

## PROS Faculty Interest List

These faculty members at Baylor College of Medicine have expressed an interest in meeting postdoctoral candidates for positions in their lab. This list is non-exhaustive. Please also explore the additional methods listed on the ["Find a Mentor"](#) page to identify potential mentors.

Faculty Name	Keywords	Email	Department or Center
<a href="#">Robert Britton</a>	Microbiome, Microbial Therapeutics, Bacterial Engineering, Microbial Ecology, Hormone/Microbiome Interactions	robert.britton@bcm.edu	Molecular Virology and Microbiology
<a href="#">Hsiao-Tuan Chao</a>	Neurodevelopment, Inhibitory Neurons, Epilepsy, Autism, Ataxia, Fruit Fly And Mouse Models, Neurodevelopmental Disorders, Neurophysiology	hc140077@bcm.edu	Molecular and Human Genetics, Pediatrics, Neuroscience
<a href="#">Rui Chen</a>	Single Cell, Genomics, Genetics, Retinal Diseases, Mice Model, Perturb-Seq	ruichen@bcm.edu	Human Genome Sequencing Center
<a href="#">Chao Cheng</a>	Bioinformatics, Computational Biology, Cancer Genomics, Biomarkers, Machine Learning, Systems Biology	chao.cheng@bcm.edu	Medicine
<a href="#">Tom Cooper</a>	Muscular Dystrophy, Alternative Splicing, RNA Processing, Mouse Models, Postnatal Development, CRISPR In Vivo	tcooper@bcm.edu	Pathology & Immunology; Molecular & Cellular Biology; Molecular Physiology & Biophysics
<a href="#">Alan Davis</a>	Stem Cells For Bone, Bone Morphogenetic Protein 2, Single-Cell RNA Seq, ATACseq, Epigenetic Reprogramming	ardavis@bcm.edu	Center for Cell and Gene Therapy
<a href="#">Teresa Davis</a>	Nutrition, Pediatrics, Muscle, Protein Synthesis, Amino Acids, Growth	tdavis@bcm.edu	Pediatrics
<a href="#">Cintia S. de Paiva</a>	Aging, Dry Eye, Ocular Surface, Immunology	cintiadp@bcm.edu	Ophthalmology
<a href="#">Gloria Echeverria</a>	Breast Cancer, Tumor Metabolism, Intra-Tumor Heterogeneity, Tumor Evolution, Tumor Microenvironment, Cancer Therapeutics	gloria.echeverria@bcm.edu	Breast Center, DLDC, MCB, Medicine
<a href="#">Loning Fu</a>	Obesity Related Cancer, Circadian Homeostasis, Translational Studies, Obesity & Metabolic Syndrome, Neuroendocrine Homeostasis, Oncogenes And Tumor Suppressors	loningf@bcm.edu	Medicine, Molecular and Cellular Biology
<a href="#">Fabrizio Gabbiani</a>	Electrophysiology, Genome Editing, Behavioral Plasticity, Collision Avoidance, Computational Neuroscience, RNA-Sequencing	gabbiani@bcm.edu	Neuroscience
<a href="#">Yohannes Ghebre</a>	Tissue Inflammation, Tissue Fibrosis, Radiosensitization Of Cancer Cells, Drug Discovery, Drug Development, Drug Repurposing	yohannes.ghebre@bcm.edu	Radiation Oncology

Faculty Name	Keywords	Email	Department or Center
<a href="#">Daniel Aaron Gorelick</a>	Zebrafish, Developmental Biology, Genetics, Gene-Environment Interactions	gorelick@bcm.edu	Center for Precision Environmental Health
<a href="#">Andy Groves</a>	Development, Regeneration, Inner Ear, Epigenetics, Imaging, Mouse Genetics	akgroves@bcm.edu	Neuroscience / Molecular and Human Genetics
<a href="#">Susan Hamilton</a>	Skeletal Muscle Disease, Excitation-Contraction Coupling, Malignant Hyperthermia, RYR1 Myopathy, Ryanodine Receptors, Calcium Channels	susanh@bcm.edu	Molecular Physiology and Biophysics
<a href="#">Joanna Jankowsky</a>	Alzheimer's Disease, Mouse Models Of Disease, Viral Circuit Manipulation, Gene Therapy, Cognitive Resilience, Selective Neuron Vulnerability	jankowsk@bcm.edu	Neuroscience
<a href="#">Xiaolong Jiang</a>	Circuit, Single-Cell RNA-Seq, Patch Clamp, Electrophysiology, Connectivity, Neurons	xiaolongj@bcm.edu	Neuroscience
<a href="#">Benny Kaipparattu</a>	Cancer, Metabolism, Mitochondria, Metastasis, Translation, Immunology	kaippare@bcm.edu	Molecular and Human Genetics
<a href="#">Katherine King</a>	Hematopoietic Stem Cells, Infection, Inflammation, Bone Marrow Failure, Clonal Hematopoiesis, Trained Immunity	kyk@bcm.edu	Pediatrics, Infectious Diseases / Stem Cells and Regenerative Medicine
<a href="#">Vaishnav Krishnan</a>	Epilepsy, Mouse Emotional Behaviors, Home-Cage Monitoring, Autism, Depression	vkrish@bcm.edu	Neurology
<a href="#">Brendan Lee</a>	Skeletal Genetics, Osteoporosis, Osteoarthritis, Nitric Oxide, Extracellular Matrix, Signaling	blee@bcm.edu	Molecular and Human Genetics
<a href="#">Hongjie Li</a>	Bioinformatics, Single-Cell Sequencing, Aging, Neurodegeneration, Cancer, Drosophila	hongjie.li@bcm.edu	Huffington Center on Aging and Molecular and Human Genetics
<a href="#">Yong Li</a>	Cancer, Immunotherapy, Immunology, p53, NF-kB, Artificial Intelligence	yong.li@bcm.edu	Medicine
<a href="#">Krithika Lingappan</a>	Lung, Vascular Biology, Development, Flow Cytometry, Sex-Specific Differences, Endothelial-Mesenchymal Transition	lingappa@bcm.edu	Pediatrics
<a href="#">Mirjana Maletic-Savatic</a>	Neurogenesis, Aging, Alzheimer'S Disease, Lipid Metabolism, Stem Cells, Human Brain Organoids	maletics@bcm.edu	Jan and Dan Duncan Neurological Research Institute
<a href="#">Javier Medina</a>	Computational Neuroscience, Neural Networks, Supervised Learning, Optogenetics, Neuropixels, Schizophrenia And Movement Disorders	jfmedina@bcm.edu	Neuroscience

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<a href="#">Maksim Mamonkin</a>	CAR T-cells, Immunotherapy	mamonkin@bcm.edu	Center for Cell and Gene Therapy
<a href="#">Matthew James McGinley</a>	Value-based Decision Making, In-vivo Physiology, Computational Modeling, Auditory System, Neurological Disorders, Device Neuroengineering	mmcginle@bcm.edu	Neuroscience
<a href="#">Diana Monsivais</a>	Cancer, Reproduction, Infertility, Endometrium, Genetics	dmonsiva@bcm.edu	Pathology & Immunology
<a href="#">Anthony Mustoe</a>	RNA Structure, Genomics, Gene Regulation, Cancer, Computational Biology,	anthony.mustoe@bcm.edu	Biochemistry & Molecular Biology
<a href="#">Eric Van Nostrand</a>	RNA, Genomics, Bioinformatics, Splicing, Translation	eric.vannostrand@bcm.edu	Biochemistry
<a href="#">James Orengo</a>	Motor Neuron Disease, Neurodegeneration, Mouse Models, Zebrafish Models, Human I Neurons, ALS	joo445o4@bcm.edu	Neurology
<a href="#">Katy Patras</a>	Host-pathogen interactions, Microbiome, Women's Health, Urinary Tract Infections, Therapeutic Microbiology	katy.patras@bcm.edu	Molecular Virology and Microbiology
<a href="#">Russell Ray</a>	Neural Circuit Mapping, Control Of Breathing, SIDS And Rett Syndrome, Neurodegenerative Disorders, Autonomic Function, SARS-CoV-2 Brain Invasion	russell.ray@bcm.edu	Neuroscience
<a href="#">Melanie Samuel</a>	Neuron, Synapse, Circuits, Alzheimer'S Disease, Bioinformatics, Nanoscopic Imaging	msamuel@bcm.edu	Neuroscience, Huffington Center on Aging
<a href="#">Joshua Shulman</a>	Alzheimer's disease, Parkinson's disease, Genomics, Drosophila, Endolysosomal Pathway, Synapse	joshua.shulman@bcm.edu	Neurology, Neuroscience, and Molecular and Human Genetics
<a href="#">Lanlan Shen</a>	Epigenetics, Intestinal Stem Cells, Cancer, Epigenetic Therapy, Epigenetic Probiotics, Gut Microbiome	lanlan.shen@bcm.edu	Pediatrics
<a href="#">Arun Sreekumar</a>	Metabolism, Prostate Cancer, Breast Cancer, Health Disparity, OMIC-Integration, Biomarkers And Metabolite -Based Therapeutics	arun.sreekumar@bcm.edu	Molecular Cell Biology
<a href="#">François St-Pierre</a>	Development of Genetically Encoded Indicators, Voltage Imaging, Synthetic Biology, Optogenetics, Fluorescence Imaging	stpierre@bcm.edu	Neuroscience
<a href="#">Francis Tsai</a>	Proteostasis, Molecular Chaperones, Protein Machines, Molecular Biology, Protein Biochemistry, Enzymology	ftsai@bcm.edu	Biochemistry

Faculty Name	Keywords	Email	Department or Center
<a href="#">Cheryl Lyn Walker</a>	Epigenetics/Epigenomics, Cancer, Cell Biology, Bioinformatics, Next-Generation Sequencing, Environmental Exposures	cheryl.walker@bcm.edu	Center for Precision Environmental Health
<a href="#">Rob Waterland</a>	Epigenetics, Development, Epigenomics, Computational Biology, Obesity, Nutrition	waterland@bcm.edu	Pediatrics, Genetics
<a href="#">Theodore Wensel</a>	Membrane Biophysics, Signal Transduction, Cryo-EM, Superresolution, Neuroscience, Neurodegeneration	twensel@bcm.edu	Biochemistry & Molecular Biology
<a href="#">Tao Wu</a>	Epigenetics, Cancer Therapeutic Resistance, Innate Immunity, Cancer Stem Cell, Genomics, Bioinformatics	tao.wu@bcm.edu	Molecular and Human Genetics
<a href="#">Mingshan Xue</a>	Synaptic Disorders, Epilepsy, Gene Therapy, Cortical Circuit, Synaptic Plasticity, GABAergic Inhibitory Neurons, Optogenetic Tool Development	mxue@bcm.edu	Neuroscience
<a href="#">Feng Yang</a>	MAPK4 Biology In Human Cancers, Signaling Pathways Regulating Prostate Cancer, Therapy-Resistance Of Human Cancers, Mouse Models For Human Cancers, Breast Cancer/TNBC,	fyang@bcm.edu	Molecular and Cellular Biology
<a href="#">Nicolas Leon Young</a>	Epigenetics, Proteomics, Chromatin, Aging, Cancer, Histones	nicolas.young@bcm.edu	Biochemistry & Molecular Biology
<a href="#">Lilei Zhang</a>	Heart Failure, Circadian Rhythm, Epigenetics, Alternative Splicing, Inherited Cardiomyopathy, iPSC	lileiz@bcm.edu	Molecular and Human Genetics
<a href="#">Hui Zheng</a>	Alzheimer's Disease, Aging, Neuroinflammation, Lysosome, Tau, Complement Pathway	huiz@bcm.edu	Huffington Center on Aging
<a href="#">NHLBI T32 in Cardiovascular Surgery</a>	Cardiovascular Surgery, Multi-Institutional, Clinical And Outcomes Research, Basic And Translational Research, Bioengineering & Biodesign	yiqunw@bcm.edu	Surgery
<a href="#">Children's Nutrition Research Center Postdoctoral Fellowship</a>	Nutrition, Children, Maternal, Lactating, Research	tdavis@bcm.edu	Pediatrics - Nutrition