

Table 2. Participating Faculty Members

(Alphabetically by Faculty Member)

| Name | Degree | Rank | Primary Department or Program | Research Interest | Role in Program | Pre-doctorates In Training | Pre-doctorates In Graduated | Pre-doctorates Continued in Research or Related Careers | Post-doctorates In Training | Post-doctorates Completed Training | Post-doctorates Continued in Research or Related Careers |
|-------------------------|---------|---------------------|--|--|-----------------|----------------------------|-----------------------------|---|-----------------------------|------------------------------------|--|
| E. Dale Abel | MD, PhD | Professor | Internal Medicine, Endocrinology and Metabolism and FOE Diabetes Research Center | Cardiac failure in diabetes Mitochondria and Insulin Resistance | Mentor, PD/PI | N/A | N/A | N/A | 7 | 18 | 16 |
| Renata Pereira Alambert | PhD | Assistant Professor | Internal Medicine, Endocrinology and Metabolism | Mitochondrial function and stress response pathways in the pathophysiology of obesity and insulin resistance | Mentor | N/A | N/A | N/A | 1 | 0 | 0 |
| Ethan J. Anderson | PhD | Associate Professor | Pharmaceutics and Translational Therapy, College of Pharmacy | Interrogating mitochondria at the cross-roads of cardio-metabolic health and disease | Mentor | N/A | N/A | N/A | 2 | 2 | 1 |
| Michael Anderson | PhD | Professor | Molecular Physiology and Biophysics | Ophthalmic genetics, primarily studied with mouse models | Mentor | N/A | N/A | N/A | 1 | 5 | 5 |
| James Ankrum | PhD | Associate Professor | Biomedical Engineering, College of Engineering | Mesenchymal stem cells and adipose tissue organoids | Mentor | N/A | N/A | N/A | 0 | 1 | 1 |
| Deniz Atasoy | PhD | Assistant Professor | Neuroscience and Pharmacology | Ascending pathways mediating hypoglycemia counterregulation and glucose homeostasis | Mentor | N/A | N/A | N/A | 1 | 0 | 0 |
| Wei Bao | MD, PhD | Assistant Professor | Epidemiology, College of Public Health | Diabetes and obesity epidemiology | Mentor | N/A | N/A | N/A | 2 | 1 | 1 |

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| Sue Bodine | PhD | Professor | Internal Medicine, Endocrinology and Metabolism | Control of skeletal muscle plasticity and size during atrophy, aging, and exercise | Mentor, Executive Committee Member | N/A | N/A | N/A | 4 | 2 | 2 |
| Ryan L. Boudreau | PhD | Associate Professor | Internal Medicine, Cardiovascular Medicine | Post-transcriptional responses in diseased and developing heart and brain | Mentor | N/A | N/A | N/A | 1 | 1 | 1 |
| Bhagirath Chaurasia | PhD | Assistant Professor | Internal Medicine, Molecular Medicine | Elucidate the role of lipid metabolite ceramide in metabolic diseases | Mentor | N/A | N/A | N/A | 1 | 0 | 0 |
| Huxing Cui | PhD | Assistant Professor | Neuroscience and Pharmacology | Neural control of metabolic homeostasis and cardiovascular function | Mentor | N/A | N/A | N/A | 3 | 0 | 0 |
| Brandon Davies | PhD | Associate Professor | Biochemistry | Regulation of lipoprotein metabolism and lipid partitioning | Mentor | N/A | N/A | N/A | 1 | 0 | 0 |
| Ayotunde Dokun | MD | Associate Professor | Internal Medicine, Endocrinology and Metabolism | Molecular mechanisms driving poor outcomes in peripheral artery disease in the setting of diabetes | Mentor | N/A | N/A | N/A | 2 | 8 | 8 |
| John Engelhardt | PhD | Professor | Anatomy and Cell Biology | Diabetes in the CFTR-knockout ferret; how loss of CFTR expression in the pancreas impairs insulin secretion | Mentor, Executive Committee Member | N/A | N/A | N/A | 5 | 16 | 15 |

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| Frank M. Faraci | PhD | Professor | Internal Medicine, Cardiovascular Medicine | Vascular biology, physiology | Mentor | N/A | N/A | N/A | 0 | 6 | 6 |
| Isabella M. Grumbach | MD, PhD | Professor | Internal Medicine, Cardiovascular Medicine | Mitochondrial function in vascular smooth muscle in response to metabolic disease and after radiation and chemotherapy | Mentor | N/A | N/A | N/A | 3 | 4 | 3 |
| Yumi Imai | MD | Associate Professor | Internal Medicine, Endocrinology and Metabolism | Role of lipid droplet proteins in the pathogenesis of beta cell failure in diabetes | Mentor | N/A | N/A | N/A | 1 | 0 | 1 |
| Kaikobad Irani | MD | Professor | Internal Medicine, Cardiovascular Medicine | Vascular function and dysfunction in metabolic disorders | Mentor | N/A | N/A | N/A | 1 | 23 | 18 |
| Diana Jalal | MD | Associate Professor | Internal Medicine, Endocrinology and Metabolism | Modulation of vascular function in patients with diabetes and CKD | Mentor | N/A | N/A | N/A | 1 | 0 | 0 |
| Aloysius Klingelhutz | PhD | Professor | Microbiology and Immunology and Radiation Oncology | Effects of environmental and bacterial toxins on adipogenesis, adipocyte function, and metabolic syndrome | Mentor | N/A | N/A | N/A | 0 | 0 | 0 |
| Katie Larson Ode | MD, MS | Associate Professor | Pediatrics, Endocrinology and Diabetes | Pathophysiology of diabetes related to exocrine pancreas disease | Mentor | N/A | N/A | N/A | 1 | 1 | 1 |

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| Vitor Lira | PhD | Associate Professor | Health and Human Physiology | Molecular mechanisms of protein turnover in skeletal/cardiac muscles in health, aging and metabolic diseases | Mentor | N/A | N/A | N/A | 0 | 0 | 0 |
| Catherine Marcinkiewicz | PhD | Assistant Professor | Neuroscience and Pharmacology | Addiction and alcohol dependence, neurodegenerative disease | Mentor | N/A | N/A | N/A | 4 | 0 | 0 |
| Mohamad Mokadem | MD | Assistant Professor | Internal Medicine, Gastroenterology and Hepatology | Neuro-molecular control of energy balance and glucose homeostasis along the gut-brain axis; obesity and mechanism of bariatric surgery | Mentor | N/A | N/A | N/A | 1 | 1 | 1 |
| Andrew W. Norris | MD, PhD | Professor | Pediatrics, Endocrinology and Diabetes, Biochemistry | Early life pathogenesis of type 2 diabetes and cystic fibrosis related diabetes | Mentor, MPI | N/A | N/A | N/A | 0 | 10 | 9 |
| Brian O'Neill | MD, PhD | Assistant Professor | Internal Medicine, Endocrinology and Metabolism | Regulation of muscle mitochondrial function by insulin/IGF-1/FoxO signaling | Mentor | N/A | N/A | N/A | 1 | 0 | 0 |
| Robert C. Piper | PhD | Professor | Molecular Physiology and Biophysics | Cell biology, membrane trafficking, protein degradation, signal transduction | Mentor | N/A | N/A | N/A | 2 | 5 | 5 |
| Philip Polgreen | MD, MPH | Professor | Internal Medicine, Infectious Diseases, Epidemiology | Investigation in the field of infection control and designing ways to improve infectious disease surveillance with specific interest in diabetes and obesity | Mentor | N/A | N/A | N/A | 0 | 0 | 0 |

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| Matthew J. Potthoff | PhD | Associate Professor | Neuroscience and Pharmacology | Nutrient control of metabolism and cell signaling | Mentor, Executive Committee Member | N/A | N/A | N/A | 2 | 1 | 0 |
| Kamal Rahmouni | PhD | Professor | Neuroscience and Pharmacology | Pathways that link metabolic and cardiovascular functions | Mentor, Executive Committee Member | N/A | N/A | N/A | 2 | 4 | 4 |
| Thomas Rutkowski | PhD | Associate Professor | Anatomy and Cell Biology | Contribution of TCA cycle activity to ER stress and non-alcoholic steatohepatitis | Mentor | N/A | N/A | N/A | 0 | 2 | 2 |
| Julien Sebag | PhD | Associate Professor | Molecular Physiology and Biophysics | Central GPCR regulation of energy homeostasis | Mentor | N/A | N/A | N/A | 2 | 3 | 2 |
| Val C. Sheffield | MD, PhD | Professor | Pediatrics, Genetics | Molecular genetics of human hereditary diseases including complex disorders such as diabetes, hypertension and obesity | Mentor | N/A | N/A | N/A | 1 | 7 | 7 |
| William Sivitz | MD | Emeritus Professor | Internal Medicine, Endocrinology and Metabolism | Pathophysiology of diabetes and obesity | Mentor | N/A | N/A | N/A | 3 | 7 | 5 |
| Long-Sheng Song | MD | Professor | Internal Medicine, Cardiovascular Medicine | Mechanisms underlying heart failure, arrhythmias, obesity and diabetes, develop therapeutic strategies | Mentor | N/A | N/A | N/A | 1 | 7 | 6 |

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| Douglas Spitz | PhD | Professor | Radiation Oncology, Free Radical and Radiation Biology | The role of metabolic oxidative stress in diabetes and obesity | Mentor | N/A | N/A | N/A | 2 | 8 | 8 |
| Samuel Stephens | PhD | Assistant Professor | Internal Medicine, Endocrinology and Metabolism | Mechanisms of proinsulin trafficking and insulin secretion in pancreatic islet beta-cells | Mentor | N/A | N/A | N/A | 0 | 0 | 0 |
| Stefan Strack | PhD | Professor | Neuroscience and Pharmacology | Mechanisms of neurodegenerative and neurodevelopmental disorders | Mentor | N/A | N/A | N/A | 2 | 2 | 2 |
| Eric B. Taylor | PhD | Associate Professor | Molecular Physiology and Biophysics | Mitochondrial mitochondrial and metabolic bases of disease | Mentor, Executive Committee Member | N/A | N/A | N/A | 2 | 4 | 4 |
| Aliye Uc | MD | Professor | Pediatrics, Gastroenterology, Radiation Oncology | Inflammatory disease of the pancreas | Mentor | N/A | N/A | N/A | 3 | 6 | 5 |
| Yuriy Usachev | PhD | Professor | Neuroscience and Pharmacology | Ca ²⁺ signaling in chronic pain and neurodegeneration | Mentor | N/A | N/A | N/A | 0 | 5 | 5 |
| Michael J. Welsh | MD | Professor | Internal Medicine, Pulmonary, Critical Care and Occupational Medicine, and Molecular Physiology | Lung biology, neuroscience, and disease | Mentor | N/A | N/A | N/A | 2 | 13 | 13 |

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| Ling Yang | PhD | Associate Professor | Anatomy and Cell Biology | Mechanisms of integration between organelle stress responses/inflammation in obesity and diabetes | Mentor | N/A | N/A | N/A | 2 | 1 | 1 |
| Mark Yorek | PhD | Professor | Internal Medicine, Endocrinology and Metabolism | Determining the etiology of obesity and diabetes-induced vascular and neural disease and developing a treatment for diabetic peripheral neuropathy | Mentor | N/A | N/A | N/A | 0 | 0 | 0 |