

BME 366: Foundations of Biomedical Data Science
Final Project Presentations, Spring 2023, 1:30PM – 2:20PM, MJIS 1097

April 17, Monday

- Title:** Exploring the Relationship between Vitamin D and Autoimmune Thyroid Diseases
Authors: (Group 11) Megha Gupta and Jonah Carter
- Title:** Epigenome Wide-Analysis Of DNA Methylation Levels Across Patients with Social Anxiety and Panic Disorders
Authors: (Group 10) Madelyn Chadwick, Iris Layadi, Shiv Shukla
- Title:** Identification of Similar Mutation Patterns Among Seemingly Unrelated Cancers
Authors: (Group 14) Naomi Surburg and Olivia Loesch

April 19, Wednesday

- Title:** HPV and Squamous Cell Carcinoma Genomic Connection
Authors: (Group 1) Maggie Hanlon, Elyse Zurawski, and Grace Stephenson

April 21, Friday

- Title:** TBD
Authors: (Group 4) Pendyala, Ranya / Salyers, Grace / Sembian, Sathveka
- Title:** Exploring Gene Expression Between Glioblastoma and Medulloblastoma
Authors: (Group 3) Rama Coimbatore, Shreya Kurdukar, Radhika Kulkarni
- Title:** COVID-19 virus protein structure difference comparison and prediction between variants through machine learning
Authors: (Group 6) Kunlun Wang, Xihui Zhao

April 24, Monday

- Title:** Analyzing Gene Expression Commonalities Between HCC and HCV
Authors: (Group 7) Hill, Jacob / Smiley, Reagan / Toney, Morgan
- Title:** Computational analysis of the gut proteome and clinical factors in the context of IBD.
Authors: (Group 2) Maya Federle, Molly Tredway, Diya Sakhrani
- Title:** TBD
Author: (Group 12) Andy Huang

April 26, Wednesday

- Title:** The correlation between sleep deprivation and Alzheimer's Disease
Author: (Group 13) Sydney Loudermilk, Bryce Johnston, Neha Rajeev
- Title:** Commonalities between Neuropsychiatric and Neurodegenerative Diseases
Authors: (Group 9) Aavya Srivastava, Keya Mahtani, Caitlyn Schmeiser
- Title:** The influence of the gut microbiome and genetics on A1C Levels and Type 2 Diabetes
Authors: (Group 5) Chloe Kim and Elizabeth Murphy

April 28, Friday

- Title:** Finding biomarkers for type 2 diabetes in the gut and nares microbiome
Author: (Group 15) Sean Devaney
- Title:** TBD
Authors: (Group 8) Kamagere, Vishnu / Ranganathan, Shivi / Subramanian, Kaushik