

BMSC 8219

Feb 22 2021

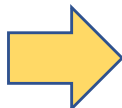

The Biosketch is *not* your CV

SMHS [APT CV required](#) guidelines

The Biosketch tells your story

1. The NIH Biosketch is an overview used by funders
2. Your biosketch should be tuned for each application
3. Contains 4 sections:
 - Personal Statement
 - Positions & Honors
 - Contributions to Science
 - Research Support
4. “New” Biosketch 2021
 - no more D other support, but highlight funding
 - added year by year support documentation

Use NIH Biosketch instructions and forms

	Form Name	Biographical Sketch Format Page (fellowship)
	Description	Prepare biographical sketches for applications and progress reports for fellowship applications and awards.
	How to Access	Fellowship Biosketch (blank format page, Word)
	Instructions	Instructions for Biographical Sketch
	Additional Information	<ul style="list-style-type: none">• Predoctoral Fellowship biosketch sample (Word)• Postdoctoral Fellowship biosketch sample (Word) <p>Try SciENCv to help you develop your biosketch and automatically format it according to NIH requirements.</p>
	Updated Date	March 2020

Use the correct SF 424 forms for your biosketch (check date)

Your Curriculum Vitae is *not* your NIH Biosketch



SciENCv: Science Experts Network Curriculum Vitae

A researcher profile system for all individuals who apply for, receive or are associated with research investments from federal agencies. SciENCv is available in My NCBI.

About SciENCv

- [Background Information](#)
- [SciENCv FAQs](#)
- [YouTube Video: SciENCv tutorial](#)
- [YouTube Video: Integrating with ORCID](#)
- [Recent Changes to NIH Biosketch](#)
- [Provide Feedback](#)

Interfacing with SciENCv

- [SciENCv Data Documentation](#)
- [SciENCv Data Schemas](#)

[Click here to start!](#)

News and Resources

- [SciENCv News](#)
- [SciENCv Presentations](#)
- [SciENCv Help](#)
- [My Bibliography Help](#)

Manage your biosketch online with SciENCv
<https://www.ncbi.nlm.nih.gov/sciencv/>

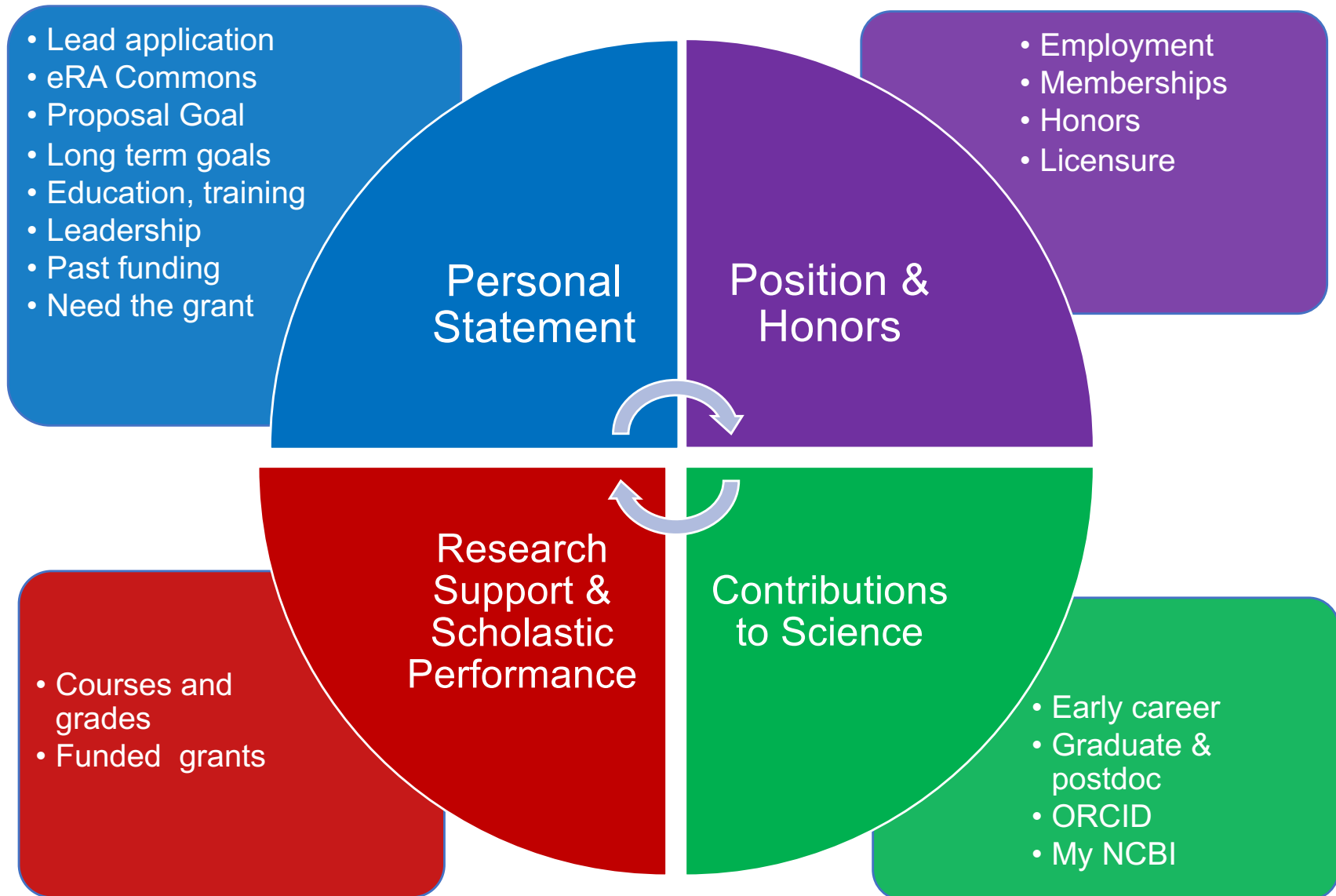
Anyone with a MyNCBI account can use SciENCv

Address Review Criteria in Biosketch

Candidate

- Does the candidate have the **potential** to develop as an **independent** researcher?
- Are the candidate's prior training and research experience **appropriate** for this award?
- Is the candidate's academic, clinical, and research **record of high quality**?
- Is there **evidence of the candidate's commitment** to become an independent investigator in research?

Your Biosketch Contains



Personal Statement

- Lead application
- eRA Commons
- Proposal Goal
- Long term goals
- Education, training
- Leadership
- Past funding

Personal Statement

Modify for each grant application

Why you are suited for your role

Name names/grant

Long term research goals

Relevant training or technical expertise

- Past funding awards
- Career motivation
- Collaborators/environment

Can briefly describe any impediments

- Family care, illness, active military service

Add up to 4 publications or “research products”

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Robertson-Chang, Leilani

eRA COMMONS USER NAME (credential, e.g., agency login): RobertsonL

POSITION TITLE: Graduate Student Research Assistant

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	START DATE MM/YYYY	END DATE MM/YYYY	FIELD OF STUDY
Swarthmore College	BA	08/2008	05/2012	Biology
UC San Diego	PHD	08/2012	05/2018	Molecular Biology

A. Personal Statement

My long term research interests involve the development of a comprehensive understanding of key developmental pathways and how alterations in gene expression contribute to human disease. My academic training and research experience to date have provided me with an excellent background in molecular biology and microbiology. While in high school I was awarded an NIH Diversity Supplement award to work as a research technician for two summers in Dr. Indira Creative's lab at the University of Hawaii. As an undergraduate at Swarthmore College, I conducted research with Dr. Xavier Factor on the mechanisms of action of a new class of antibiotics. This resulted in a co-authorship publication, as well as an invitation to present a poster at the annual Antibiotica meeting in Denver, Colorado. For my graduate training at UC San Diego, I have moved into the fields of genetics and biochemistry by studying the regulation of transcription in yeast, under Dr. Tanti Auguri. Dr. Auguri is an internationally recognized leader in the field of yeast genetics and has an extensive record for training predoctoral and postdoctoral fellows. Along with giving me new conceptual and technical training, the proposed training plan outlines a set of career development activities and workshops – e.g. public speaking, literature analysis, biomedical ethics, and career options. For my initial project I am currently developing a novel protocol for the purification for components of large transcription complexes which I hope to submit as a first author publication in the next few months. As a native Hawaiian, I am the first in my family to graduate from college so I am excited to keep pushing forward with my education. Overall, I feel that my choice of sponsor, research project, and the training I will get from this fellowship will give me a solid foundation for my long-term goal to become an academic researcher.

1. Robertson-Chang L, Factor X. Testing the ability of antibiotic Gen Y to kill Gram-negative bacteria. Antibiotica annual meeting: 2011 September, Denver, CO.

Example of Personal Statement

I am an Assistant Professor of Medicine at the University of Alabama at Birmingham (UAB) and the Principal Investigator of this Career Development Award. The focus of my K23 is to develop and test a behavioral intervention for chronic pain in HIV-infected patients. My long-term goal is to become a successful independent investigator focusing on improving pain, physical, and emotional function in HIV-infected patients with chronic pain, and to develop and test behavioral interventions in this area, including conducting behavioral clinical trials. This is an important emerging field in which there is limited knowledge.

Mention the grant

Long term goal

I have completed a Center for Clinical and Translational Science pilot grant, and 18 months of a two year institutional K12 Patient-Centered Outcomes Research Career Development Award. During this time, I have investigated the relationship of pain and outcomes in HIV-infected patients, adapted and tested a Brief Chronic Pain Screening Tool in HIV-infected patients, and conducted qualitative interviews to understand the chronic pain experience in HIV-infected patients. I have also received targeted mentorship in psychometrics and qualitative research, and taken corresponding courses at the UAB School of Public Health, in addition to the core quantitative coursework series that I am currently completing.

Your strengths

My pilot grant and K12 have provided me with the opportunity to receive initial research training, conduct investigations that will serve as the foundation for the work I propose in my K23 application, and write first author manuscripts that have been accepted by peer-reviewed journals. I have also achieved national recognition in my field. I received an American Academy of Hospice and Palliative Medicine Young Investigator Award; developed a module on HIV and chronic pain for the NIH Pain Consortium Center of Excellence in Pain Education; serve on the Infectious Diseases Society of America's HIV and Pain Guidelines Panel; and am a

Core Faculty member of the IAS-USA, in which I lecture on HIV and chronic pain. However, in order to complete the project described here, achieve my long-term career goals, and become an independent investigator, I need additional training in health psychology/mental health and chronic pain behavioral intervention development and testing. I have selected an excellent mentorship team, led by Dr. Michael Saag, with co-mentors Drs. Mallory Johnson and Robert Kerns. My mentors have extensive and complementary areas of expertise in health psychology/mental health (Johnson), chronic pain behavioral intervention development and testing (Kerns), and behavioral clinical trials within cohorts such as CNICS (Saag), plus a strong track record of mentoring junior investigators.

You need grant

In sum, the proposed career development award will provide critical support for my transition to a career as an independent physician-investigator, focusing on developing and testing behavioral interventions for chronic pain in HIV-infected patients.

Merlin K23

Positions and Honors

Experience

Employment -- resident, fellow

Honors-- describe

Professional Societies

Licensure

Positions/ Honors

- Employment
- Memberships
- Honors
- Licensure

Example of Positions & Honors

Employment

- 2005-2008 Resident in Internal Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA
2008-2010 Fellow in Infectious Diseases, Hospital of the University of Pennsylvania, Philadelphia, PA
2010-2011 Fellow in Palliative Medicine, Mt. Sinai School of Medicine, NY, NY
August 2011- Assistant Professor, Department of Medicine, Divisions of Infectious Diseases and Gerontology, Geriatrics, and Palliative Care, University of Alabama at Birmingham, Birmingham, AL

Honors

- 2000 Phi Beta Kappa
2001 Phi Kappa Phi Graduate Fellowship
2003 Norman V. Weschler Fellowship for MBA Studies
2008 College of Palliative Care Scholarship Award
Mary E. Groff Fellowship in Clinical Research Methods, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania
Penn Pearls Teaching Award, University of Pennsylvania School of Medicine
2010 Infectious Diseases Society of America Conference Travel Grant
2010 Certificate in Clinical Epidemiology, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania
2011 American Academy of Hospice and Palliative Medicine Young Investigator Award
2011 International Association of Hospice and Palliative Care Travel grant for travel to Vietnam
2011 American Academy of Hospice and Palliative Medicine Mentorship Program award
2011 Advanced Illness and Multimorbidity (AIM) Scholar, University of Alabama at Birmingham
2013 American Academy of Hospice and Palliative Medicine Research Scholar
2014 Tinsley Harrison Teaching Scholar
2014 Research Supplement Award based on the UAB Department of Medicine Research Metrics Survey (includes grant funding, publications, and external lectures given)
2014 Faculty participant, Chief Resident Immersion Training Program in Addiction Medicine, Boston University

Professional Societies and Committees

- 2010-present Infectious Diseases Society of America
2010-present Infectious Diseases Society of America HIV and Pain Guidelines Panel
2008-present American Academy of Hospice and Palliative Medicine
2010-2011 International Association of Hospice and Palliative Care

Contributions to Science- can feel tricky

Up to 5 contributions to science, each with
Background of problem
Central findings
Influence of findings
Role in the work
up to 4 citations

Reflect periods of research or project
early career-postbac IRTA
medical/ grad research
research in residency
fellowship research

Link to complete contributions
ORCID and MyNCBI

- Early career
- Graduate & postdoc
- ORCID
- My NCBI

Contributions

Contributions can be lots of products

Journal articles, book chapters

Audio or video products,

patents, databases and research materials,

educational curricula, instruments or equipment, models,

protocols, software or netware

URLS are not permitted in biosketch or application!!

(can put “non-standard” items in My NCBI bibliography)

3. Throughout my training, I have been productive and my research has been inspired by the patients I care for at my HIV clinic. This manuscript presented 2 cases where fecal microbiota transplant was used to successfully treat refractory infection in patients who were immunocompromised. It provided insight into a relatively new technique of therapy for this patient population, potentially impacting the care patients may receive in the future with this condition.
 - a. **Elopre L, Rodriguez M.** Fecal Microbiota Therapy for Recurrent Clostridium difficile infection in HIV-infected Individuals. *Annals of Internal Medicine.* 21 May 2013, Vol 158. No. 10.

After Contribution to Science, add link to complete bibliography

Complete List of Published Work in My Bibliography:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/1hGkixBSJTAQQ/bibliography/48903979/public/?sort=date&direction=ascending>

ORCID digital identifier that distinguishes you from every other researcher, links to manuscript and grant submissions (free registration). <https://orcid.org/>
Mandatory as of Jan 2020

<https://orcid.org/0000-0002-1825-0097>

B. Positions and Honors

+ Positions and Employment

2007 - 2008	Lab Technician, University of Hawaii
2012 -	Graduate Student Research Assistant, UC San Diego

Other Experience and Professional Memberships

2007 -	Member, Association for Women in Science
2009 -	Member, Sigma Xi

Honors

2007 - 2008	Diversity Supplement, National Institutes of Health
2008	Scholarship, Daughters of Hawaii Society
2008 - 2012	Scholarship, National Merit Scholarship Program
2012	Paula F. Laufenberg award for best senior project in the Biology Department, Swarthmore College

C. Contribution to Science

1. **High School Research:** I spent two summers doing research in the laboratory of Dr. Indira M. Creative at University of Hawaii, funded by a NIH Diversity Supplement award. Dr. Creative has developed several new anti-fungal drugs that might protect against skin infections. Over the course of two summers I set up in vitro cultures of skin cell lines and conducted a wide range of toxicity assays. We were excited to find that one of the new agents showed almost no toxicity, even at fairly high doses. Dr. Creative is now testing the drug in animals exposed to different types of fungal infections, including *Candida albicans*.
 - a. Footman B, Eisser JK, Robertson-Chang L, Creative IM. Testing XXH for toxicity in vitro. University of Hawaii Research Symposium; 2008 May; Manoa, HI.
2. **Undergraduate Research:** I was part of a project in the laboratory of Dr. Xavier Factor at Swarthmore College. Dr. Factor's laboratory studies the mechanisms of action of antibiotics. During my time in his lab I was looking at how a new antibiotic, Gen Y, is able to unravel bacterial DNA. My contributions to this work were included in a publication recently accepted in Cellular and Molecular Biology. The work was particularly exciting because it looks like the mechanism used by Factor Y might be completely novel, making it a potential candidate for treating patients infected with antibiotic resistant organisms. Dr. Factor was recently awarded a patent for this new drug.
 - a. Nieman PY, Robertson-Chang L, Factor X. Gen Y: a novel antibiotic with DNA unwinding abilities. Cellular and Molecular Biology. In press.
 - b. Robertson-Chang L, Factor X. Testing the ability of antibiotic Gen Y to kill Gram-negative bacteria. Antibiotica annual meeting; 2011 September; Denver, CO.
3. **Graduate Research:** My ongoing predoc research is focused on transcriptional gene regulation in *Saccharomyces cerevisiae*. I believe the results from my research will likely be highly relevant to human health as they will provide new details into the workings of complex biological systems, which will allow for further extrapolations into the development of certain diseases and their progression. I am currently developing a novel protocol for the purification of components of large transcription complexes which I hope to submit as a first author publication in the next few months.

Examples of Contributions to Science

1. My research has identified the importance of disclosure of HIV infection status for patients establishing HIV care. This research first looked at predictors of HIV disclosure and highlighted that persons presenting with more advanced disease and who were black were more likely to report nondisclosure of their HIV status. Then, following this cohort 12 months after establishing care, we found that those who reported nondisclosure upon entering care were more likely to have poor retention in care. This work highlighted how the support, whether social, physical or mental, received by patients when entering care can effect HIV outcomes that have been linked to increased morbidity and mortality.

- a. Van Wagoner N, **Elopre L**, Westfall AO, Mugavero MJ, Turan J, Hook EW. Reported Church Attendance at the Time of Entry into HIV Care is Associated with Viral Load

Background
Findings
Role
impact

3. **Intervention development, implementation and evaluation across the HIV care continuum:** Our research team has made extensive contributions to the field in generating evidence-informed interventions to enhance HIV care engagement, including linkage, retention and re-engagement in care. I am senior author of the first intervention proven efficacious to enhance retention in care via a multi-site randomized clinical trial (3b). I also served as interventions sections chair for evidence-based recommendations for engagement in care and ART adherence, leading a systematic review and synthesis of the literature (3c).

- a. Gardner L, Marks G, Craw J, Wilson T, Drainoni ML, Moore R, **Mugavero M**, Rodriguez A, Bradley-Springer L, Holman S, Kenyatta C, Sullivan M, Skolnik D, Melitz F, Metsch L, Bener L, Giordano T, A

“This project resulted in 10 peer reviewed articles, 2 national presentations, 4 international presentations.”

D. Additional Information: Research Support and/or Scholastic Performance

Scholastic Performance

YEAR	COURSE TITLE	GRADE
SWARTHMORE COLLEGE		
2008	Cellular and Molecular Biology	A
2008	Foundations of Chemical Principles	A
2009	Organismal and Population Biology	B
2009	Omics	B
2008	First Year Seminar: Nation and Migration	A
2009	Statistics, Probability, and Reliability	A
2009	Calculus I	B
2009	General Physics I	B
2009	Introductory Chemistry	A
2009	Organic Chemistry	B
2010	American Literature	B
2010	General Physics II	B
2010	Organic Chemistry II	B
2010	Microbial Pathogenesis and the Immune Response	A
2010	Introduction to Cognitive Science	A
2010	Biological Chemistry	B
2011	Anthropology of Childhood and the Family	A
2011	Disease, Culture, and Society in the Modern World	A
2011	Human Genetics	A
2011	Senior Project	A
2011	Bioinformatics	B
2012	Cell Biology	A
2012	Physics in Modern Medicine	A
2012	Genomics and Systems Biology	A
2012	Senior Project	A
UC SAN DIEGO		
2012	Seminar in Genetics	P
2013	Statistics for the Life Sciences	P
2013	Ethics in Biological Research	CRE
2014	Seminar in Physiology and Behavior	P

Except for the scientific ethics course, UC San Diego graduate courses are graded P (pass) or F (fail). Passing is C plus or better. The scientific ethics course is graded CRE (credit) or NC (no credit). Students must attend at least seven of the eight presentation/discussion sessions for credit.

Research Support

List ongoing and completed research from last three years

- Indicate overall goal of the project and your role
 - Do not indicate person months
 - Do not indicate direct costs
- Do not confuse with “other support”

- Courses and grades
- Funded grants

Research Support

NIH Biosketch (Fellowship) Rubric	Points available
Used NIH biosketch format	2 pts
Included commons user name	0 pt
Education/Training complete	2 pts
Personal Statement- why are you well suited for this project? Previous training, research , technical expertise, collaborators or current environment, Highlight up to four publications or research products Address any factors that may have affected your past productivity	2 pts
Positions and Honors List positions in chronological order List any relevant academic and professional achievements/honors	2 pts
Contributions to Science Describe up to 5 most significant contributions to science.	4 pts
additional information research support and/or scholastic performance	2 pts

See Sample Successful Applications

University of Alabama Birmingham Grants Library

<https://www.uab.edu/ccts/research-commons/grant-help/proposal-development/grant-library>

Samples

- **NIH/AHRQ Rigor and Transparency Requirements**
- **Biosketches**
- **FORMS-E**
- **Congressionally Directed Medical Research Program (CDMRP)**
- **Private/Nonprofit Funding Organizations**
- **Institutional Resources/Facilities Pages**

Federal Grant Series

- **National Institutes of Health: F**
- **National Institutes of Health: K**
- **National Institutes of Health: R**
- **National Institutes of Health: T32**
- **National Science Foundation (NSF)**

K01-NHLBI-FY17-ASLIBEKYAN

K01-NIDDK-FY15-CARSON A

K01-NCI-FY15-CARSON T

K01-NIDDK-FY15-HABAGGER

K07-NIA-FY15-LOCHER

K08-NHLBI-FY15-WOODWORTH

K12-NICHD-FY15-ANDREWS

K18-NIDCD-FY15-BOPPANA

K22-NIMH-FY15-NAKAZAWA

K23-NIAMS-FY15-DANILA

K23-NIDDK-FY15-DUBAY

K23-NIMH-FY17-ELOPRE

K23-NIDDK-FY15-JUDD

K23-NHLBI-FY15-LEBENSBURGER

K23-NIMH-FY15-MERLIN

K23-NIDDK-FY15-SEIFERT

K24-NHLBI-FY15-LIMDI

K24-NHLBI-SAFFORD

K99-NIDC-FY15-AMM

You can't win the game if you don't know the rules

NIH Biosketch instructions

<https://grants.nih.gov/grants/forms/biosketch.htm>

ORCID

<https://orcid.org/>

My Bibliography

<https://www.ncbi.nlm.nih.gov/books/NBK53595/>

eRA Commons account

- CRI contact Stephanie Bair sbair@childrensnational.org
- GW contact Kai-Kong Chan kkchan@email.gwu.edu

Edits

- GW Alison Hall akhall@gwu.edu
- CNH / GEP Stephan Ladish sladisch@childrensnational.org

NIH Biosketch (Fellowship) Rubric	Points
Used NIH biosketch format	2 pts
Included commons user name, ORCID, MyNCBI	1 pt
Education/Training complete	2 pts
<u>Personal Statement-</u> why are you well suited for this project? Previous training, research, technical expertise, collaborators or current environment Highlight up to four publications or research products Address factors that affected your past productivity	2 pts
<u>Positions and Honors</u> List positions in chronological order List academic & professional achievements/ honors	2 pts
<u>Contributions to Science</u> Describe up to 5 significant contributions to science	4 pts
Additional information research support and/or scholastic performance	2 pts