5-2016

2016 University Of New England College Of Osteopathic Medicine Fellowship Recipients

University of New England College of Osteopathic Medicine

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University of New England's College of Osteopathic Medicine 2016 Peter Morgane Research Fellowship Recipients

May 09, 2016, Biddeford, Maine: The University of New England College of Osteopathic Medicine Research Committee has announced the winners of the 2016 Peter Morgane Research Fellowship.

The Peter Morgane Research Fellowship provides an opportunity for UNE COM students who wish to participate and obtain experience in biomedical, clinical, experiential or translational research. Research projects can have a basic science, community health, clinical, or osteopathic orientation. This year, the committee received an unprecedented number of applications, granting more than $60,000 for 20 student research projects. Funding was provided through the College of Osteopathic Medicine, the Office of Research and Scholarship and the Center for Excellence in the Neurosciences. The winners are:

1. **Kevin Budziszewski** (Class of 2019) Project title: Three-dimensional Reconstruction of Embryonic Heart and Outflow Tract in Mouse Mutants Defective in Primary Cilia Function and Cardiovascular Development
   Mentor: Kerry Tucker, Ph.D., UNE COM

2. **Amy Callahan** (Class of 2019) Project title: Anisotropic Modeling of Alternating Electric Fields Therapy for Glioblastoma
   Mentor: Eric Wong, M.D., Beth Israel Deaconess Medical Center, Harvard Medical School

3. **Ann Chacko** (Class of 2019) Project title: An Investigation of the Physical Properties of the Primary Cilium Using Atomic Force Microscopy (AFM)
   Mentor: Kerry Tucker, Ph.D., UNE COM

4. **Alexander Chassé** (Class of 2019) Project title: Atomic Force Microscopy Examination of Age Related and OA Induced Joint Degeneration in Female and Male Mice
   Mentor: Tamara King, Ph.D., UNE COM

5. **Sandi Chen and Andrew Wuu** (Class of 2018) Project title: Characterizing Aflatoxin M1 in Breast Milk in the Guatemalan Highlands
   Mentor: David Mokler, Ph.D., UNE COM and Noel Solomons, M.D., International Nutrition Foundation & Tufts University

6. **Kyle Draleau** (Class of 2019) Project title: Correlations of Pain Influencing Behaviors to Hyperalgesia and Their Potential Cumulative Role in the Development of Opioid Induced Hyperalgesia
   Mentor: Ling Cao, M.D. Ph.D., UNE COM

7. **Catherine Farsaci** (Class of 2019) Project title: An Exploration of the Peripheral Mechanisms Driving Cancer-Induced Bone Pain in Mouse Models
   Mentor: Tamara King, Ph.D., UNE COM

8. **Jessica Harnisch** (Class of 2019) Project title: Family Medicine Physicians and Geriatricians Perspective on Caring for Older Adults in Rural Maine
   Mentor: Stacey Thieme, DO, UNE COM

9. **Cosmin Iacoban** (Class of 2019) Project title: Determining Whether Peptide MOR and DOR Agonists Mediate Pain Relief of Ongoing and Breakthrough Cancer Bone Pain Through Activation of Peripheral Receptors in a Rat Model of Cancer Induced Bone Pain
   Mentor: Tamara King, Ph.D., UNE COM

10. **Aleksandra Kolnick** (Class of 2019) Project title: The Effects of Chronic Pain on Motor Learning and Proprioception in Knee Osteoarthritis
    Mentor: Katherine Rudolph, P.T., Ph.D., UNE WCHP

11. **Patrick Kurpaska** (Class of 2019) Project title: Prognostic Significance of Circulating Receptor Tyrosine Kinases in Patients Being Treated With Immunotherapy for Metastatic Melanoma
    Mentor: Ryan Sullivan, M.D., M.S., Massachusetts General Hospital, Harvard Medical School

12. **Brooke Learned** (Class of 2019) Project title: Role of DRG Macrophages in the Peripheral Cannabinoid Analgesic Response
    Mentor: Katherine Hanlon, Ph.D., UNE COM

13. **Tiago Martins** (Class of 2019) Project title: Utilization of Apple iOS ResearchKit to Survey Patient and Health Care Providers on Perception of Various Pain Symptoms
    Mentor: Ling Cao, M.D., Ph.D., UNE COM

14. **Sarah Mauney** (Class of 2019) Project title: GRK3 in Modulation of Peripheral Nociception
    Mentor: Derek Molliver, Ph.D., UNE COM

15. **Casey Neville** (Class of 2019) Project title: Brainstem Toxicity/Necrosis in Pediatric Proton Therapy Patients
    Mentor: Torunn Yock, M.D., M.P.H., Massachusetts General Hospital, Harvard Medical School

16. **Manuela Noriega** (Class of 2019) Project title: The Effects of Cannabinoid Agonists on Differentiation and Function Breast Cancer Monocytes
    Mentor: Katherine Hanlon, Ph.D., UNE COM

17. **Sanjay Rau** (Class of 2019) Project title: Effects of Morphine Pretreatment on LP-BM5 Infection Induced Changes in Various Brain Regions
    Mentor: Ling Cao, M.D., Ph.D., UNE COM

18. **Jacob Warner** (Class of 2019) Project title: Selectomics, Mycoplasma, Diversifying Selection, Pathogen Forecasting, Systems Biology
    Mentor: Meghan May, Ph.D., UNE COM

19. **Tahlia Wolfgang** (Class of 2019) Project title: Optimizing the After Visit Summary for Outpatient Clinics in Southern Maine
    Mentor: Jacquelyn Cawley, D.O., MaineHealth & UNE COM
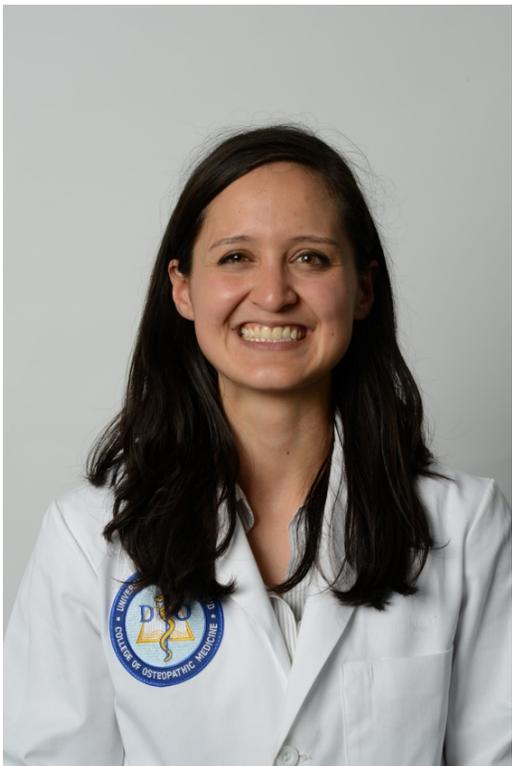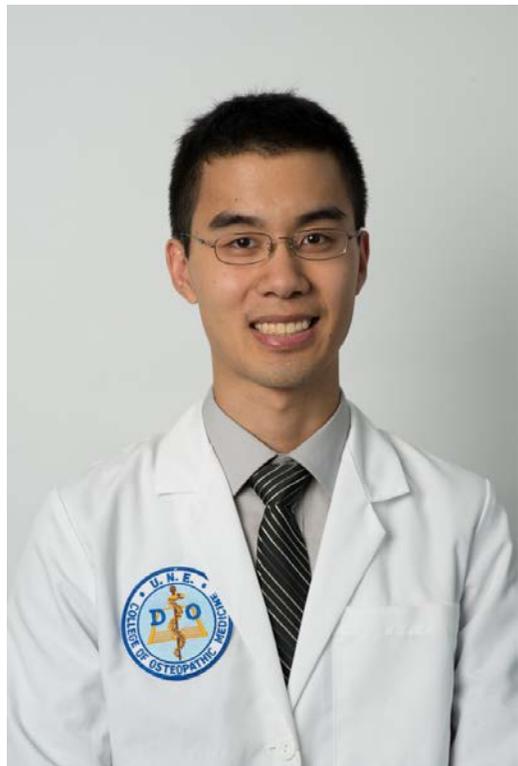
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