UNE UNIVERSITY OF NEW ENGLAND
INNOVATION FOR A HEALTHIER PLANET
COLLEGE OF OSTEOPATHIC MEDICINE

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2020-2021 COM Student Research Fellowship During COVID-19

TO: UNE COM faculty, staff, and students

FROM: Carol Brenner, Associate Dean for Research and Scholarship-UNE COM

DATE: May 1, 2020

These are indeed unprecedented times. Due to COVID-19, there is a moratorium on all University of New England budgets and the on-campus student research had to be cancelled. As a result, the Peter Morgane Student Research Fellowship and the Carmen Pettapiece Student Research Fellowship have been cancelled for AY 2020-2021. However, the UNE COM Research and Scholarship Committee and UNE COM Student Professional Development Committee of the Student Government Association would like to congratulate the UNE COM students below on a **well-written application** for the 2020 COM Student Research Fellowships.

We are pleased to acknowledge that the research proposals of these students achieved the review scores to be considered Peter Morgane Student Research Fellowship-worthy and the Carmen Pettapiece Student Research Fellowship-worthy. These students were encouraged to contact their research mentor to identify the feasibility of pursuing their project or an alternative project either during this summer or at a later time sans funding (if COVID-19 restrictions relax allowing commencement of research).

In light of having their application to be found meritorious, students will include the fellowship on their CV under "Awards and Honors" but with the added caveat that "*Due to COVID-19, funding was withheld for all medical student research projects".*

Once again, CONGRATULATIONS to these students on a well-written application!

Peter Morgane Research Fellowship - *Worthy*

Student	Class	Project Title	Primary Mentor(s)	Affiliation
Andrew Lee	2023	A Vibratory Ankle Wrap to Enhance Mobility in Older Adults with Peripheral Neuropathy	Lewis A. Lipsitz, MD	Marcus Institute for Aging, Boston, MA
Madison Tippetts	2022	Level of soluble CD73 association with post cardiac arrest survival and cerebral edema	Sergey Rhyzov, MD, PhD	Maine Medical Center Research Institute (MMCRI)
Sharmeen Jaffry and Jane Suh	2021	Evaluating Continuity of Care on Medical Mission Trips: A Survey of Health Care in the Dominican Republic	Christopher Boni, DO	UNE COM Clinical Site - Berkeley Heights, NJ
Brendan Abbott	2023	Examining differences in GABAA receptor signaling in mid-stage compared to late stage osteoarthritis in a murine model	Tamara King, PhD	UNE COM Department of Biomedical Sciences
Jane Higley	2023	Inflammatory responses within the dorsal root ganglia in HIV tat transgenic mice	Ling Cao, MD, PhD	UNE COM Department of Biomedical Sciences
Kinza Hussain	2023	Contribution of Bone Morphogenic Protein Signaling in Ultraviolet Irradiation Induced Corneal Nerve Sensitization	Ian D. Meng, PhD	UNE COM Department of Biomedical Sciences and the Center of Biomedical Research Excellence
Kristen Kircher	2023	Investigation of Local Risperidone Metabolism in the Bone Marrow Environment	Kathleen A. Becker, PhD	UNE COM Department of Biomedical Sciences

Annie McGregor	2023	Potential therapeutic role of metformin through control of protein translation	Derek Molliver, PhD	UNE COM Department of Biomedical Sciences
Michael McNaughton	2023	Project 1: NCAA Guidelines for SCD (Sudden Cardiac Death) Screening in Athletes: Do They Encourage Health Disparity in the American Healthcare System?	Gianmichel Corrado, MD	Boston Children Hospital-Harvard Medical School
Bianca Thakkar	2023	Investigating the Role of CD137 Ligand (CD137L) in Peripheral Nerve Damage and Regeneration Following Sciatic Nerve Crush Induced Neuropathic Pain	Ling Cao, MD, PhD	UNE COM Department of Biomedical Sciences
Kristen Kelliher	2023	Prevalence of ROSC with Prehospital Mechanical Compression Devices in Cardiac Arrest in EMS	Jack Williams, PhD, MEd	UNE COM Department of Biomedical Sciences
Cassandra Thorburn	2023	Elucidating Chemotherapy-Induced Peripheral Neuropathy mechanisms via dorsal root ganglia transcriptome analysis	Benjamin J. Harrison, PhD	UNE COM Department of Biomedical Sciences
Nityasri Sankar	2022	Hepatitis B and C infection amongst people who inject drugs (PWID): Injection Practices and Risk Perception	Kinna Thakarar, DO, MPH	Maine Medical Center
Nicholas Sarcia	2023	Role of Cholinergic Interneurons in the Nucleus Accumbens on Chronic Pain	Christoph Straub, PhD	UNE COM Department of Biomedical Sciences
Raksha Adhikari	2022	Genetic insights into left ventricular noncompaction cardiomyopathy: a systematic review	Kerry L. Tucker, PhD	UNE COM Department of Biomedical Sciences
Hina Hashmi	2023	Validation of a novel CRISPR-generated Trpm8fl/fl mouse for discovering new mechanisms of bone remodeling	Katherine Motyl, PhD	Maine Medical Center Research Institute (MMCRI)
Erin Hittesdorf	2023	Specialized Pro-resolution Markers (SPMs) after major abdominal surgery	Gebhard Wagener, MD	Columbia University Medical Center/New York, NY Presbyterian Hospital
Laura Horowitz	2023	Analysis of Nutrition Attitude, Knowledge, and Education Satisfaction in Medical Residents	Douglas B. Spicer, PhD, MMEdL	UNE COM Department of Biomedical Sciences
Whitman Oehler-Marx	2023	Investigation of the Role of Dock7 in Osteoblast Differentiation and Mineralization in Vitro	Kathleen A. Becker, PhD	UNE COM Department of Biomedical Sciences
Hannah Akre	2023	Pilot Study: Effects of Walking Assistive Devices on Self-Perception of Older Adults	Marilyn R. Gugliucci, MA, PhD	UNE COM Division of Geriatrics
Steven Cioffi	2023	Novel technique to measure coronary plaque tensile strength: Optical Coherence Tomography Elastography (Overcoming Current Limitations)	Mark E. Brezinski, MD, PhD, CPT	UNE COM Department of Osteopathic Manipulative Medicine
Michael Falcone	2023	Role of collagen type IV and fibronectin expression in quadricep fibrosis and hypertrophy after ACL injury	Michael Toth, PhD	University of Vermont College of Medicine
Heather Jacobs	2023	Inflammatory responses within the lumbar dorsal root ganglia following sciatic nerve crush in CD137L KO mice	Ling Cao, MD, PhD	UNE COM Department of Biomedical Sciences
Bisher Sultan	2023	Effects of Psychiatric drugs on development of immune function in Zebrafish	Karen Houseknecht, PhD	Associate Provost for Research and Scholarship; UNE COM Department of Biomedical Sciences

Lyvia Zhang	2023	Efficacy of Trabectome Surgery on Baerveldt Implantation Outcomes	David Fleischman, MD, MS	Department of Ophthalmology University of North Carolina at Chapel Hill
Bhoomi Bhuptani	2023	Elucidating Cellular Mechanisms Underlying the Effects of Tranexamic Acid in Trauma Patients	Igor Prudovsky, PhD, DSc	Maine Medical Center Research Institute (MMCRI)
Tien Dang	2023	The Effect of Tranexamic Acid on Tissue Edema and Burn Wound Conversion	Damion Carter, MD	Surgical Critical Care, Burn & Soft Tissue, Maine Medical Center/Tufts Medical School
Cathleen Huang	2022	Quantification of Perivascular Adipocyte Tissue	Lucy Liaw, PhD	Maine Medical Center Research Institute (MMCRI)
Olivia Wilkins	2023	Mortality and clinical outcome in male and female trauma patients over age 79	Carolyne Falank, MS, PhD / Joseph Rappold, MD	Trauma and Surgical Critical Care, MMC / Maine Medical Centre Research Institute (MMCRI)
Ben Harris	2023	The role of Insulin-like Growth Factor Binding Protein 2 in bone loss after vertical sleeve gastrectomy	Cliff Rosen, MD	Maine Medical Center Research Institute (MMCRI)