# Faculty Mentor & Research Interest List

| Name/Degree(s) | Rank | Primary (& Secondary) Appointment(s) | Role in Program | Research Interest |
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| Atkinson, Mark A., PhD | Professor | Pathology | Mentor | Basic, Clinical and Translational research in Diabetes, including human clinical studies and regenerative technologies |
| Brady, L. Jeannine, PhD | Professor | Oral Biology | Associate Director | Host:pathogen interactions, bacterial adhsion, immunomodulation |
| Burne, Robert A., PhD | Professor & Chair, Associate Dean for Research | Oral Biology | Program Director | Genetics, Physiology and Pathogenesis of Oral Biofilm Bacteria |
| Caudle, Robert M., PhD | Professor | Oral and Maxillofacial Surgery  (Neuroscience - COM) | Mentor | Molecular, Cellular and Behavioral Analysis of Chronic Pain |
| Cha, Seunghee, DDS, PhD | Assistant Professor | Oral and Maxillofacial Diagnostic Sciences  (Oral Biology) | Mentor | Target tissue specificity in Sjögren’s syndrome, epigenetic regulation of autoimmunity, Sjögren’s autoantibodies |
| Chan, Edward K.L., PhD | Professor | Oral Biology (Anatomy & Cell Biology - COM) | Mentor | MicroRNA in cell biology, autoimmunity and oral cancer |
| Culp, David J., PhD | Professor | Oral Biology | Mentor | Salivary constituents: Gene regulation, regulation of secretion and their roles in protecting the oral cavity. Animal models of oral disease. |
| Davey, Mary Ellen, PhD | Associate Professor | Oral Biology | Mentor | Microbial genetics, polymicrobial biofilm-based infections, and interspecies signaling within microbial communities |
| Diamond, Gil, PhD | Professor | Oral Biology | Mentor | Antimcirobial peptides and innate immunity against microbial infections |
| Dunn, William A., Jr., PhD | Professor & Interim Chair | Anatomy & Cell Biology | Mentor | Role of autophagy in the removal of intracellular pathogens and cellular homeostasis |
| Fillingim, Roger B., PhD | Professor | Community Dentistry & Behavioral Science | Mentor | Individual differences in pain; pain genetics; neurobiology of orofacial pain. |
| Frazier, Charles J., PhD | Associate Professor | Department of Pharmacodynamics  (Department of Neuroscience - COM) | Mentor | Cellular and synaptic physiology in health and disease |
| Ghivizzani, Steven C., PhD | Professor | Orthopaedics & Rehabilitation  (Molecular Genetics & Microbiology) | Mentor | Gene and cell-based therapies for the treatment and repair of musculoskeletal disorders. |
| Grieshaber, Scott S., PhD | Assistant Professor | Oral Biology | Mentor | Cellular Microbiology, Intracellular trafficking of epithelial cell pathogens, *Chlamydia* and cancer linkages |
| Holliday, Lexie Shannon, PhD | Associate Professor | Orthodontics (Anatomy & Cell Biology - COM) | Mentor | Bone physiology and pathophysiology |
| Kesavalu, Lakshmyya | Associate Professor | Department of Periodontology  (Oral Biology) | Mentor | Role of major Periodontal Pathogens in the initiation of infection, inflammation, immunity, gene expression, alveolar bone resorption and progression of periodontal disease |
| Lucas, Alexandra, MD, FRCP(C) | Professor | Medicine – Division of Cardiovascular Medicine (Molecular Genetics & Microbiology) | Mentor | Innate immunity, transplant, atherosclerosis, chemokines, serpins, vascular disease, infections, viral, bacterial |
| Neubert, John K., PhD | Associate Professor | Orthodontics (Neuroscience) | Mentor | Basic and translational research in inflammatory and neuropathic mechanisms relating to peripheral pain |
| Progulske-Fox, Ann, PhD | Professor & Program Director | Oral Biology | Mentor | Interactions between oral pathogens and human endothelial cells; Oral:systemic health |
| Shaddox, Luciana, PhD | Assistant Professor | Periodontology (Oral Biology) | Mentor | Clinical and basic studies on the inflammatory response and the oral microbiota in aggressive periodontitis in children |
| Schultz, Gregory, PhD | Professor | Obstetrics & Gynecology | Mentor | Bacterial biofilms in acute and chronic wound healing; anti-scarring therapies |
| Wallet, Shannon, PhD | Assistant Professor | Periodontology | Mentor | Immunological mechanisms associated with type 1 (T1D) and 2 (T2D) diabetes; diabetes and oral health; autoimmunity |
| Yilmaz, Olzem, PhD | Associate Professor | Periodontology (Oral Biology and Emerging Pathogens Institute) | Mentor | Mechanisms of establishment of persistent bacterial infections in the oral epithelium |

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