

### 2022-2023 Student Research Fellowship Recipients

TO: UNE COM faculty, staff, and students  
FROM: UNE COM Research & Scholarship Committee  
DATE: April 4, 2022

The UNE COM Research Committee would like to congratulate the following UNE COM students who received the 2022-2023 Peter Morgane and Kahn Foundation Student Research Fellowships. Funding support was provided by the UNE College of Osteopathic Medicine, the UNE Office of the Associate Provost of Research and Scholarship, and the Kahn Family Foundation.

#### Peter Morgane Student Research Fellowship

- 1. Alyssa Ahern (Class of 2023) & Carla Champagne (Class of 2025)**  
**Project title:** Perceived Importance and Success of Integration of Concepts of Diversity and Inclusion, Wellness, and Personal Growth at UNE COM  
**Mentor:** Hwyda Arafat, MD, PhD, UNE COM
- 2. Raghu Bhardwaj (Class of 2025)**  
**Project title:** The Effect of miR-27a and miR-27b Ablation on Enhancement of Beige Adipocyte Activation and Thermogenesis  
**Mentor:** Aaron Clifford Brown, A.A., B.S., Ph.D., U. of Maine and Tufts U. School of Medicine
- 3. Emily Caron (Class of 2025)**  
**Project title:** The Bridge Program Study: An Integrative Program to Address Substance Use Disorder  
**Mentors:** Sarah Hipkens, MD, Maine Medical Center
- 4. Vrushabh Daga & Prakash Patel (Class of 2025)**  
**Project title:** The Impact of Prophylactic Ceftriaxone Treatment on Antimicrobial Resistance Development by Colonizing Microbes  
**Mentor:** Meghan May, PhD, MS, UNE COM
- 5. Kaye Dandrea & Teresa Willaims (Class of 2024)**  
**Project title:** File of Life™: Optimization for Patients and Emergency Medical Services (EMS) Personnel  
**Mentor:** Marilyn R. Gugliucci, MA, PhD, UNE COM

- 6. Aditi Desai (Class of 2025)**  
**Project title:** Impact of Group Ketamine Assisted Psychotherapy on Psycho-spiritual Growth and Wellbeing  
**Mentor:** Selma Holden, MD, MPH, MS, UNE COM
- 7. Thaddeus Gunther (Class of 2025)**  
**Project title:** The effect of the GABA agonist muscimol on cancer-induced break through bone pain  
**Mentor:** Tamara King, PhD, UNE COM
- 8. Daria Ivenitsky (Class of 2024)**  
**Project title:** The Association Between Electroencephalographic Epileptiform Changes and Discontinuity with Hemodynamic Changes during Anesthesia Induction in Human Infants  
**Mentor:** Jerry Chao, MD, Montefiore Medical Center, NY
- 9. Bridget Kelly (Class of 2025)**  
**Project title:** Outcomes in Early-Onset Pancreatic Cancer in Maine  
**Mentor:** Timothy L. Fitzgerald, MD, Maine Medical Center
- 10. Grace Linder (Class of 2025)**  
**Project title:** Mitigation of Major Hip Injury due to fall in an At-Risk, Older Adult Population  
**Mentor:** Richard G. Stefanacci, DO, MGH, MBA, AGSF, CMD, Thomas Jefferson U., Jefferson College of Population Health
- 11. Allison Loeffler (Class of 2024)**  
**Project title:** Time to Treatment: Characterizing the Current Landscape of Intracranial Hemorrhage Management in Patients on Oral Anticoagulation and the Role of Interfacility Transport Leading to Potential Delays in Care  
**Mentor:** Jason Wilson, MD, U. of South Florida at USF Morsani College of Medicine, Tampa General Hospital Emergency Department
- 12. Maria Mazzu (Class of 2025)**  
**Project title:** Intense Palliative Care: Improving the Process of Palliative Ventilator Withdrawal Among Critically Ill Older Adults  
**Mentor:** Corey R. Fehnel, MD, MPH, Marcus Institute for Aging Research, Beth Israel Deaconess Medical Center
- 13. Chuhaio Nie (Class of 2024)**  
**Project title:** Characterization of individuals with chronic pain in the state of Maine using the Behavioral Risk Factor Surveillance System (BRFSS) data  
**Mentor:** Ling Cao, PhD, MD, UNE COM
- 14. Mikayla Sargent (Class of 2025)**  
**Project title:** LGBTQ+ Sex Education Information: Ascertainning What Parents of LGBTQ+ Youth Want to Know (Pilot Study)  
**Mentor:** Brandy Brown, AA, BSW, MSW, The Gender Clinic at The Barbara Bush Children's Hospital, MMC

**15. Nicholas Sian (Class of 2025)**

**Project title:** Investigating Differences of Neuroplasticity in the Osteoarthritic Knee of Female Compared to Male Models

**Mentor:** Tamara King, PhD, UNE COM

**16. Isabel Smith (Class of 2024)**

**Project title:** Improving Access to Gender-Affirming Top Surgery for Transgender Patients

**Mentor:** Marilyn R. Gugliucci, MA, PhD, UNE COM

**17. Cameron Toohey (Class of 2025)**

**Project title:** Characterization of Loeys-Dietz Syndrome type 4 missense mutations in TGF- $\beta$ 2

**Mentor:** Timothy A Springer, PhD, Harvard Medical School

**18. Hunter Williams (Class of 2024)**

**Project title:** Evaluation of prognostication tools to stratify patient outcomes treated with Targeted Temperature Management (TTM)

**Mentor:** Richard Riker, MD, Maine Medical Center

### The Kahn Family Foundation Funds

**1. Michael Alen (Class of 2025)**

**Project title:** Examining potential sex differences in salivary nociceptive markers in a rat model of TMJOA

**Mentor:** Tamara King, PhD, UNE COM

**2. Hayley Gibson (Class of 2025)**

**Project title:** Youth Concussion Project

**Mentor:** Paul Berkner, DO, UNE COM

**3. Ahmad Kohsar (Class of 2024)**

**Project title:** Identifying potential drugs that could treat Tat-associated HIV sensory neuropathy through bioinformatic analysis

**Mentor:** Ling Cao, MD, PhD UNE, COM

**4. William White (Class of 2025)**

**Project title:** Investigating the time course of UV injury-induced behavioral hypersensitivity in *Drosophila Melanogaster* and examining changes in dendritic morphology

**Mentor:** Geoffrey Ganter, PhD, UNE CAS