

Table 2. Participating Faculty Members

Name	Degree(s)	Rank	Primary Department or Program	Research Interest	Training Role	Pre-doctorates In Training	Pre-doctorates Graduated	Predocotorates Continued in Research or Related Careers	Post-doctorates In Training	Post-doctorates Completed Training	Postdoctorates Continued in Research or Related Careers
Ahern, Christopher	PhD	Prof.	Molecular Physiology & Biophysics	Chemical biology of ion transport	Preceptor Exec. Comm.	2	2	2	0	6	6
Ankrum, James	PhD	Assoc. Prof	Biomedical Engineering	Cell based therapy, biologics, biomaterials	Preceptor	3	2	2	0	1	1
Brogden, Nicole	PhD	Assoc. Prof	Pharmaceutical Sciences & Experimental Therapeutics	Topical and transdermal drug delivery	Preceptor	1	3	3	3	2	2
Cheatum, Christopher	PhD	Prof.	Chemistry	Enzyme Dynamics, High-throughput screening, femtosecond spectroscopy	Preceptor	4	8	8	2	3	3
DeMali, Kris	PhD	Prof.	Biochemistry & Molecular Biology	Molecular, biochemical and cellular basis for how epithelial cells sense and respond to external forces.	Preceptor	3	8	5	0	1	1
Doorn, Jonathan	PhD	Prof.	Pharmaceutical Sciences & Experimental Therapeutics	Role of aberrant neurotransmitter metabolism in neurotoxicity and disease	Preceptor	3	8	7	0	2	2

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Elcock, Adrian	PhD	Prof.	Biochemistry & Molecular Biology	Computer simulation of macromolecular interactions and behavior in physiological conditions.	Preceptor	2	6	6	2	2	2
Ellermeier, Craig	PhD	Prof.	Microbiology & Immunology	Bacterial Signal Transduction; Cell envelope Stress Response	Preceptor	3	5	5	0	1	1
Fiegel, Jennifer	PhD	Prof.	Chemical & Biochemical Engineering	Drug delivery, nano and microtechnology	Preceptor	4	6	6	0	0	0
Fuentes, Ernesto	PhD	Assoc. Prof.	Biochemistry & Molecular Biology	Regulation of cell signaling pathways and their relationship to human disease.	Preceptor	1	5	5	0	5	5
Gomes, Joe	PhD	Assist. Prof.	Chemical & Biochemical Engineering	Machine learning; Quantum chemistry; Molecular simulation	Preceptor	3	0	0	0	0	0
Jin, Zhendong	PhD	Prof.	Pharmaceutical Sciences & Experimental Therapeutics	Medicinal Chemistry	Preceptor	0	2	2	1	4	3
Kerns, Robert	PhD	Prof.	Pharmaceutical Sciences & Experimental Therapeutics	Design & Synthesis of Small Molecule Therapeutics & Probes.	Preceptor Exec. Comm.	2	13	13	0	0	0

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LeFevre, Gregory	PhD	Assoc. Prof	Civil & Environmental Engineering	Biotransformation, bioremediation, water contaminants	Preceptor	5	5	5	0	0	0
MacGillivray, Leonard	PhD	Prof.	Chemistry	Molecular recognition, hydrogen bonding, self-assembly, catalysis, solid-state chemistry, templation	Preceptor	7	12	10	1	1	0
Martin, David	PhD	Assoc. Prof	Chemistry	Neuroprotection mechanisms, small molecule synthesis	Preceptor	8	3	3	2	3	2
Mattes, Timothy	PhD	Prof.	Civil & Environmental Engineering	Environmental engineering; environmental biotechnology	Preceptor Exec. Comm.	5	6	4	0	3	3
Nuxoll, Eric	PhD	Assoc. Prof	Chemical & Biochemical Engineering	Biofilm mitigation, drug delivery	Preceptor Exec. Comm.	2	4	3	0	0	0
Prahlad, Veena	PhD	Assoc. Prof	Biology	Protein misfolding, proteostasis, stress responses, heat shock factor, epigenetics	Preceptor	2	2	2	4	2	2
Pufall, Miles	PhD	Assoc. Prof	Biochemistry & Molecular Biology	How cellular signals direct transcription factor function and improving treatment for lymphoid cancers.	Preceptor	0	4	3	0	2	2

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Radoshevich, Lilliana	PhD	Assist. Prof.	Microbiology & Immunology	Ubiquitin-like proteins in host-pathogen interactions	Preceptor	2	1	1	1	0	0
Roman, David	PhD	Prof.	Pharmaceutical Sciences & Experimental Therapeutics	Non-opioids for inflammatory pain: Adenylyl cyclase 1 as a novel target	Preceptor	2	7	6	N/A	N/A	N/A
Salem, Aliasger	PhD	Prof.	Pharmaceutical Sciences & Experimental Therapeutics	Nanotechnology	Preceptor	10	13	11	2	4	4
Schnieders, Michael	PhD	Assoc. Prof.	Biochemistry & Molecular Biology	Chemical theory for the protein crystal folding problem, next generation theory and tools for biomolecular simulation, physics-based simulations of the genetics of hearing loss, and physics-based simulations of the genetics of renal disease.	Preceptor Exec. Comm. Other Dir. of Internships	5	6	6	0	1	1
Smith, Richard	MD	Prof.	Molecular Physiology & Biophysics	Genetics of Hereditary Hearing loss and Renal Diseases	Preceptor	6	16	15	2	25	24

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Spies, Maria	PhD	Prof.	Biochemistry & Molecular Biology	Molecular mechanisms supporting genetic integrity, DNA replication, recombination, and repair; drug discovery	PI Exec. Comm.	0	6	6	3	4	4
Spies, M. Ashley	PhD	Prof.	Pharmaceutical Sciences & Experimental Therapeutics	Protein-ligand interactions	Preceptor	2	3	1	0	1	1
Tanas, Munir	MD	Assoc. Prof.	Cancer Biology	Hippo pathway in sarcomas	Preceptor	3	2	2	1	2	2
Washington, M. Todd	PhD	Prof.	Biochemistry & Molecular Biology	Mechanisms of enzymes involved in DNA replication and DNA repair	Preceptor	2	7	7	0	0	0
Williams, Florence	PhD	Assist. Prof.	Chemistry	Neurotrophic small molecule mechanism of action, boron-mediated synthetic methodology	Preceptor Exec. Comm.	7	1	1	0	2	2
Worthington, Kristan S	PhD	Assist. Prof.	Biomedical Engineering	stem cells, biomaterials, mechanobiology, drug delivery	Preceptor	4	1	1	0	0	0