









MENTOR LIST

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Giordani, Bruno	PhD	Prof	Psychiatry	<a href="mailto:giordani@umich.edu">giordani@umich.edu</a>	Cognition, behavior, and quality of life in children and adults with sleep disordered breathing. Relationship of PSG measures to cognitive and behavioral outcome following adenotonsillectomy. Interaction of cognitive and behavioral factors in the development of mobility difficulties across the life-span.
Goldberg, Caren	MD	Prof	Pediatrics & Communicable Diseases	<a href="mailto:cgoldber@umich.edu">cgoldber@umich.edu</a>	Long term outcomes of children with congenital heart disease, with particular interest in neurodevelopmental and functional outcomes. Interest in preventive cardiology research
Hammer, Gary	MD, PhD	Prof	Internal Medicine	<a href="mailto:ghammer@umich.edu">ghammer@umich.edu</a>	Mechanisms by which signaling and transcriptional programs initiate growth and differentiation of adrenocortical stem cells during development; mechanisms of dysregulated growth in adrenal cancer
Hankenson, Kurt	PhD	Prof	Orthopaedic Surgery	<a href="mailto:kdhank@umich.edu">kdhank@umich.edu</a>	Studies the regulation of mesenchymal progenitor differentiation and maintenance of progenitor cell stemness, focused primarily on extracellular mediators of osteoblast differentiation (growth factors) and the resultant transcriptional processes that drive differentiation.
Haymart, Megan	MD	Assoc Prof	Internal Medicine	<a href="mailto:meganhay@umich.edu">meganhay@umich.edu</a>	Treatment Decision Making in Low-Risk Thyroid Cancer” and AHRQR01, “Imaging Practices and Overdiagnosis of Thyroid Cancer
Heisler, Michele	MD	Prof	Internal Medicine	<a href="mailto:mheisler@umich.edu">mheisler@umich.edu</a>	Health system and behavioral intervention to improve chronic disease self-management among patients, especially low-income, underserved populations
Helfrich, Yolanda	MD	Assoc Prof	Dermatology	<a href="mailto:yolanda@umich.edu">yolanda@umich.edu</a>	Research interests include: the clinical and molecular features of rosacea; the molecular properties of stretched skin; and the effects of pharmacological treatment of dermatologic disease, with a special focus on psoriasis and inflammatory disorders of skin.
Henke, Peter	MD	Prof	Surgery	<a href="mailto:henke@umich.edu">henke@umich.edu</a>	Angiogenesis and venous thrombosis
Hershenson, Marc	MD	Prof	Pediatrics & Communicable Diseases	<a href="mailto:mhersh@umich.edu">mhersh@umich.edu</a>	Pathogenesis of rhinovirus-induced exacerbations of chronic airways diseases including asthma and COPD Role of mesenchymal stem cells in lung injury and repair. Signal transduction mechanisms underlying airway smooth muscle cell hypertrophy and differentiation in asthma

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Hirschl, Ronald	MD	Prof	Surgery	<a href="mailto:rhirschl@umich.edu">rhirschl@umich.edu</a>	Research has focused on extracorporeal life support as well as the development of devices for long term extracorporeal support in children and the artificial placenta for premature newborns
Hollingsworth, John	MD	Assoc Prof	Urology	<a href="mailto:kinks@umich.edu">kinks@umich.edu</a>	Understanding how patterns of interaction among primary care physicians influence care delivery
Iwashyna, Theodore	MD, PhD	Assoc Prof	Internal Medicine	<a href="mailto:tiwashyn@umich.edu">tiwashyn@umich.edu</a>	Advance Care Through Implementation Science in Cardiac And Lung Illnesses
Jepsen, Karl	PhD	Prof	Orthopaedic Surgery	<a href="mailto:kjepsen@umich.edu">kjepsen@umich.edu</a>	Applying mechanical principles in a systematic way to identify biomechanical mechanisms that explain why bones fail when they should not
Kaye, Keith	MD	Prof	Internal Medicine	<a href="mailto:keithka@umich.edu">keithka@umich.edu</a>	Evaluating the management of infections due to extensively-resistant Gram-negative bacilli and one innovative study funded by AHRQ focused on novel methods to prevent hospital-acquired infections
Kazerooni, Ella	MD	Prof	Radiology	<a href="mailto:ellakaz@umich.edu">ellakaz@umich.edu</a>	The study of multidetector CT for pulmonary embolism, cardiac disease and the evaluation of severely injured trauma patients, as well as the diagnosis, staging and treatment of diffuse lung disease, including emphysema and interstitial lung diseases
Koenig, Ronald	MD, PhD	Prof	Internal Medicine	<a href="mailto:rkoenig@umich.edu">rkoenig@umich.edu</a>	Thyroid hormone and thyroid hormone receptors. Thyroid cancer
Koschmann, Carl	MD	Assist Prof	Pediatrics & Communicable Diseases	<a href="mailto:ckoschma@umich.edu">ckoschma@umich.edu</a>	Pursues the molecular mechanisms by which recurrent mutations in pediatric high-grade glioma (HGG), including glioblastoma (GBM), anaplastic astrocytoma (AA) and diffuse intrinsic pontine glioma (DIPG) promotes tumor formation and affect treatment response
Lama, Vibha	MD	Prof	Internal Medicine	<a href="mailto:vlama@umich.edu">vlama@umich.edu</a>	Immune mediated fibrotic lung diseases Understanding the clinical variables predicting onset and course of fibrotic lung diseases The role of mesenchymal stem cell population in the pathogenesis of fibrotic responses in chronic rejection after lung transplantation and scleroderma
Lawrence, Theodore	MD, PhD	Prof	Radiation Oncology	<a href="mailto:tsl@umich.edu">tsl@umich.edu</a>	Mechanisms of radiosensitization for treatment of cancer; cell cycle changes and the apoptotic pathway; role of the epidermal growth factor receptor family in radiosensitization

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Lee, Joyce	MD	Prof	Pediatrics & Communicable Diseases	<a href="mailto:joyclee@umich.edu">joyclee@umich.edu</a>	Epidemiology, health outcomes, and quality of life for children with obesity and diabetes (type 1 and type 2)
Levi, Benjamin	MD	Assist Prof	Surgery	<a href="mailto:blevi@umich.edu">blevi@umich.edu</a>	Research interests focused on extremity trauma, heterotopic ossification, bone development, bone imaging and mesenchymal stem cells. My research and clinical training has been in centers of academic excellence and with experts in bone biology and trauma, with a concentrated research focus on bone development and trauma induced heterotopic ossification
Levine, Deborah	MD	Assoc Prof	Internal Medicine	<a href="mailto:deblevin@umich.edu">deblevin@umich.edu</a>	Research on the risk factors and outcomes of cardiovascular disease (CVD) and stroke with a focus on cognitive impairment and health disparities.
Li, Qing	MD	Assist Prof	Internal Medicine	<a href="mailto:lqing@umich.edu">lqing@umich.edu</a>	Mechanisms of hematopoietic stem cell regulation under physiologic condition and dysregulation during leukemogenesis
Likosky, Donald	PhD	Assoc Prof	Cardiac Surgery	<a href="mailto:likosky@umich.edu">likosky@umich.edu</a>	Cardiac surgery outcomes assessment & improvement
LiPuma, John	MD	Prof	Pediatrics & Communicable Diseases	<a href="mailto:lipuma@umich.edu">lipuma@umich.edu</a>	interested in the phylogenetics of bacteria recovered from CF airways has led to the naming of 37 novel bacterial species
Lombard, David	MD, PhD	Assoc Prof	Pathology	<a href="mailto:davidlom@umich.edu">davidlom@umich.edu</a>	Basic biology of aging and longevity
Lowenstein, Pedro	MD, PhD	Prof	Neurosurgery	<a href="mailto:pedrol@umich.edu">pedrol@umich.edu</a>	Discover the cellular, molecular, and neuroanatomical basis underlying the growth patterns of malignant brain tumors and the interactions between cancer cells with the tumor microenvironment, both in experimental models and in human patients suffering from brain tumors (glioma)
Luker, Gary	MD	Prof	Radiology	<a href="mailto:gluker@umich.edu">gluker@umich.edu</a>	Chemokines and chemokine receptors in primary and metastatic cancer Detection of circulating tumor cells Viral-host pathogenesis.
Lumeng, Julie	MD	Prof	Pediatrics & Communicable Diseases	<a href="mailto:jlumeng@umich.edu">jlumeng@umich.edu</a>	Development of eating behavior in children and psychosocial and behavioral risk factors for childhood obesity
Martin, Donna	MD, PhD	Prof	Pediatrics & Communicable Diseases	<a href="mailto:donnamm@umich.edu">donnamm@umich.edu</a>	Developmental disorders with a focus on human genetic syndromes including Rieger syndrome (studied in mouse Pitx2 mutants) and CHARGE syndrome (mutations in CHD7); identifying novel genes involved in autism

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Mychaliska, George	MD	Prof	Surgery	<a href="mailto:mychalis@umich.edu">mychalis@umich.edu</a>	Prenatal diagnosis and therapy, pulmonary development, and congenital diaphragmatic hernia
Nallamothu, Brahmajee	MD	Prof	Internal Medicine	<a href="mailto:bnallamo@umich.edu">bnallamo@umich.edu</a>	Optimizing delivery of cardiovascular services & procedures
Neitzel, Richard	PhD	Assoc Prof	Environmental Health Sciences, School of Public Health	<a href="mailto:rneitzel@umich.edu">rneitzel@umich.edu</a>	Research issues in noise-related issues, including the relationship between noise exposures and adverse hearing and cardiovascular outcomes, as well as potential interactions between noise and other hazards, such as ototoxic chemicals and unsafe workplace and community conditions. The causation and prevention of occupational and environmental injuries and separate – but overlapping – theme.
Newman-Casey, Paula	MD	Prof	Ophthalmology and Visual Science	<a href="mailto:panewman@umich.edu">panewman@umich.edu</a>	I developed and pilot tested the SEE (Support, Educate, Empower) program to offer personalized counseling and education to patients who are poorly adherent to their glaucoma medications as part of their ophthalmic care. In addition, my team developed and pilot tested a glaucoma-specific motivational interviewing training program for ophthalmic para-professional staff.
Nunez, Gabriel	MD	Prof	Pathology	<a href="mailto:bclx@umich.edu">bclx@umich.edu</a>	Mechanisms of innate immune response against microbial pathogens, particularly the role of Nod proteins in the inflammatory response; inflammatory disease role of inflammation in intestinal cancer, the microbiota in mucosal immunity
Mashour, George	MD, PhD	Prof	Anesthesiology	<a href="mailto:gmashour@umich.edu">gmashour@umich.edu</a>	Investigate the incidence of delayed emergence and potential co-morbidities and intraoperative events and management that may be associated with delayed emergence

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McInnis, Melvin	MD	Prof	Psychiatry	MENTOR LIST <a href="mailto:mmcinnis@umich.edu">mmcinnis@umich.edu</a>	Focus on the genetics of mood disorders
McKean, Erin	MD	Assoc Prof	Otolaryngology	<a href="mailto:elmk@umich.edu">elmk@umich.edu</a>	Research include: pituitary function after skull base radiation therapy; outcomes after transnasal endoscopic pituitary and sellar tumor resection; longitudinal skull base pathology database; cost and cost-benefit analyses in cranial base surgery; collaborative genomic sequencing and xenograft modeling of rare skull base tumors; and assisting in the conception and design of clinical trials that translate laboratory and clinical observations to improve outcomes of patients with diseases of the cranial base and head and neck.
Merajver, Sofia	MD, PhD	Prof	Internal Medicine	<a href="mailto:smerajve@umich.edu">smerajve@umich.edu</a>	Molecular genetics of aggressive breast cancer phenotypes and hereditary breast cancer. Angiogenesis, molecular therapeutics. Mathematical models of signal transduction and drug action
Meurer, William	MD	Assoc Prof	Emergency Medicine	<a href="mailto:wmeurer@umich.edu">wmeurer@umich.edu</a>	Early care of acute stroke, TBI, or post-cardiac arrest global cerebral injury
Moenter, Sue	PhD	Prof	Molecular & Integrated Physiology	<a href="mailto:smoenter@umich.edu">smoenter@umich.edu</a>	Role of obesity, diet, stress and prenatal exposure to various substances in fertility in animal models
Moniz, Michelle	MD	Assist Prof	Obstetrics and Gynecology	<a href="mailto:mmoniz@umich.edu">mmoniz@umich.edu</a>	Aim is to eliminate reproductive health disparities by improving access to high-quality contraceptive services
Moore, Bethany	PhD	Prof	Internal Medicine	<a href="mailto:bmoore@umich.edu">bmoore@umich.edu</a>	Chemokine and eicosanoid regulation of pulmonary fibrosis Innate and adaptive pulmonary host defense defects following bone marrow transplantation
Morgan, Daniel	MD	Prof	Obstetrics and Gynecology and Urology	<a href="mailto:morgand@umich.edu">morgand@umich.edu</a>	Research in health care services research and quality improvement. With subspecialty training in Female Pelvic Medicine & Reconstructive Surgery (FPMRS)
Morgan, Meredith	PhD	Assist Prof	Radiation Oncology	<a href="mailto:mmccrack@umich.edu">mmccrack@umich.edu</a>	Research is to improve the efficacy of standard therapy for locally advanced cancer through the development of molecularly targeted agents as tumor cell selective sensitizers, with a particular emphasis on locally advanced pancreatic cancer.
Morgenstern, Lewis	MD	Prof	Neurology	<a href="mailto:lmorgens@umich.edu">lmorgens@umich.edu</a>	Health disparities with respect to gender, race and ethnicity and stroke epidemiology Acute stroke treatment
Mortensen, Richard	MD, PhD	Prof	Molecular & Integrated Physiology	<a href="mailto:rmort@umich.edu">rmort@umich.edu</a>	Diabetes, obesity and cardiovascular disease  Transgenic models of human diseases in mice, and the mechanisms of these major cardiovascular risk factors
Parent, Jack	MD	Prof	Neurology	<a href="mailto:parent@umich.edu">parent@umich.edu</a>	Pluripotent stem cells; neural stem cells, plasticity and regeneration after brain injury; epileptogenesis

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Pesch, Megan	MD	Assist Prof	Pediatrics	<a href="mailto:pesch@umich.edu">pesch@umich.edu</a>	Research focuses on the diagnosis and treatment of congenital cytomegalovirus
Peters-Golden, Marc	MD	Prof	Internal Medicine	<a href="mailto:petersm@umich.edu">petersm@umich.edu</a>	Arachidonic acid metabolism in lung cells (macrophages, epithelial cells, fibroblasts), cell biology of prostaglandin and leukotriene-forming enzymes, role of arachidonate metabolites in immune responses, host defense, and inflammatory and fibrotic lung disease.
Pinals, Debra	MD	Prof	Psychiatry	<a href="mailto:dpinals@umich.edu">dpinals@umich.edu</a>	Research on complex systems cases for people with mental illness, substance use disorder, and intellectual and developmental disabilities who are receiving treatment or support in various places- such as in state hospitals, community and carceral and forensic settings.
Pinsky, David	MD	Prof	Internal Medicine	<a href="mailto:dpinsky@umich.edu">dpinsky@umich.edu</a>	Develop new insights into endogenous mechanisms of ischemic vascular injury and protection, in order to develop new therapeutic strategies targeted at the intersection of thrombotic, fibrinolytic, and inflammatory axes
Pop-Busui, Rodica	MD, PhD	Prof	Internal Medicine	<a href="mailto:rpbusui@umich.edu">rpbusui@umich.edu</a>	Diabetes and diabetes complications, with a focus on diabetic autonomic and peripheral neuropathy
Popovich, Michael	MD	Assist Prof	Neurology	<a href="mailto:mipopovi@umich.edu">mipopovi@umich.edu</a>	Research focus on sport-related concussion, particularly the use of exercise in the management of concussion
Prescott, Hallie	MD	Assist Prof	Internal Medicine	<a href="mailto:hprescot@umich.edu">hprescot@umich.edu</a>	Research is to understand and improve recovery after acute illness, concentrating on healthcare use and hospital readmission
Rao, Krishna	MD	Assist Prof	Internal Medicine	<a href="mailto:krirao@umich.edu">krirao@umich.edu</a>	Research is developing biomarker-based predictive models for infections and their outcomes. If such models can accurately risk stratify patients early in the disease process, this could allow clinicians to better allocate treatment resources and improve outcomes.
Rao, Rajesh	MD	Assist Prof	Ophthalmology and Visual Sciences	<a href="mailto:rajeshr@umich.edu">rajeshr@umich.edu</a>	Exploit the power of epigenetics, stem cells, and regenerative medicine to discover new treatments for blindness.
Reddy, Rishindra	MD	Assoc Prof	Surgery	<a href="mailto:redrym@umich.edu">redrym@umich.edu</a>	Circulating tumor cells in lung cancer, health disparities due to race and socioeconomic status in esophageal and lung cancer care, medical and resident education quality improvement
Rehemtulla, Alnawaz	PhD	Prof	Radiation Oncology	<a href="mailto:alnawaz@umich.edu">alnawaz@umich.edu</a>	Non-invasive detection of molecular events in live animals (Molecular Imaging).
Richardson, Caroline	MD	Prof	Family Medicine	<a href="mailto:caroli@umich.edu">caroli@umich.edu</a>	Physical activity and chronic disease, diabetes, obesity, heart disease risk factor modification, health behavior change

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Schipani, Ernestina	MD, PhD	Prof	Orthopaedic Surgery	<a href="mailto:eschipan@umich.edu">eschipan@umich.edu</a>	Testing the hypothesis that the hypoxia signaling pathway controls cell survival and differentiation during skeletal development.
Scott, Jonathan	MD	Assist Prof	Surgery	<a href="mailto:jwsco@umich.edu">jwsco@umich.edu</a>	Research focus on evaluating the long-term impact of injury—beyond the traditional focus on inpatient outcomes— and rigorously evaluating the components of health insurance policy design that can optimize these long-term outcomes
Sears, Erika	MD	Assist Prof	Plastic Surgery	<a href="mailto:endavis@umich.edu">endavis@umich.edu</a>	Research focuses on the efficiency and value of surgical care, both before and after surgery.
Silbergleit, Robert	MD	Prof	Emergency Medicine	<a href="mailto:robie@umich.edu">robie@umich.edu</a>	Prehospital treatment of status epilepticus
Sisson, Thomas	MD	Prof	Internal Medicine	<a href="mailto:tsisson@umich.edu">tsisson@umich.edu</a>	Role of Plasminogen Activator in Removal of Provisional Fiber Matrix
Speliotis, Elizabeth	MD, PhD	Assoc Prof	Internal Medicine	<a href="mailto:espeliot@umich.edu">espeliot@umich.edu</a>	Genetics of obesity and NAFLD
Spence, Jason	PhD	Assoc Prof	Internal Medicine	<a href="mailto:spencejr@umich.edu">spencejr@umich.edu</a>	Emphasis on directing differentiation of pluripotent stem cells into specific tissue lineages using developmental principles. model human kidney development in vitro using seminal work from others as a guide
Standiford, Theodore	MD	Prof	Internal Medicine	<a href="mailto:tstandif@umich.edu">tstandif@umich.edu</a>	Role of toll like receptors (TLRs) in the generation of inflammatory cytokines/chemokines required for protective innate immune responses of the lung
Stein, Joshua	MD	Prof	Ophthalmology and Visual Sciences	<a href="mailto:jdstein@umich.edu">jdstein@umich.edu</a>	Identification of novel risk factors associated with the development or worsening of ocular conditions, and outcomes of common ocular surgeries.
Stojanovska, Jadranka	MD	Assist Prof	Radiology	<a href="mailto:jstoanov@umich.edu">jstoanov@umich.edu</a>	Research centers on imaging epicardial adipose tissue utilizing magnetic resonance (MR) sequences to characterize the lipid content, inflammation, and fibrosis.
Tejasvi, Trilokraj	MD	Assoc Prof	Dermatology	<a href="mailto:ttejasvi@umich.edu">ttejasvi@umich.edu</a>	developing algorithm for asynchronous telemedicine visits in dermatology and involved in resident education of the same to make them future ready.
Telem, Dana	MD	Prof	Surgery	<a href="mailto:dtelem@umich.edu">dtelem@umich.edu</a>	Research focus on improved adherence to evidence-based patient optimization practices prior to abdominal wall hernia repair as a case study

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Turgeon, Danielle Kim	MD	Prof	Internal Medicine	<a href="mailto:kturgeon@umich.edu">kturgeon@umich.edu</a>	I have an established and extensive record of protocol development, protocol implementation, subject recruitment, subject retention, and clinical data management skills as well as providing practical knowledge about clinical gastroenterology and endoscopy to support the clinical research endeavors.
Varban, Oliver	MD	Assoc Prof	Surgery	<a href="mailto:ovarban@umich.edu">ovarban@umich.edu</a>	Research projects involving patient outcomes with bariatric surgery.
Waits, Seth	MD	Assist Prof	Surgery	<a href="mailto:waitss@umich.edu">waitss@umich.edu</a>	Research is to better understand barriers to bariatric surgery among patients with end-stage kidney disease (ESKD).
Wakefield, Thomas	MD	Prof	Surgery	<a href="mailto:thomasww@umich.edu">thomasww@umich.edu</a>	Role of inflammation and selectins on venous thrombosis
Waljee, Jennifer	MD	Assoc Prof	Surgery	<a href="mailto:filip@umich.edu">filip@umich.edu</a>	Defining variation in perioperative pain management and developing best practices for opioid prescribing for acute pain following surgical care.
Wilkins, Edwin G.	MD	Prof	Plastic Surgery	<a href="mailto:ewilkins@umich.edu">ewilkins@umich.edu</a>	Research focuses on designing and conducting multi-center prospective studies assessing surgical interventions, with particular focus on patient-reported outcomes (PROs)
Wang, Michael	MD, PhD	Prof	Neurology	<a href="mailto:micwang@umich.edu">micwang@umich.edu</a>	Molecular and cellular biology of cerebrovascular diseases Steroid hormone regulation in nervous system injury Effects of stroke of sleep and circadian rhythms
Wicha, Max	MD	Prof	Internal Medicine	<a href="mailto:mwicha@umich.edu">mwicha@umich.edu</a>	Effects of extracellular matrix components on cell growth and differentiation. Cancer stem cells
Wong, Sunny	PhD	Assoc Prof	Dermatology	<a href="mailto:sunnyw@umich.edu">sunnyw@umich.edu</a>	Research involves with investigating basic and translational questions related to cutaneous biology, with a particular emphasis on skin cancer (basal cell carcinoma, BCC), ichthyosis, sebaceous gland biology, hair follicle morphogenesis and epithelial stem cells.
Xi, Guohua	MD	Prof	Neurosurgery	<a href="mailto:guohuaxi@umich.edu">guohuaxi@umich.edu</a>	Intracerebral hemorrhage; Brain edema; Preconditioning
Yang, Bo	MD	Assist Prof	Cardiac Surgery	<a href="mailto:boya@umich.edu">boya@umich.edu</a>	Understand the mechanism of the aneurysm in BAV, develop novel treatment to prevent thoracic aortic aneurysm in BAV and provide evidence to guide the timing of surgical intervention
Yanik, Greg	MD	Prof	Pediatrics & Communicable Diseases	<a href="mailto:gyanik@umich.edu">gyanik@umich.edu</a>	Understanding of the pathophysiology and treatment of both Idiopathic Pneumonia Syndrome (IPS) and Bronchiolitis Obliterans Syndrome (BOS)

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Zampi, Jeffrey	MD	Assist Prof	Pediatrics & Communicable Diseases	<a href="mailto:jzampi@umich.edu">jzampi@umich.edu</a>	Research focuses on outcomes assessment in congenital heart disease, particularly in patients receiving high-risk therapies.
Zopf, David	MD	Assist Prof	Otolaryngology	<a href="mailto:davidzop@umich.edu">davidzop@umich.edu</a>	Research focuses on biomedical and tissue engineering, computer aided design, and 3D printing with clinical efforts to provide the highest level of care and forge more effective therapies for patients worldwide.