



College of Osteopathic Medicine - Faculty Research Interests 2023

www.une.edu/com/research

Faculty	Research Interests
Kathleen Becker, PhD <i>Assistant Professor</i> kbecker3@une.edu	<ul style="list-style-type: none"> Bone formation and cross-talk between bone, fat, and the nervous system Becker lab: https://www.une.edu/people/kathleen-becker
Paul Berkner pberkner@une.edu <i>Director, Student Health Services</i>	<ul style="list-style-type: none"> Sports related concussion: Epidemiology, balance, treatment, health access inequities
Carol A. Brenner, PhD cbrenner1@une.edu <i>Clinical Prof.; Assoc. Dean, Research & Scholarship</i>	<ul style="list-style-type: none"> Mitochondrial biology Clinical Research Reproductive sciences Rural and underserved medicine Infertility Pregnancy and COVID-19 FMI: https://www.une.edu/people/carol-brenner
Ling Cao, M.D., PhD <i>Professor</i> lcao@une.edu	<ul style="list-style-type: none"> Neuroimmune mechanisms of chronic pain and HIV-associated neurological disorders Chronic pain related clinical/population studies Cao Lab: https://www.une.edu/people/ling-cao
Stuart N. Damon, DO, MS <i>Assistant Clinical Professor</i> sdamon@une.edu	<ul style="list-style-type: none"> Using the NASA TLX to determine optimal cognitive load in high fidelity simulation among Osteopathic medical students Identifying & confirming properties of counterstrain points using ultrasonography
Russell J. Ferland, PhD, Professor; Chair, <i>Dept. of Biomedical Sciences</i> rferland2@une.edu	<ul style="list-style-type: none"> Primary cilia in developmental disorders Genetics & mechanisms of epileptogenesis (epilepsy) FMI: https://www.une.edu/people/russ-ferland
Charilaos (Harry) Filippakis, PhD <i>Assistant Professor</i> cfilippakis@une.edu	<ul style="list-style-type: none"> Cancer metabolism and mechanisms of aberrant mTOR activation Filippakis lab: https://www.une.edu/people/charilaos-harry-filippakis
Diana Goode, PhD <i>Assistant Professor</i> dgoode@une.edu	<ul style="list-style-type: none"> Neuron – CD4+ T cell communication Chemotherapy-induced peripheral neuropathy Goode lab: https://www.une.edu/people/diana-j-goode
Eliza Grlickova-Duzevik, MD, PhD <i>Asst. Clinical Professor</i> egrlickovaduzevik@une.edu	<ul style="list-style-type: none"> Bioinformatics Neuroscience Molecular and cellular biology Culinary Medicine FMI: https://www.une.edu/people/eliza-grlickova-duzevik
Marilyn R. Gugliucci, MA, PhD, Professor <i>Dir. of Geriatrics Research</i> mgugliucci@une.edu	<ul style="list-style-type: none"> 48 Hour Hospice Home Immersion Research Balancing Act Falls Prevention Research Virtual Reality Education Research MMC Gender Institute Student Research Liaison
Benjamin Harrison, PhD <i>Associate Professor</i> bharrison2@une.edu	<ul style="list-style-type: none"> Neuroplasticity and Genomics Harrison lab: https://www.une.edu/people/benjamin-j-harrison
Selma C. Holden, MD, MPH, MS <i>Clinical Associate Professor</i> sholden1@une.edu	<ul style="list-style-type: none"> Ketamine Assisted Psychotherapy in the General Population MDMA Assisted Psychotherapy for Post Traumatic Stress FMI: https://www.une.edu/people/selma-holden
Karen Houseknecht, PhD, Professor and Associate Provost khouseknecht@une.edu	<ul style="list-style-type: none"> View Dr. Houseknecht's vast research interests: https://www.une.edu/people/karen-l-houseknecht
Tamara King, PhD <i>Professor</i> tking6@une.edu	<ul style="list-style-type: none"> Mechanisms underlying cancer-induced bone pain Mechanisms underlying advanced osteoarthritis induced pain King lab: https://www.une.edu/people/tamara-king

NOTE: The UNE COM faculty listed on this document are either conducting active research or, if not, are open to discussing their research interests with COM students as well as possibly directing students to someone who shares the student's research interests.

(1) Additional research resources for UNE COM medical students: <https://une1.sharepoint.com/teams/COM/Research/Resources/SitePages/Resources.aspx>

(2) UNE has several centers and institutes in support of research & scholarship designed to promote interdisciplinary research: <https://www.une.edu/research/centers>



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Ian D. Meng, PhD, Prof.; Director of <i>COBRE & Ctr for Excellence in Neuroscience</i> imeng@une.edu	<ul style="list-style-type: none"> Dry eye disease Trigeminal pain Neuroplasticity and chronic pain Meng lab: https://www.une.edu/people/ian-d-meng
Derek C. Molliver, PhD Professor dmolliver@une.edu	<ul style="list-style-type: none"> Cell signaling Mitochondrial dynamics Proteomics in chronic pain Molliver Lab: https://www.une.edu/people/derek-molliver
Stacey Pierce-Talsma, DO, MS, FNAOME Assoc. Dean, Academic Affairs spiercetalsma@une.edu	<ul style="list-style-type: none"> Osteopathic manipulative medicine Innovation in medical education Yoga FMI: https://www.une.edu/people/stacey-l-pierce-talsma-0
Luis Queme Cobar, MD, PhD Assistant Professor lqueme@une.edu	<ul style="list-style-type: none"> Peripheral Mechanisms of Somatosensation, Musculoskeletal Pain, Stress, Neuroimmune interactions. Queme lab: https://www.une.edu/people/luis-f-queme
Rebecca J. Rowe, PhD Associate Professor rrowe@une.edu	<ul style="list-style-type: none"> Medical Education Research
Mark Schuenke, PhD mschuenke@une.edu Professor; Associate Chair, Biomedical Sci. Dept	<ul style="list-style-type: none"> Anatomical and biomechanical relationships related to lumbopelvic pain Peripheral nerve entrapment Countermeasures to age-related muscle atrophy and diabetes
Kyle R. Scully, PhD Assistant Clinical Professor kscully3@une.edu	<ul style="list-style-type: none"> Prehospital emergency medicine and natural products
Douglas Spicer, PhD, MMEdL Professor dspicer@une.edu	<ul style="list-style-type: none"> Innovations in medical education Active learning pedagogies in medical education Clinical reasoning skills For more information FMI: https://www.une.edu/people/douglas-b-spicer
Joel M. Talsma, MS Assistant Clinical Professor jtalsma@une.edu	<ul style="list-style-type: none"> Surgical approaches in pediatric surgery Neurovascular anatomy of human joints Relationship of fascia and connective tissue in sports related injuries
Kerry L. Tucker, PhD Associate Professor ktucker2@une.edu	<ul style="list-style-type: none"> Primary cilia and pain processing Primary cilia and brain development and function Mouse models of congenital heart defects Tucker Lab: https://www.une.edu/people/kerry-l-tucker
Susan Wehry, MD swehry@une.edu Director, AgingME, Geriatrics, Primary Care	<ul style="list-style-type: none"> Post Pandemic Growth and Recovery Cognitive Changes with Aging Optimal Engagement of People Living with Dementia Age Friendly Communities and Dementia Inclusivity
Frank Willard, PhD Professor fwillard@une.edu	<ul style="list-style-type: none"> Neurovascular anatomy of the cervical & lumbosacral spine Myofascial & ligamentous support system of the lumbosacral spine & its dysfunction in patients with low back pain

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