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Biochemistry & Molecular Biology	Curt Hines, PhD
Biochemistry & Molecular Biology	Chien-An "Andy" Hu, PhD
Biochemistry & Molecular Biology	Meilian Liu, PhD
Biochemistry & Molecular Biology	Mark McCormick, PhD
Biochemistry & Molecular Biology	Xiang Xue, PhD
Cell Biology & Physiology	Amy Gardiner, PhD
Cell Biology & Physiology	Laura González Bosc, PhD
Cell Biology & Physiology	Helen Hathaway, PhD
Cell Biology & Physiology	Nikki Jernigan, PhD
Cell Biology & Physiology	Nancy Kanagy, PhD
Cell Biology & Physiology	Jay Naik, PhD
Cell Biology & Physiology	Tom Resta, PhD
Cell Biology & Physiology	Sara G.M. Piccirillo, PhD
IM	Peng Mao, PhD
IM: Cancer Center	Dario Marchetti, PhD
IM: Cancer Center	Alan Tomkinson, PhD

IM: Div. of Epidemiology, Biosts & Prev Med & Cancer Center	Prajakta Adsul, MBBS, MPH, PhD
IM: Div. of Epidemiology, Biosts & Prev Me	Kimberly Page, PhD, MPH
IM: Epidemiology, Biostatistics	Yiliang Zhu, PhD
IM: Gastroenterology	Eliseo Castillo, PhD
IM: Gastroenterology	Julie In, PhD
IM: Gastroenterology	Olga Kovbasnjuk, PhD
IM: Hematology/Oncology	Matthew Fero, MD
IM: Infectious Diseases	Steven Bradfute, PhD
IM: Molecular Medicine	Scott Ness, PhD
IM: Molecular Medicine	Eric Prossnitz, PhD
IM: Molecular Medicine	Hua-Ying Fan, PhD
IM: Molecular Medicine	Yan Guo, PhD
Molecular Medicine	Eric Barte
IM: Nephrology	Brent Wagner, MD
IM: Nephrology, Center for Healthcare Equity in Kidney Disease (CHEK-D)	Larissa Myaskovsky, PhD
IM: Translational Informatics Div.	Tudor Oprea, MD, PhD
Molecular Genetics & Microbiology	Kiran Bhaskar, PhD
Molecular Genetics & Microbiology	Judy Cannon, PhD
Molecular Genetics & Microbiology	Bryce Chackerian, PhD
Molecular Genetics & Microbiology	Kathryn Fietze, PhD

Molecular Genetics & Microbiology	Alison Kell, PhD
Molecular Genetics & Microbiology	Michael Mandell, PhD
Molecular Genetics & Microbiology	Mary Ann Osley, PhD
Molecular Genetics & Microbiology	Michelle Ozbun, PhD
Molecular Genetics & Microbiology	David Peabody, PhD
Molecular Genetics & Microbiology	Xuexian Yang, PhD
Molecular Genetics & Microbiology and AIM Center	Vojo Deretic, PhD
Molecular Genetics & Microbiology	Jing Pu, PhD
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Neurology	Stefan Posse, PhD
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Neurosciences	LeeAnna Cunningham
Neurosciences	Sam McKenzie, PhD
Neurosciences	Nikolaos Mellios MD, PhD
Neurosciences	Erin Milligan, PhD
Neurosciences	Russell Morton, PhD
Neurosciences	Fernando Valenzuela MD PhD
Neurosciences	Jason Weick, PhD
Neurosciences	Tou Yia Vue, PhD
Neurosciences	C. William Shuttleworth
Neurosciences	David N. Linsenhardt, PhD
Pathology	Elaine L. Bearer, MD, PhD

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Pathology	Diane Lidke, PhD
Pathology	Aaron Neumann, PhD
Pathology	Larry Sklar, PhD
Pathology	Mara P. Steinkamp, PhD
Pathology	Angela Wandinger-Ness, PhD
Pathology	Tione Buranda
Pathology	Alexandre Chigaev
Pathology, Chem & Biological Engineering	Rama Gullapalli, MD, PhD
Pediatrics	Darrell L. Dinwiddie, PhD
Pediatrics: Hematology-Oncology	Ksenia Matlawska-Wasowska, PhD
Pharmaceutical Sciences	Alicia Bolt, PhD
Pharmaceutical Sciences	Matthew Campen, PhD
Pharmaceutical Sciences	Pam Hall, PhD
Pharmaceutical Sciences	Laurie Hudson, PhD
Pharmaceutical Sciences	Jim Liu, PhD
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Research Topic/Interest	Student slots	Rotations
Breast Cancer; Microenvironment and cell interactions	Maybe 1	1 fall 1 spring
Necroptosis, Autophagy, Apoptosis, Cancer, Atherosclerosis	Maybe 1	Maybe 1
Adipose biology; brown adipocyte; inflammation; obesity; diabetes	1	1
Aging	Up to 2	1-3
Iron metabolism, colitis, colorectal cancer, hypoxia signaling	Up to 2	Up to 3
miRNA in cancer and angiogenesis		
Vascular physiology, cell signaling, inflammation	0	1 Spring
Breast cancer, estrogen signaling, tumor microenvironment	Maybe 1	1 Fall 1 Spr
Cardiovascular, pulmonary function, smooth muscle, mitochondria dysfunction, calcium signaling	Maybe 1	1 late Fall 1 Spr
Endothelial biology, cardiovascular, cell signaling	0	0
Cardiovascular, endothelial dysfunction, atherosclerosis, exosomes	1 maybe	1 fall 1 spring
Pulmonary hypertension; pulmonary circulation; endothelial physiology; vascular smooth muscle signaling; oxidant signaling	0	0
Brain tumors, cancer genomics, stem cells	Maybe 1 (will know ea	1 Spr
Cancer Mutation, Genome stability, Genomics, Bioinformatics	1 or 2	1 or 2
Translational cancer biology, Circulating Tumor Cells (CTCs), Liquid biopsy, Brain metastasis, Cancer stem cells and CSC signaling pathways, Interplays of cancer dormancy vs. proliferation/metastasis, Notch1	Up to 3	1 to 3
DNA repair, DNA replication, DNA ligase, DNA repair inhibitors	1	2

Much of my work focuses on studying the implementation of evidence-based interventions for cancer prevention and control in clinical and community settings. With this goal, there are several opportunities to either join ongoing projects and or propose projects relevant to the New Mexico clinical and community settings. Examples of current projects include: reviewing current cancer prevention and control state plans to identify opportunities for implementing evidence based interventions and mixed methods research to understand the context of how cancer screening services are provided in primary care settings across Albuquerque.	1	1
	Maybe 1	1 Fall 1 Spr
Research Meth/Tools (Study Design, Biostats); Health Risk Assessment; Health Outcome Research; Health Policy; New Data Analytics	1	1
Mucosal/Gut Immunology, Inflammation, Macrophages, intestinal epithelial cell biology, Metabolism, Inflammatory bowel disease, Metabolic Syndrome	Maybe 1	3
colonic regeneration, stem cells, wnt and hedgehog signaling, celiac disease	0	1
Cancer biology, miRNA, cell cycle, stem cells	0	0
Filovirus, Zika, Hanta, vaccination, immunity	0	0
Transcriptional regulation, cancer, genomics	1 or 2	1 or 2
Cancer, Diabetes, Inflammation Obesity, Vascular Physiology	1	2
Epigenetics, DNA repair, Transcription memory, Chromatin remodeling, Premature Syndrome	0	0
Bioinformatics, genomics, Cancer	1	1
cancer immunotherapy	1	1-3
Health care equity, health services research, clinical epidemiology, disparities, health behavior	1	1 for fall and spring
AI, data science, drug discovery, informatics, translational research	1 Avail	1 Spr
Alzheimer's disease, tau, microglia, neuroinflammation, neurodegenerative diseases.	0	2-Jan
T cell immunology, computational biology, infectious disease, cell migration, T cell leukemia	1	1 fall, 1 spring
Vaccines for infectious and chronic diseases	Maybe 1	2
Vaccines, infectious disease, antibodies, diagnostics	Maybe 1	Maybe 1 Spr

Virus-host interactions, innate immunity, inflammation, endothelial immunity, virology	1	2
autophagy, inflammation, HIV	Maybe 1	1
cellular quiescence; chromatin and transcription, DNA repair and replication	0	1 Spr
viral oncology, cell signaling, papillomaviruses, epithelial biology, wound response	0	0
Vaccine discovery by molecular mimicry	0	0
Immunity, autoimmunity, allergy, inflammation, autophagy	1 or 2	1 Fall 1 Spr
Autophagy		1
Cancer biology, Cell metabolism, Cellular organelle Dynamics, Cell signaling, Imaging	1	3
Cerebral stroke, neuroinflammation, aging, neuroprotection, tyrosine phosphatases	Maybe 1	1 Fall 1 Spr
Functional and spectroscopic MRI: Development of novel diagnostic MRI methods for characterizing human brain function and physiology.Presurgical mapping in patients with brain tumors.	1, possibly 2	1 Fall 1 Spr
Executive control, substance abuse, synaptic plasticity,	1	1 Fall 1 Spr
Adult hippocampal neurogenesis	Maybe 1	1 fall and/or 1 spring
Epilepsy, memory, neural plasticity and neural coding	Possibly 1	1 spring 2020
Role of circular RNAs and miRNAs in neuropsychiatric and fetal alcohol syndrome disorders	1	2
Glial biology, Neuroimmune interactions, Pain therapeutics, Prenatal alcohol exposure	1	1 Spr 2020
Brain Injury, electrophysiology, in-vivo imaging	Maybe 1	1 Fall Spr
Development, synaptic, alcohol, neurotransmission, neurophysiology	1	1 Fall 1 Spr
Pluripotent stem cells, synaptic physiology, single cell RNA-sequencing, optogenetics	1	3
neural development, brain tumor development, transcription factor function, glial cell fate specification	Maybe 1	1 Spr 2021
Behavior, Neurophysiology, Genetics, Substance Use/Abuse, RNA-sequencing/bioinformatics, computational neuroscience, machine learning	1	1 Fall Spr
Brain imaging, epigenetics, PTSD, Autism, pediatric trauma & brain development, Alzheimer's & dementia, BigData modeling	Maybe 1	1 Fall 1 Spr

Stem cell and Cancer cell biology; Cell Signaling; Bone marrow niche	Maybe 1	1 Fall 1 Spr
Cell Signaling, Fluorescence Microscopy, Biophysics, Cancer, Allergy	0	0
Innate immune recognition of fungal pathogens, immunoreceptor signaling and membrane dynamics	Maybe 1	1 Fall Spring 1
Drug discovery and repurposing, integrin, efflux transporter, GTPase, GPCR	0	0
ErbB receptors, ovarian cancer, PDX models, xenografts, kinase inhibitors	Maybe 1	1
Drug discovery, Ovarian Cancer, Rac and Rab GTPases	0	0-Jan
Hepatobiliary Cancer, Genomics, Bioinformatics, Systems Biology, Heavy metal toxicology	1	1 Fall 1 Spring
Infectious Diseases, Genomics, Next-Generation Sequencing, Respiratory Viruses, Host Immune Response	Maybe 1	1 Fall Spr 1
leukemia cell biology, cell signaling, genetics, novel therapeutics	1	1 Spr
Metal Toxicology; Cancer Biology; Tumor Microenvironment; Immunotoxicity, Bone Biology	1	1 Fall 1 Spr
Health effects of inhaled toxicants, including cardiovascular, pulmonary, and neural	0	1 Spr
Staphylococcus aureus, host-pathogen interactions, innate immunity, vaccines	Maybe 1	Maybe 1 Fall or Spr
Metal toxicity and carcinogenesis, environmental cancer, DNA repair, whole genome sequencing	1	1 Fall 1 Spr
Vaccine efficacy and stabilization, microparticles, needle-free drug and vaccine administration	Maybe 1	1 Fall Spr 1
Environmental health, toxicology, vascular, Native American health, neuroscience, air pollution, preeclampsia, atherosclerosis	Maybe 1	Maybe 1
Diagnosing mild traumatic brain injury with small animal and clinical PET/MRI, and developing novel liver cancer therapy using radioactive glass microspheres and quantitative PET imaging		

Recent Publications	Row Updated Date
Hines, 2016 Review: Hines 2011	5/20/20
N/A	2019
Lui, et. al. 2018	5/20/20
McCormick, et. al. 2018	05/08/20
Xue Google Scholar	5/7/20
	3/25/20
Gonzalez Bosc, et. al. 2018	5/20/20
Hathaway, et. al. 2019	2019
Jernigan, et. al. 2018	5/22/20
Kanagy, et. al. 2018	5/20/20
Naik, et. al. 2018	5/20/20
Resta, et. al. 2018	2019
Piccirillo, et al., 2018	5/13/20
Google Scholar Page	2019
Marchetti, et. al. 2019	3/24/20
	3/25/20

Adsul, et al., 2018	3/24/20
Page, et. al. 2018	2019
	2019
	5/26/20
In, et. al. 2019	3/25/20
	3/25/20
Fero, et. al. 2018	2019
Bradfute, et. al. 2018	5/8/20
Ness, et. al. 2018	2019
Prossnitz, 2019	5/22/20
Fan, et. al. 2018	2019
Guo, et. al. 2018	2019
Bartee, et. al. 2019	5/11/20
	3/25/20
	2019
Oprea, et. al. 2018	2019
Bhaskar, et. al. 2018	2019
Mrass et al. 2017	5/11/20
Chackerian, et. al. 2018	5/11/20
Frietze, et. al. 2018	2019

Kell et al. 2020	5/8/20
Mandell, et. al. 2018	5/20/20
Osley, et. al. 2018	5/22/20
Ozbun, et. al. 2018	2019
Peabody, et. al. 2018	5/26/20
Google Scholar Page	5/7/20
???	2019
Pu, et. Al. 2015	5/11/20
Paul, et. al. 2018	2019
Posse, et. al. 2019	5/22/20
Brigman, et. al. 2018	2019
Cunningham, et. al. 2019	3/25/20
McKenzie et al., 2020	5/8/20
Mellios, et. al. 2018	2019
Milligan, et. al. 2018	2019
Morton, et. al. 2018	2019
Valenzuela, et. al. 2018	5/18/20
Weick, et. al. 2018	2019
Vue, et. al. 2018	5/20/20
	3/25/20
https://www.ncbi.nlm.nih.gov/myncbi/1B_QlcktXjW/bibliography/public/	5/18/20
Bearer, et. al. 2018	2019

Gillette, et. al. 2018	2019
Lidke, et. al. 2018	2019
Neumann, et al, 2018	2019
Sklar, et. al. 2018	5/20/20
Steinkamp, et. al. 2018	5/20/20
Wandinger-Ness, et al. 2018	5/22/20
	3/25/20
	3/25/20
Gullapalli, et. al. 2018	5/22/20
Dinwiddie, et. al. 2018	2019
Matlawska-Wasowska, et. al. 2018	5/12/20
Bolt et. al. 2016 Bolt et al. 2015	6/3/20
Campen, et. al. 2018	2019
Hall, et. al. 2017 Hall, et. al. 2018 Hall, et. al. 2019	2019
	3/25/20
Liu, et. al. 2018	5/20/20
Muttill, et. al. 2018	5/25/20
Zychowski et al. 2018	5/20/20
Selwyn et. al. 2017	3/25/20
	2019