



Department of
**BIOCHEMISTRY &
MOLECULAR MEDICINE**
Event

Eleventh MS Biochemistry-Bioinformatics Graduate Student Symposium

April 29, 2019
Ross Hall Room 229
10 AM – 3:45 PM

Session 1

Time

Speaker

10:00 AM – 10:05 AM

Dr. Jack Vanderhoek *Welcome and introduction*

10:05 AM – 10:30 AM

Prathima Vembu “Temporal regulation of cytokine mediated gene expression changes upon genetic intervention of histone deacetylase 6 in melanoma” (Dr. Villagra)

10:30 AM – 10:55 AM

Sophiya John Ephrame “Analysis of the Role of HDAC6 on MITF pathway, in the Pathogenesis of Melanoma” (Villagra)

10:55 AM – 11:20 AM

Pavlos Bousounis “SNV²: A computational framework for the detection of co-expressed variants” (Dr. Horvath)

11:20 AM – 11:30 AM

Coffee

11:30 AM – 11:55 AM

Angela Maggio “Impact of endocrine disruptors on the sperm methylome: a risk factor for Autism?” (Dr. Hu)

11:55 AM – 12:20 PM

Jessica Debski “Impact of endocrine disruptors on small RNA expression in sperm: a risk factor for autism spectrum disorder?” (Dr. Hu)

12:20 PM – 12:45 PM

Afnan Mohammed A. Alhumaidi “Investigation of the Role of O-GlcNAcylation in Medulloblastoma” (Dr. Pei).

12:45 PM – 1:15 PM

Lunch



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Session 2

Time

Speaker

1:15 PM – 1:20 PM

Dr. Rong Li *Remarks from the biochemistry department chair*

1:20 PM – 1:45 PM

Yao Ren “Metagenomics analysis for microbial dark matter in healthy human gut microbiome” (Dr. Mazumder)

1:45 PM – 2:10 PM

Reza Mousavi Jafarabad “Identification and analysis of highly expressed genes across multiple normal tissues in human and mouse and their expression status in cancers associates with these tissues”(Dr. Mazumder)

2:10 PM – 2:35 PM

Deborah Micael “Magnesium supplementation and Diabetes Type II incidence” (Dr. Qing Zeng).

2:35 PM – 2:45 PM

Coffee

2:45 PM – 3:10 PM

Alexis Dean “Alteration of proteins that promote transformation of differentiated hepatocytes by HCV-derived non-coding RNA” (Dr. Kumar and Dr. M. Dimri)

3:10 PM – 3:35 PM

Michael Hirezi “A Deep Learning Approach to Classifying Pathology of Cancer Cell Lines Using Word Embeddings of Genetic Attributes” (Dr. Qing Zeng)

3:35 PM – 3:45 PM

Dr. Jack Vanderhoek, *Prize Award Ceremony & Closing Remarks*