

TEMPLE UNIVERSITY

CST PSM PROGRAMS

Spring 2024 Capstone Project Presentation Event

Date: Friday, May 3, 2024

Time: Morning Session (9 AM–12 PM); Afternoon Session (1:30 PM–4:30 PM)

Location: Tuttleman 301AB

Light refreshments will be served at both sessions

Presenters

Morning

Jamie Bregman, Bioinformatics & Biological Data Science

Investigating the Conditional Probabilities of Duplicate Gene Retention After Consecutive Whole Genome Duplication Events in Dicots

Saamia Farooki, Bioinformatics & Biological Data Science

Identifying Pediatric Acute Myeloid Leukemia Biomarkers With Olink-Based Analysis Pipelines

Ayna Mammedova, Bioinformatics & Biological Data Science

Cell-specific Cleavage and Polyadenylation Site Identification and Annotation Using Long-read and Short-read RNA Sequencing Data

Brigham Rhoads, Bioinnovation

Adolescent Social Isolation Leads to Sex and Region-Specific Effects in Microglia Proliferation in the Reward System of Adult Mice

Solomon Scott, Cyber Defense and Information Assurance

Red Hat System Hardening Guide

Rutvik Patel, Cyber Defense and Information Assurance

Unveiling Threads to TUHS Org on Dark Web

Mariam Hazali, Cyber Defense and Information Assurance

Digital Forensic Methodologies for Incident Detection (DFM-ID)

Siddhant S Pathak, Cyber Defense and Information Assurance

Unleashing IoC Detection

Afternoon

Suravi Ray, Biotechnology

Targeting TRPC Channels for Control of Arthritis-Induced Bone Erosion

Rita Hartogs, Biotechnology

Boosting ALCAM Expression in Leukocytes for the Treatment of NeuroHIV

Hiba Kamal, Biotechnology

SMARCC2 as a Therapeutic Target in Hepatocarcinogenesis

Deborah Grove, Biotechnology

Prevention by Delay: IER3IP1 as a Therapeutic Target of SCFAs

Devin Schecter, Biotechnology

Qualifying and Expanding the Scope of a Proprietary Biochip for Eventual On-Site Rapid Testing of Various Relevant Diseases

Kristen Campo, Biotechnology

The Characterization and Stabilization of Monoclonal Antibody Drug Products: HSA Protein Stabilizer Co-Formulations

Anh Ngo, Biotechnology

Biological Implications of Protein Quaking in Pathogenesis of Hepatocellular Carcinoma