2021-2022 Carmen Pettapiece Student Research Fellowship

TO: UNE COM faculty, staff, and students
FROM: UNE COM SGA Professional Development Committee
DATE: March, 31 2021

The Student Government Association’s Professional Development Committee at UNE COM would like to congratulate the following UNE COM students who have received the 2021-2022 Carmen Pettapiece Student Research Fellowship:

SGA/Dean Funds

1. Alyssa Ahern (Class of 2023)
   Project title: Transgender, Gender Non-Conforming, and Gender Diverse (TGD) Inclusive Curriculum in Emergency Medicine Graduate Medical Programs: A Literature
   Mentor: Marilyn Gugliucci, MA, PhD UNE COM

2. Marah Alian (Class of 2024)
   Project title: Contribution of Bone Morphogenic Protein Signaling in Ultraviolet Irradiation Induced Corneal Nerve Sensitization
   Mentor: Ian Meng, PhD UNE COM

3. Stephen Cheng (Class of 2023)
   Project title: Rat Sex Dependent Immune Cells Differences in Synovial Fluid of Monosodium Iodoacetate-Induced Knee Osteoarthritis
   Mentors: Tamara King, PhD and Diana Goode, PhD UNE COM

4. Hsin I Chu & Rushi Shah (Class of 2022)
   Project title: Trending chief complaints among COVID-19 positive patients of the Eastern Connecticut Health Network healthcare system
   Mentor: Hwyda Arafat, MD, PhD UNE COM

5. Kaye Dandrea (Class of 2024)
   Project title: File of Life™: Older Adult Perspectives and Counsel to Increase Usage
   Mentor: Marilyn Gugliucci, MA, PhD UNE COM

6. Savannah Dimick (Class of 2024)
   Project title: Primary Care Provider’s Use of the Social Determinants of Health (SDoH) in Patient Care: A Pilot Study
   Mentor: Richard Stefanacci, DO Jefferson College of Population Health
7. Madeline Egan and Cassandra Papaleo (Class of 2024)
   **Project title:** Death Awareness and Well-Being in Older Adults
   **Mentor:** Thomas Meuser, PhD UNE COM

8. Samuel Hanlon and Benjamin Packard (Class of 2023)
   **Project title:** Data and Thematic Analyses: Significance of Participating in the 48 Hour Hospice Home Immersion Project
   **Mentor:** Marilyn Gugliucci, MA, PhD UNE COM

9. Rachel Hampton (Class of 2024)
   **Project title:** Ketamine Assisted Psychotherapy (KAP) in Maine: An Investigation of Patient Demographics
   **Mentor:** Selma Holden, DO UNE COM

10. Gesele Henderson (Class of 2024)
    Project title: Investigating the effects of saphenous nerve transection on early tibia bone remodeling
    **Mentor:** Kathleen Becker, PhD and Tamara King, PhD UNE COM

11. Tara Herbert (Class of 2024)
    **Project title:** The Effects of Peer Support Groups and Patient Education on Weight Loss in Adults
    **Mentor:** Beth Mazyck, MD UMass Fitchburg Family Medicine Residency / HealthAlliance Fitchburg Family Practice

12. Cathleen Huang (Class of 2022)
    **Project title:** Perivascular Adipocyte Tissue Surrounding Aneurysms
    **Mentor:** Lucy Liaw, PhD Maine Medical Center Research Institute

13. Kevin Huang (Class of 2024)
    **Project title:** Examining the Effects of Morphine and Sertraline on Bone Density of Mice
    **Mentor:** Katherine Motyl, PhD Maine Medical Center Research Institute

14. Laila Khatib (Class of 2024)
    **Project title:** The Enigma of GVHD Resolution: Which T Cell Subset is at Play?
    **Mentor:** Sherrie Divito, MD, PhD Brigham and Women's Hospital Dana Farber Cancer Institute Harvard Medical School

15. Garen Koutoujian (Class of 2024)
    **Project title:** Measuring the Impacts Of Osteopathic Manipulative Medicine On Allostatic Load Biomarkers Associated With Adverse Childhood Experiences
    **Mentor:** Christopher Frothingham, DO UNE COM
16. Melanie Kusakavitch (Class of 2024)
   Project title: Optical Coherence Tomography as a Novel Approach to Guide FAI Resection
   Mentor: Mark Brezinski, MD, PhD UNE COM

17. Conner Lajoie (Class of 2024)
   Project title: Elucidating the role of Dock7 in osteoblast differentiation in a novel knockout mouse model
   Mentor: Kathleen Becker, PhD UNE COM

18. Kaitlyn Lavarnway (Class of 2023)
   Project title: The Utility of Student Lead Medical Education During a Pandemic
   Mentor: Carol Brenner, PhD UNE COM

19. Anna McLean (Class of 2022)
   Project title: Exploring the Efficacy of Baclofen as a Pharmacological Therapy for Methamphetamine Use Disorder Through a 12-week Trial in Adult Individuals
   Mentor: Paul Rancicot, MD LRG Healthcare

20. Shana Morel (Class of 2024)
    Project title: Quantitative Examination of Hedgehog Signaling in Primary Cilia of Neural Crest Cells in A Mouse Model of Congenital Heart Disease
    Mentor: Kerry Tucker, PhD UNE COM

21. Shannon Munro (Class of 2024)
    Project title: Dropout Rate in the Lead- In Phase of "Beta1-selective blockade for prevention of postmenopausal bone loss: A randomized controlled trial," due to subjective and objective symptoms.
    Mentor: Clifford Rosen, MD Maine Medical Center Research Institute

22. Savannah Nelson (Class of 2023)
    Project title: Identifying Coronary Plaques That Lead to Myocardial Infarction: Identifying the Most Effective OCT Techniques for Use in Upcoming Double-Blind Clinical Trials
    Mentor: Mark Brezinski, MD, PhD UNE COM

23. Keeyon Olia (Class of 2024)
    Project title: Sleep Disparities and Lifestyle Factors in a Diverse Group of Adolescents from Different Neighborhoods in Boston
    Mentor: Monika Haack, MD Harvard Medical School

24. Rachel Shoemaker (Class of 2024)
    Project title: Intrauterine Device use by Transgender AFAB Individuals: A Pilot Study
    Mentor: Brandy Brown, LCSW Maine Medical Partners Pediatric Specialty Care
The Kahn Family Foundation Funds

25. Paige Ahlholm (Class of 2024)
   Project title: The role of CD2AP scaffold protein in Alzheimer’s disease
   Mentor: Benjamin Harrison, PhD UNE COM

26. Aishwarya Ayyappan (Class of 2024)
   Project title: Investigating whether optogenetic activation of CRF+ cells in the CeA is sufficient for inducing an increased pain-susceptible state in rats that have been exposed to neonatal trauma.
   Mentor: Michael Burman, PhD UNE CAS

27. Nora Connors (Class of 2024)
   Project title: Inflammatory responses within lumbar dorsal root ganglia following sciatic nerve crush in microglial CD137L conditional knockout mice.
   Mentor: Ling Cao, MD, PhD UNE COM

28. Kimberly Drago (Class of 2024)
   Project title: The Role of Spinal Cord Processing of Sensory Input in Maintaining Movement Evoked Breakthrough Pain
   Mentor: Tamara King, PhD UNE COM

29. Siobhan Fennel (Class of 2024)
   Project title: Neuronal major histocompatibility complex II and the regulation of anti-inflammatory CD4+ T cells in chemotherapy-induced peripheral neuropathy
   Mentor: Diana Goode, PhD UNE COM

30. Daniel Gehan (Class of 2024)
   Project title: Building a Fiber Photo-Optometry Set-Up to Measure in vivo Acetylcholine Levels in Mouse Nucleus Accumbens in the Context of Pain Chronification
   Mentor: Christoph Straub, PhD UNE COM

31. Aj Graham (Class of 2024)
   Project title: Conditioned Pain Modulation and it's Utilization in Pain Management
   Mentor: Katherine S. Rudolph, PhD, PT UNE WCHP

32. Mariza Nary (Class of 2024)
   Project title: An investigation of the NMDA receptor expression and activity in its involvement in pain sensitivity between sexes in Drosophila melanogaster
   Mentor: Geoffrey Ganter, PhD UNE CAS
33. Connor Devoe (Class of 2024)
   **Project title:** Determining the Role of the Transcriptional Regulatory Protein CELF4 on Pro-Nociceptive Protein Expression in Dorsal Root Ganglion Neurons
   **Mentors:** Benjamin Harrison, PhD and Diana Goode, PhD UNE COM

34. Bruno Sousa DiNucci (Class of 2024)
   **Project title:** Sciatic nerve responses in CD137L knockout mice following sciatic nerve crush-induced neuropathic pain
   **Mentor:** Ling Cao, MD, PhD UNE COM