

U-RISE@Rowan Research Mentors

Name	Primary Department or Program	Research Interests
Alpaugh, Mary L.	Biological & Biomedical Sciences, CSM	Molecular Mechanism of Metastasis, Drug Development
Angelone, D.J.	Psychology, CSM	Dating/Sexual Violence and Sexual Risk Prevention
Beachley, Vincent	Biomedical Engineering, HMRCOE	Nanofiber Engineering, Tissue Engineering, Biomaterials
Boehning, Darren	Biomedical Sciences, CMSRU	Cell signaling and death in health and disease
Buono, Russell	Biomedical Sciences, CMSRU	Genetics, Neuroscience, Brain Disease
Caputo, Gregory A.	Chemistry & Biochemistry, CSM	Antimicrobial Peptides and Surfaces
Carabetta, Valerie	Biomedical Sciences, CMSRU	Bacterial genetics, biochemistry, and proteomics
Carone, Benjamin R.	Biological & Biomedical Sciences, CSM	Transgenerational Epigenetic Inheritance
Carrasco, Gonzalo	Biomedical Sciences, CMSRU	Cannabinoid neuroscience
Chandler, Daniel	Cell Biology & Neuroscience, SOM	Stress-induced effects on anxiety-like behaviors and opioid use disorders
Chang, Howard	Cell Biology & Neuroscience, SOM	Neurobiology, host-pathogen interactions
Chen, Yong	Biological & Biomedical Sciences, CSM	Bioinformatics and Cancer Epigenetics
Cooper, Katrina	Molecular Biology, SOM	Autophagy in neurodegenerative diseases
Currie, Kevin	Biomedical Sciences, CMSRU	Neurophysiology
Devilbiss, David	Cell Biology & Neuroscience, SOM	Catecholamine dysfunction after traumatic brain injury
Fakira, Amanda	Biomedical Sciences, CMSRU	Synaptic Function in Opiate Reward and Antinociception
Farber, Matthew	Biological & Biomedical Sciences, CSM	Novel yeast discovery: ecological diversity & food and beverage production
Galie, Peter	Biomedical Engineering, HMRCOE	Blood-brain barrier and regenerative medicine
Gotham, Katherine	Psychology, CSM	Emotion Processing and Emotional Health in Autism
Gould, Francois	Cell Biology & Neuroscience, SOM	Neuromuscular control of swallowing disorders in neurodegenerative diseases
Grinias, James P.	Chemistry & Biochemistry, CSM	Chemical Analysis of Biological & Pharmaceutical Systems
Heindl, Jason	Biological & Biomedical Sciences, CSM	Bacterial interactions with their environment, regulators of biofilm formation
Hnatyshin, Vasil Y.	Computer Sciences, CSM	Data Science, including Metabolomics and Pharmaceutical Analyses
Holaska, James	Biomedical Sciences, CMSRU	Nuclear structure and function in stem cell differentiation and cancer
Job, Martin	Biomedical Sciences, CMSRU	Modeling substance use disorders and addiction development
Jones, Meredith C.	Psychology, CSM	Dating/Sexual Violence and Sexual Risk Prevention
Jonnalagadda, Subash C.	Chemistry & Biochemistry, CSM	Pharmaceutical Drug Design & Discovery
Keck, Thomas M.	Biological & Biomedical Sciences, CSM	Neuropharmacology and Drug Development
Kohout, Susy	Biomedical Sciences, CMSRU	Electrophysiology, cell communication
Krummenacher, Claude	Biological & Biomedical Sciences, CSM	Interactions Between Herpes Simplex Virus and Its Host
Kumari, Archana	Cell Biology & Neuroscience, SOM	Mechanisms of Taste disturbance, Cell signaling regulation of taste organ
Lassiter, Jonathan	Psychology, CSM	Health inequities among racial and sexual minorities
Liu, Zhiwei	Biological & Biomedical Sciences, CSM	Computational folding of foldamers, proteins, and chemical reactions
Manners, Melissa	Biological & Biomedical Sciences, CSM	Neurobiology of chronic stress
Manvich, Daniel	Cell Biology & Neuroscience, SOM	Behavioral Neuroscience, Neuropsychopharmacology
Martinez, Diana	Biomedical Sciences, CMSRU	Mechanisms of cardiorespiratory dysfunction associated with sleep
Moura-Letts, Gustavo	Chemistry & Biochemistry, CSM	Reaction Invention/Drug Design
Navarra, Rachel	Cell Biology & Neuroscience, SOM	Behavior Pharmacology and in vivo Electrophysiology
Nguyen, Thanh T.	Mathematics, CSM	Inverse Problems in Biomedical Imaging
Nucci, Nathaniel V.	Biological & Biomedical Sciences, CSM	Molecular Biophysics and Biomedical Nanotechnology
Pearce, Margaret	Biological & Biomedical Sciences, CSM	Neurodegenerative disease mechanisms using Drosophila models
Perez, Lark J.	Chemistry & Biochemistry, CSM	Chemical Cellular Signaling
Quarels, Rashanique	Chemistry & Biochemistry, CSM	Organic chemistry, synthesis of antibiotics and morphine derivatives
Raiff, Bethany	Psychology, CSM	Behavioral Health
Riley, Rachel	Biomedical Engineering, HMRCOE	Drug delivery, Nanotechnology, Prenatal, Gynecological, Pediatric Cancer Therapy
Silva, Kleiton	Biomedical Sciences, CMSRU	Autophagy and mitophagy in sarcopenia
Strich, Randy	Molecular Biology, SOM	Oxidative stress response, tumor suppression
Tremoulet, Patrice D.	Psychology, CSM	Human Factors
Vaden, Timothy D.	Chemistry & Biochemistry, CSM	Ionic Liquids in Protein Stability & Drug Delivery
Vaughn, Nicole A.	Health & Exercise Science, CSM	Community-based Health Research
Vega, Sebastian	Biomedical Engineering, HMRCOE	Stem cells, biomaterials, cell-material interactions
Wang, Zhihong	Chemistry & Biochemistry, CSM	Biochemistry of RAF kinase family and therapeutics discovery for cancer
Waterhouse, Barry	Cell Biology & Neuroscience, SOM	Noradrenergic Systems, TBI, Psychostimulant Drugs
Weiser, Brian	Molecular Biology, SOM	Enzymology, protein-protein interactions
West, Elizabeth	Cell Biology & Neuroscience, SOM	Neuroscience
Whiting, Nicholas	Biological & Biomedical Sciences, CSM	Nanomaterials for Biomedical Therapies & Diagnostics
Wu, Chun	Chemistry & Biochemistry, CSM	Molecular Modeling, Computer Aided Drug Design