with the demographic information. This data should help in understanding social determinants of mental health across lifespan among rural populations in
Describe the student's role in the project:	The student role in the project will be on working with the data collected during the 4th wave. The student will work on data cleaning - processing, developing code books and ultimately can design their own global mental health research question based on the available dataset. Students are welcome to use the data for academic purposes including publications and conference presentations. Students interested in global mental health field work can also have the possibility to travel to Nepal and conduct qualitative follow-up interviews during summer 2025. (Note: funding not available through the study so the students have to solicit funding themselves from GWU) This role is suitable for students who are interested in global mental health and want to learn epidemiological mixed-method research. Ideal students will have some background on biostatistics.
Describe the mentor's role in the project:	As one of the study PI, I will oversee the study. I will be working with our partner organization in Nepal - Transcultural Psychosocial Organization TPO Nepal and Karnali Academy of Health Sciences (KAHS) in executing this study. I will be the direct liaison for the students responsible for their onboarding, supervision and mentoring. I have worked with medical students and residents to develop skills and experience in conducting global health research over the last decade.

Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Shewa Adkelekum, medical student at Duke University : worked on development of stigma reduction intervention and measure in Nepal Tony Pham, psychiatry resident at Duke University: worked on the topic of faith healers and mental health in Nepal Rennie Quin, medical student at University of Auckland: worked on social determinant of mental health study in rural Nepal
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-18-2024 5:03am.

1. Faculty Sponsor

Name: Rosenblau Gabriela Degrees: PhD Title: Associate Professor Organization: George Washignton University

Address: Monroe Hall City: Washington State: DC Zipcode: 20052

Office Phone:	(202) 994-0438
Email Address:	grosenblau@gwu.edu

2. Daily Supervisor

Name: Yen-Wen Chen Degrees: PhD Title: Postdoctoral Associate Organization: George Washignton University

Address: Monroe Hall City: Washington State: DC Zipcode: 20052

Office Phone:	(202) 994-0438
Email Address:	yenwen.chen@email.gwu.edu

3. Project Information

Project Title	Cerebellar contributions to social learning in typically developing and autistic adolescence

Upload up to three faculty publications (within the last three years).

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_____

Research Focus (Please select all that apply):

Anatomy

_____ _____ Neurology Psychiatry

Translational Level:

- ⊗ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Adolescence marks a critical stage in social development, during which individuals experience increasing social demands. While adolescents generally display less optimal social learning strategies compared to adults, autistic teens face even greater difficulties in navigating these social challenges. These social challenges have been tied to altered predictive abilities. Autistic adolescents seem to use and encode prediction errors (PEs), the discrepancy between predicted and actual consequence, less compared to nonautistic peers. A possible neural mechanism involves cerebellar posterior lobe (CPL), a structure thought to generate predictions and encode PEs. This study investigates cerebellar contributions to social learning in autistic (AUT) and nonautistic (N-AUT) adolescents. Social learning is measured by a preference learning task in the MRI scanner. During the scan, participants infer a peer's preferences and receive feedback on actual preferences after each trial. PEs are the difference between ratings and feedback, with learning defined as PE reductions over time. Functional MRI data is preprocessed with fMRIPrep, and the cerebellum is processed with SUIT. PEs are used as parametric regressors in a linear mixed effects model in FSL's FEAT to investigate cerebellar activity modulation.

Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This is a cross-sectional design study. Adolescents aged between 8 - 17 years old with Autism Spectrum Disorder and neurotypical adolescents are recruited in the study. This is an ongoing project and we plan to recruit 60 adolescents in total. There are currently 18 non-autistic and 17 autistic AUT participants. The study consists of a battery of self- and parent-report cognitive, neuropsychological, and social functioning measures, which are filled out by either the parent or adolescent participant. Participants are invited to participate in one fMRI visit, in which participants complete a social learning task. The student will be responsible for processing functional MRI (fMRI) data following an in-house protocol. The protocol includes (1) preprocessing fMRI data, which leverages the state-of-the-art imaging preprocessing fMRIPrep pipeline; (2) processing cerebellar data, which is processed with the Spatially Unbiased Atlas Template of the Cerebellum and Brainstem (SUIT) toolbox; (3) conducting quality assessment of the fMRI data. After obtaining quality processed fMRI data, the student will be conducting statistical analysis using FSL FEAT to investigate the cerebellar contributions to social learning in autistic and non-autistic adolescents. Given that the cerebellum, particularly CPL, is densely connected with the higher-level cortical regions, like medial prefrontal cortex (mPFC), this study further aims to examine the functional connectivity between CPL and mPFC during the social learning task. This project can not only shed light on brain development and social learning in adolescence, potentially identify this period as a sensitive period for cerebellum and fronto-cerebellar connectivity for social learning; it can also inform our understanding of predictive framework and cerebellar function in autism pathology and symptomatology. Through this project, the student will gain experience in fMRI study design, data processing, and analysis, while exploring the neural mechanisms of social learning in autistic and non-autistic individuals.
Describe the student's role in the project:	The student will take an active role in brain imaging data processing and analysis. The student will receive training on basic brain anatomy, fMRI data preprocessing, in-house fMRI cerebellar data processing, fMRI data quality assessment, as well as programming and statistical analysis with Matlab, R, and High Performance Computing clusters. The student will meet weekly with the daily supervisor for training, troubleshooting, and progress updating. The student will also attend weekly lab meetings, gaining exposure to fMRI data collection, various other research projects in the lab, connecting with lab members, and having the opportunity to develop science communication skills through presenting in lab meetings and supporting poster and oral conference presentations.

Describe the mentor's role in the project:	The mentor will be responsible for developing training models for fMRI data processing, programming, and statistical analysis, and will monitor the student's progress through weekly in-person meetings with the student. The mentor will also provide support for troubleshooting and brainstorming.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	The PI has mentored internships by medical students and supported lab rotations at Yale University and at the Heidelberg University Medical Hospital.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	NCR191133
IRB Date:	current

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-31-2024 1:59pm.

1. Faculty Sponsor

Name: Randi Streisand Degrees: PhD Title: Tenured Professor and Chief of Division of Psychology Organization: Children's National Hospital

Address: 111 Michigan Ave NW City: Washington DC State: DC Zipcode: 20010

Office Phone:	(202) 476-2730
Email Address:	rstreis@childrensnational.org

2. Daily Supervisor

Name: Randi Streisand Degrees: PhD Title: Professor and Chief Organization: CNH

Address: 111 Michigan Ave NW City: Washington, DC State: DC Zipcode: 20010

Office Phone:	(202) 476-2730
Email Address:	rstreis@childrensnational.org

3. Project Information

Project Title	Tween Strengths- Resilience in Youth with T1D

Upload up to three faculty publications (within the last three years).
ROUTE-T1D Protocol Paper .pdf
Tully et al., 2024.pdf
Carreon et al., 2024.pdf

Research Focus (Please select all that apply):

_____

Endocrinology Health Disparities Pediatrics Public Health

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
⊗ T3: Translation to Practice
◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Participate in research activities on NIH R01 trial promoting positive communication between parents and youth with T1D. Data from recently completed trials available for analyses and writing publications.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The tween strengths trial randomizes youth ages 10-13 years with type 1 diabetes to either enhanced standard care, or to use a recently developed mobile health app that encourages positive parent-child communication via having parents give youth positive feedback about diabetes management behaviors. This is a 2 site trial with Baylor College of Medicine. The study will still be in active recruitment next summer. The student will have an opportunity to observe research activities on 1-2 NIH randomized clinical trials for youth with T1D. Depending on fellow's interests, specific research question will be developed from baseline data from ongoing trial, or data from recently completed trial with the goal of submitting for publication. Datasets include demographic and medical variables for youth with T1D, glycemic outcomes including continuous glucose monitoring data, and psychosocial measures such as diabetes distress, parent child conflict, diabetes management behaviors. Fellow will choose an original project to explore variables of interest for data analysis.
Describe the student's role in the project:	Student's role will depend on interest and may include helping to verify medical record and diabetes technology data, and then observing behavioral research activities.
Describe the mentor's role in the project:	Provide training and mentorship in behavioral research and in pediatric diabetes. Support student in areas of interest. I will meet weekly with the student and help them to shape their research idea and work towards an academic product from the summer experience.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have personally mentored 7 medical students and supported the mentoring of many others. Here are names of prior students- some from GWU and some from other med schools: Priya Mehta, Suzanne Collier, Tamiko Younge, Lindsay O'Brecht, Miriam Toaff, Madhu Vemulakonda
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	00006918
IRB Date:	6/24/24

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-05-2024 2:47pm.

1. Faculty Sponsor

Name: Jason Triplett Degrees: PhD Title: Associate Professor Organization: Children's National Hospital

Address: 111 Michigan Ave, NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-3985
Email Address:	jtriplett@childrensnational.org

2. Daily Supervisor

Name: Gourav Sharma Degrees: PhD Title: Postdoctoral Fellow Organization: Children's National Hospital

Address: 111 Michigan Ave, NW City: Washington State: DC Zipcode: 20010

Office Phone:	(202) 476-2481
Email Address:	gsharma@childrensnational.org

3. Project Information

Project Title	Role of visual experience in maintenance of visual map alignment in the superior colliculus

Upload up to three faculty publications (within the last three years).
Johnson 2023 J Neurosci.pdf
Russell_etal_2022_JNeurophysiol.pdf
Johnson_&_Triplett_2021_CTDB.pdf

Research Focus (Please select all that apply):

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_____ _____ Neurology, Pediatrics _____

Translational Level:

- ⊗ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	Goal: To determine the impact of visual deprivation on SC circuit organization in control and FXS mice. Objectives: 1) Learn neural tracing techniques. 2) Learn tissue processing, microscopic imaging, and quantitative image analysis. 3) Trace projections from V1 to the SC in control and environmentally enriched groups. 4) Process tissue, image, and analyze data.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	These experiments will leverage techniques and analyses that are well-established in the Triplett lab and, thus, have a high probability of success. First, mice will be placed in standard housing or an environmentally enriched environment (EE) with more room, mice, opportunity for exercise, and sensory stimulation for a period of 3 weeks. Second, mice will undergo a second surgical procedure to trace neuronal projections from V1 to the SC. Third, after allowing one week for dye diffusion, mice will be euthanized via intracardial perfusion, and the brain will be extracted. Brains will be fixed overnight, sectioned and mounted onto glass slides for fluorescent microscopy. Images of termination zones of labeled axons will be acquired and quantified using image analysis software. To achieve sufficient statistical power, an N of at least 9 will be required for each group. Importantly, all mouse lines and reagents are present in the laboratory, reducing any potential delays in the performance of experiments. These experiments represent original, cutting-edge investigations and are likely to yield high-impact results that will be of broad interest to the neuroscience community. Timeline: After a brief period of training to learn the techniques (2-3 weeks), we expect that the experiments outlined will take approximately 1.5 months to complete, including the collection and analyses of all data. The preparation of a manuscript is expected to take another month.
Describe the student's role in the project:	Student will perform all experimental techniques, collect and analyze data, interpret results in collaboration with mentor, and present the findings in written/oral/poster format as appropriate.
Describe the mentor's role in the project:	The mentor or oversee the training of the student in experimental techniques, meet regularly with the student to discuss results and troubleshoot experiments, and aid in the preparation of data for dissemination to the community as a paper, talk, and/or poster. Importantly, the Triplett lab is relatively small, allowing for frequent interactions between the mentor and all members of the lab.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have previously mentored two medical students, including one Gill fellow.

Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ◯ No (Pending) ⊗ No (Not Required)
Please Specify why it is not required:	No human subjects

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-02-2024 4:21pm.

1. Faculty Sponsor

Name: Briony K Varda Degrees: MD MPH Title: Assistant Professor (Pediatrics & Urology), Director of Clinical Research Organization: Children's National Medical Center

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Office Phone:	(202) 476-8243
Email Address:	bvarda@childrensnational.org

2. Daily Supervisor

Name: Butool Hisam Degrees: MBBS MPH Title: Snr Clinical Research Coordinator Organization: Children's National Medical Center

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3. Project Information

Project Title	Spina Bifida Bowel Management Program

Upload up to three faculty publications (within the last three years).
BK Varda 1.pdf
BK Varda 2.pdf
BK Varda 3.pdf

Research Focus (Please select all that apply):

_____

_____ Health Disparities, Kidney Neurosurgery, Pediatrics Public Health, Surgery

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
⊗ T2: Translation to Patients
◯ T3: Translation to Practice
◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	To monitor the service delivery of a structured NP-led bowel management program for patients with Spina Bifida, using an institutional database To detect changes in Neurogenic Bowel Dysfunction Scores (using a validated questionnaire) pre/post transanal irrigation To evaluate associations between Neurogenic Bowel Dysfunction Scores and Quality of Life using validated questionnaires including QUALAS-C and PHQ-9
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This project is focused on retrospective data collection of specific variables amongst children aged 0-21 years with a diagnosis of spinal cord injury, spina bifida, neurogenic bowel, and/or constipation seen in the spina bifida APN clinic for bowel management. Covariables include PHQ-9 scores, initial neurogenic bowel dysfunction scores, quality of life reports, ED visits for constipation in 2022-2024, lesion level, and history of urologic reconstruction. Clinical factors include initial bowel management visit for patients 0-22 years of age seen in either spina bifida clinic (APN, multi-d, adolescent) from September 2022-2024, as well as Emergency visits related to constipation in patients with a diagnosis of spina bifida between September 2022-2024. The data collected will be used to for the purposes of the previously outlined goals & objectives The projects will be defined as original research.
Describe the student's role in the project:	Summer students are likely to perform chart review and data collection for the institutional database, but their time will also primarily be focused on executing a pre-planned project with the support of our structured research team (which includes two research coordinators, 4 core faculty, research fellows and a biostatistician). Students will have the option to follow a hybrid schedule. Students will be asked to participate in the development of a research proposal prior to starting the summer. They will be asked to review data and interpret results with the support of the research team. They will be asked to present "works in progress" during research meetings and learn how to ask for input, process feedback and move projects forward. Ideally the student would be ready to write an abstract by the end of the summer session. Students with an interest in health services or a background using statistical package such as SAS, SPSS, STATA or R will be prioritized. A strong excel skillset is also favored.

Describe the mentor's role in the project:	Students will attend didactics led by faculty focused on providing a practical skill set for conducting research. This includes topics like: "writing a good research objective", "research organization", "how to write a good abstract", "creating effect tables and figures", "basic bio stats for clinical research", "study design", "qualitative research methods", and "concepts in health service research". Our goals as mentors is to provide student with practical foundation for conducting their own research projects in the future. Each mentor will meet with the student prior to the start of summer to formulate a research objective and proposal, which they can then submit for summer funding available through GW. They will lead the student through credentialing and IRB. They will ensure the student hits the ground running at the start of summer and maintains fast-paced 8 we;p,eks focused on creating a research product by the end of the summer. We will also provide career mentorship if the mentee is interested. Students will also have opportunities for clinical shadowing and observing in the OR.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Nearly all students have been awarded Gill or HSR or Fourcroy summer scholar fellowships. Nearly all students have co-authored abstracts in the past, presented at GW REI week, and several students have achieved manuscript publication. In addition to applying for the GW Summer research funding, we are grateful to be able to provide an additional 8-week stipend for all summer research students, for a maximum of $4,800/summer. This is contingent on students keeping time logs and communicating routinely with our clinical research coordinators about study progress. The expectation is that student will attend all research meetings and demonstrate dedication to producing an excellent research product during the time they rotate with us.
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 11-26-2024 9:58am.

1. Faculty Sponsor

Name: Jessica Weisz Degrees: MD Title: Assistant Professor Organization: Children's National Hospital

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2. Daily Supervisor

Name: Rosy Chacon Degrees: MSW Title: Health Educator Organization: Children's National Hospital

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Office Phone:	(202) 476-5580
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3. Project Information

Project Title	Evaluation of Food Pharmacy at Columbia Heights

Upload up to three faculty publications (within the last three years).

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_____
_____

Research Focus (Please select all that apply):

_____

_____ _____ Pediatrics Public Health

Translational Level:

◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
⊗ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	be the first primary care site at Children's National Hospital with a co-located food pharmacy. The overall goal of this project is to evaluate the efficiency and efficacy of the Food Pharmacy. The evaluation will include pre- and post-surveys and facilitated discussions (small group and/or 1:1). The goal would be to do surveys of 50% of families and facilitated discussions with 20 individual families. The student will also summarize findings and contribute to abstract and/or manuscript writing.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	The overall goal of this project is to implement a sustainable Food Pharmacy that addresses health disparities by mitigating food insecurity and increases the services of a medical home. A pilot of this program started in August 2024 and already is demonstrating that the Food Pharmacy meets an unmet need; Columbia Heights initiated universal food insecurity screening for all visit types (not just preventative well visits) and in the first month, the entire monthly distribution was dispersed in two clinic days serving 17 families. Between August and mid-September 2024, 45% of families screened have endorsed food insecurity and total of 241 families have received 482 bags of food. A Children's National resident will be pursing this as a research project and will be spearheading the IRB and research design. The IRB will be submitted before the start of the project this summer and will have the survey drafted/tested before the student starts. The medical student will be working with the resident, the Health Educator, and faculty on evaluation of the study. Results of this study will support further implementation among other outpatient pediatric sites.
Describe the student's role in the project:	Student will be ensuring completion of the surveys and conducting the facilitated discussions. Student may be asked to help organize the food deliveries from the CAFB and organize the bags of food for families.
Describe the mentor's role in the project:	: Faculty will ensure IRB approval, survey design, and support with working with families.
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	Mutiple faculty members involved in this project have supported Gill Fellows in previous years
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-08-2024 9:52am.

1. Faculty Sponsor

Name: Michael Whalen Degrees: MD Title: Associate Professor of Urology; Director, Urologic Oncology Organization: GW Medical Faculty Associates

Address: 2150 Pennsylvania Ave NW, Suite 3-417 City: Washington State: DC Zipcode: 20037

Office Phone:	(202) 741-3121
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2. Daily Supervisor

Name: Michael Whalen Degrees: MD Title: Associate Professor of Urology; Director, Urologic Oncology Organization: GW Medical Faculty Associates

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Office Phone:	(202) 741-3121
Email Address:	mwhalen@mfa.gwu.edu

3. Project Information

Project Title	Oncologic Outcomes Research in Urologic Oncology (Prostate Cancer & Kidney Cancer)

Upload up to three faculty publications (within the last three years).
Cryo in recurrent Pca - Cancers 2024.pdf
income disparities NAC and PLND in BCa - Curr Oncol 2024.pdf
mPCa treatment - ESM 2024.pdf

Research Focus (Please select all that apply):

Cancer

_____ Health Disparities, Kidney _____ Surgery

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ◯ T2: Translation to Patients
- ⊗ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	There is controversy about the contemporary optimal management of locally advanced prostate cancer. Given the high rate of biochemical recurrence after radical prostatectomy surgery in this high-risk category, there may rationale for just proceeding with radiation and androgen deprivation therapy (ADT) as the primary treatment. However, on the other side of the argument, surgical debulking and subsequent adjuvant or salvage radiotherapy may actually offer improved overall survival than radiation +ADT alone. How other factors such as age and Charlson Comorbidity Score play into the decision surgery vs. radiation for these patients adds another layer of complexity to the calculus. This project will query the National Cancer Database to investigate a cohort of locally advanced prostate cancer patients (cT3-4N0-1Mx). Patient sociodemographic and clinicopathologic features will be examined for their association with primary treatment modality (i.e. radical prostatectomy vs. radiation+ADT). Rates of salvage therapy (i.e. postoperative radiation and/or ADT) after prostatectomy will be analyzed. The primary outcome of interest will be overall survival. We have access to the National Cancer Database, which comprises 70% of cancer cases throughout the US. We will search the database for patients with locally advanced prostate cancer (likely ~50,000).

Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	This research project is designed to provide exposure to clinical outcomes research within the field of Urology and Urologic Oncology. The student will engage in critical reading/analysis of published journal articles in the domain of prostate cancer and kidney cancer. The research experience will teach the student how patient clinico-pathologic variables can be assessed with basic statistical methods to derive correlations with multiple clinically relevant study endpoints. The student will gain exposure to these statistical methods as well as work closely the Medical Faculty Associates and GW School of Medicine & Health Sciences biostatisticians. The student will also work very closely with other student members of the Urology Interest Group/Research Collaboration who have done research projects with Dr. Whalen in the past, and therefore serve as an excellent resource for guidance, mentorship, and troubleshooting of research methods. The student will also work closely with a Urology resident mentor to provide clinical context and relevance for the research hypotheses. Further projects using these databases will be possible based on the student's own intellectual curiosity and motivation to develop original ideas/hypotheses for investigation. There will also be opportunity and expectation to contribute to the growing IRB-approved Retrospective and Longitudinal Database of Genitourinary Cancer. The project will last for the summer, with opportunity to extend participation during the academic year. A related project on prostate cancer will explore the trend for older patients to undergo radiation as primary therapy for prostate cancer rather than surgery. We will query the National Cancer Database to explore overall survival of radical prostatectomy vs. radiation+ADT for patients >70yo. A separate project will explore different histologic types of oncocytic neoplasm of the kidney: chromophobe renal cell carcinoma vs. oncocytoma. The project will involve an extensive literature review on the topic to generate an up to date report on radiographic (including novel methods of molecular imaging), histologic, pathologic, and genetics differences between these tumor types with multiple aims: 1. Definitive source for this information to be published in the medical literature; 2. Derive actionable information to guide treatment decisions; 3. An effort to resolve the ambiguity in decision-making for renal mass biopsy that returns as "oncocytic neoplasm." In addition to this narrative review, an empirical component of this project will involve investigation of the Catalogue of Somatic Mutations in Cancer (COSMIC) database and the TCGA (The Cancer Genome Atlas) to explore the mutational landscape of these tumor types and to assess the influence of tumor molecular profile on pathology, histology, and oncologic outcomes such as recurrence-free and overall survival.

Describe the student's role in the project:	The student will take the lead with literature search and drafting the project manuscript with the guidance of the Urology residents and attending supervisor. The student will be responsible for coordination with the biostatistician and assist with interpretation of the statistical results. The goal of the project is for the student not only to learn about outcomes research, but to make a meaningful contribution to the field of Urologic Oncology. There will be opportunity for statistical analysis of the data alongside the professional statisticians as well. The student will work closely with the biostatisticians/senior student mentors to understand the National Cancer Database Participant User File (PUF), including organization, statistical analysis, analysis of outcomes of interest (overall survival, receipt of salvage therapy) and presentation of data in a clear, concise, and meaningful format. There will be ample opportunity for shadowing experiences in the outpatient clinic and the operating room to gain further exposure to clinical Urology. The student will also participate in weekly Urology Grand Rounds and resident didactic sessions to supplement their growing Urologic fund of knowledge.
Describe the mentor's role in the project:	The mentor will provide ample opportunity for discussion of the rationale for the project and the potential ideas for publication arising from the database. The mentor will schedule regular weekly research meetings to assess the student's progress and troubleshoot any questions. The mentor will also invite the student to participate in clinical patient care. One half-day per week will be spent shadowing in the Urology clinic and another day will be spent in the operating room. These mentorship experiences will provide student exposure to the field of Urology and to provide clinical context for the database work. The mentor will also attend regular meetings between the student and the statisticians. The mentor has significant experience in outcomes research as well as basic statistical methods, so is well-equipped to be able to guide the student's interest and success with the project.

Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have worked with many medical students and Urology residents since 2018. Medical students have been involved with published manuscripts in peer-reviewed journals, as well as authorship of review articles and book chapters. Students have presented at numerous local, regional, and even national research meetings and society conferences. I serve as Research Coordinator for the Urology Department. I was awarded the "Outstanding Clinical Instruction" award ("Teacher of the Year") by the Urology residents in June, 2019. Since I began at GW in 2016, our student-championed research team has developed over 70 abstracts for submission to regional, national, and international conferences; and 40 publications in peer-reviewed journals. Summer 2024: 7 students: -Leib Lipowsky (awarded ASCO MSR grant); Jacob Weiss (Gill Fellow); Ryan Matthews (Health Services Scholarship); Stanislav Sobol (Jean L. Fourcroy Research Award); Kris Kokoneshi (Jean L. Fourcroy Research Award); Kurt Rodriguez (METEOR summer research project); Diego Gonzalez (METEOR summer research project) -Summer 2023: 4 students: - Ryan Antar (Health Services Scholarship); Vincent Xu (Gill Fellow); Faozia Pio (ASCO MSR grant); Andeulazia Murdock (Health Services Scholarship)
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	041723
IRB Date:	07/09/2024

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 12-02-2024 11:32am.

1. Faculty Sponsor

Name: Jordan Wickstrom Degrees: PhD Title: Director of Clinical Research Organization: Sinai Hospital

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Email Address:	jwickstrom@lifebridgehealth.org

2. Daily Supervisor

Name: Jordan Wickstrom Degrees: PhD Title: Director of Clinical Research Organization: Sinai Hospital

Address: 2401 W Belvedere Ave City: Baltimore State: MD Zipcode: 21215

Office Phone:	(402) 276-3053
Email Address:	jwickstrom@lifebridgehealth.org

3. Project Information

Project Title	Gait Lab Database Development

Upload up to three faculty publications (within the last three years).

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_____

Research Focus (Please select all that apply):

_____

_____ _____ Orthopedics _____

Translational Level:

⊗ T0/T1: Basic Science Discovery and Initial Translation to Humans
◯ T2: Translation to Patients
◯ T3: Translation to Practice
◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	We aim to develop a retrospective database for all of the orthopedic patients we see in our gait lab for clinical analysis. By developing this dataset, we can explore trends in patient movement patterns (i.e., kinematics and kinetics) throughout their rehabilitation journey (e.g., pre-post surgery, pre-post intervention). Results will be published as appropriate for various conditions, and pilot data will be used to apply to grant funding.
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	Please see project goals and measurable objectives; we aim to complete this retrospective database in 2025. By the time the student starts, we will have received IRB approval and already developed the process for data entry.
Describe the student's role in the project:	Primary role is data entry, but student will learn the gait cycle, how motion capture works, data management skills, and preliminary analysis of the data as it applies to adult patients with orthopedic conditions
Describe the mentor's role in the project:	The mentor will educate the student on the gait cycle, how motion capture works, developing data management skills, and how to conduct preliminary analyses on the data as it applies to adult patients with orthopedic conditions
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	I have directly mentored over 20 PM&R residents in their research efforts as well as over 40 postbaccs; I have only worked with 2 medical students, as they were my research assistants when I was a faculty member at UNO
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	◯ Yes ⊗ No (Pending) ◯ No (Not Required)

Faculty Research Proposal

Please enter the details for your research proposal below.

Thank you!

Response was added on 10-21-2024 5:27pm.

1. Faculty Sponsor

Name: Sarah Wright Degrees: DO, MS Title: Assistant Professor, Of Rehabilitation and Neurology, and of Pediatrics
Organization: CHildren's National Hospital

Address: 111 Michigan Ave NW City: Washington State: D.C. Zipcode: 20010

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Email Address:	swright2@childrensnational.org

2. Daily Supervisor

Name: Sarah Wright Degrees: DO, MS Title: Assistant Professor, Of Rehabilitation and Neurology, and of Pediatrics
Organization: CHildren's National Hospital

Address: 111 Michigan Ave NW City: Washington State: D.C. Zipcode: 20010

Office Phone:	(202) 476-6015
Email Address:	swright2@childrensnational.org

3. Project Information

Project Title	PREPARE JMG: Exploring Demographics and Clinical presentation of children with autoimmune myasthenia gravis

Upload up to three faculty publications (within the last three years).
ELEVIDYS Editorial.pdf
Annals of child Neuro 2024_Access to Therapies_DMD.pdf
_____

Research Focus (Please select all that apply):

_____

_____ _____ Neurology, Pediatrics _____

Translational Level:

- ◯ T0/T1: Basic Science Discovery and Initial Translation to Humans
- ⊗ T2: Translation to Patients
- ◯ T3: Translation to Practice
- ◯ T4: Translation to Population Health

Project goals and measurable objectives (e.g. number of patient records, assays completed):	access 30-50 patient records, obtain demographic, ethnic, clinical presentation, and laboratory data
Overall design of the research project: Please describe the time frame and breakdown of activities. Selection criteria include: The project design makes it likely that the objectives will be achieved The project is likely to result in a report of interest to other scholars The project fulfills discovery/original research	Retrospective Chart Review- 8 weeks. First week-CITI Training/Literature Review Second/Third week-IRB ammendment/Literature review, Fourth -Sixth weeks-Data collection, Seventh-Eighth weeks-Data review, analsys
Describe the student's role in the project:	Data collection, data review, abstract presentation
Describe the mentor's role in the project:	Principles of clinical research, guidance on making a hypothesis for retrospective reviews, creation of data collection methods, understanding basic statistics and data review, basics of abstract writing
Describe the current and previous medical student training by your mentor team. Indicate any Gill Fellows or Health Services Scholars:	NIH Clinical Neurophyisology Fellows, Children's National Neurology Fellows, Mentor for 3 current/prior fellows for research projects, and 1 GW MS4 for prospective research project
Do you have or will you obtain IRB approval for this project? Please note: Students cannot begin a human subjects project without IRB approval.	⊗ Yes ◯ No (Pending) ◯ No (Not Required)
IRB Number:	Pro00016684
IRB Date:	1/28/2022