

## **2023-2024 Student Research Fellowship Recipients**

### **Peter Morgane Fellowship Awardees and Mentors**

Fajar Alam, Britany Opoku and Asma Saeed Class of 2025

Persons with Alzheimer's and their Caregivers Experience with TauRx's Treatment HMTM

Mentor: Dr. Richard G. Stefanacci

Kaitlyn Belknap Class of 2026

Immune Regulation in the Tumor Microenvironment of Multiple Myeloma in the Context of Obesity

Mentor: Dr. Michaela Reagan

Kailey Carota Class of 2024

The 5-Factor modified frailty index as a predictor of adverse events following lateral lumbar interbody fusion

Mentor: Dr. Neil Patel

Samantha Dunn Class of 2026

Quality of Life and Cosmetic Outcomes in Clinical Trial Participants with High-Risk Breast Cancer

Receiving Neoadjuvant Chemotherapy and Immunotherapy +/- Radiation Therapy

Mentor: Dr. Alice Ho

Olivia Esteireiro Class of 2026

Use of Group Ketamine-Assisted Therapy (KAT) for Mental Health Promotion

Mentor: Dr. Selma Holden

Samaa Fadel Class of 2025

Does Acyl CoA Synthetase Long Chain Family Inhibition with Triacsin-C Hinder Multiple Myeloma Cell Proliferation and Survival?

Mentor: Dr. Michaela Reagan

Tsunagu Ichikawa Class of 2026

The Myokine Irisin Enhances Osteocyte Mechanosensitivity

Mentor: Dr. Eben G. Estell

Hunter Scott Class of 2026

Sex-dependent Differences in Local Joint Endogenous Inhibition Protects Males From Osteoarthritis Joint Pain Compared to Females

Mentor: Dr. Tamara King

Grace Simonson Class of 2026

Alleviating Worries of Dementia Among Older Adults Who Attend an Aging Brain Seminar

Mentor: Dr. Susan Wehry

Neda Toutouchi Shabestari Class of 2025

Management and Treatment of Patient with COVID-19 in Long Term Care

Mentor: Dr. Jabbar Fazeli

Jonathan Volpe Class of 2026

Effect of Noxious Electrical Stimulation on Pressure Pain and Heat Temporal Summation in Healthy Older Adults

Mentor: Dr. Kathleen Rudolph

### **Kahn Scholars Fellowship Awardees and Mentors**

Gabriel DeOliveira Class of 2026

Investigating The Effects of Resiniferatoxin on Tibial Peptidergic Sensory Neurons

Mentor: Dr. Kathleen Becker

Dengyumei Du Class of 2026

Investigating the differences in nociception (baseline sensitivity) of male and female *Drosophila* *Melanogaster* and examine the sex differences in nociceptors morphology

Mentor: Dr. Geoffrey Ganter

Joseph Fogarty Class of 2026

Influence of Electrical Stimulation Frequency on Pain Inhibition

Mentor: Dr. Katherine Rudolph

Rachelle Mendola Class of 2026

Activity-dependent genetic labeling of corneal neurons in the spinal trigeminal nucleus and lateral parabrachial nucleus in response to corneal pain pre and post lacrimal gland excision

Mentor: Dr. Ian Meng

Benjamin Mugg Class of 2026

Variable NGF expression may explain pain differences across stages of osteoarthritis

Mentor: Dr. Tamara King

Madison Philhower Class of 2026

Nerve Conduction Study in a Tat Induced HIV-associated Sensory Neuropathy Model

Mentor: Dr. Ling Cao

Soumya Sabbella Class of 2025

An Anatomical Basis for Slipping Rib Syndrome: Mapping Intercostal Nerves 8-10

Mentor: Dr. Joel Talsma

James Withers Class of 2025

The interrelationship of concussion-related sleep disruption and symptoms of depression and anxiety among high school-aged athletes

Mentor: Dr. Paul Berkner