

To participate in this NIH funded short-term research training program your mentor must be a University of Michigan faculty. In applying for this grant from the NIH, we supply a list of preferred mentors. This list is provided below. However, you can choose any University of Michigan faculty as your mentor, and we can add them as mentors to the training grant or your proposal can be funded using non-NIH funds. The NIH grant is funded by the National Heart Lung and Blood Institute and applications that fall into this general research area may be more likely to receive funds from the NIH pool. However, as you can see by the preferred mentor list below National Heart Lung and Blood Institute will support broad areas of research.

As of 1/4/2024

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Al-Holou, Wajd N.	MD	Asst Prof	Neurological Surgery	<a href="mailto:wna@umich.edu">wna@umich.edu</a>	Focused on understanding the mechanisms of treatment resistance in glioblastoma(GBM), defining treatment resistant cancer cell populations, and in identifying treatments to target these resistant populations that can ultimately be used to translate advancements in the laboratory to clinical therapies for GBM
Al-Khafaji, Jawad	MD	Assist Prof	Internal Medicine	<a href="mailto:jawadal@umich.edu">jawadal@umich.edu</a>	Research is focused on medical education, diagnostic error, and quality improvement
Andjelkovic-Zochowska, Anuska	MD, PhD	Prof	Pathology	<a href="mailto:anuskaa@umich.edu">anuskaa@umich.edu</a>	Neurovascular units remodeling in stroke, aging and Brain small vessels disease, Molecular mechanism of vascular dysfunction in cerebral cavernous malformation type-3, Blood brain barrier permeability in disease pathogenesis
Ayanian, John	MD	Prof	Internal Medicine	<a href="mailto:ayanian@umich.edu">ayanian@umich.edu</a>	Health policy and health services research related quality of care, and healthcare disparities; insurance coverage across disease
Barnes, Geoff	MD	Assoc Prof	Internal Medicine	<a href="mailto:gbarnes@umich.edu">gbarnes@umich.edu</a>	Improving care for patients with atrial fibrillation, venous thromboembolism, and other pro-thrombotic disorders
Belakovskiy, Aleksandr	MD	Assist Prof	Family Medicine	<a href="mailto:abelakov@umich.edu">abelakov@umich.edu</a>	Research includes preventative medicine, men's health, cardiovascular disease, undergraduate and graduate medical education.
Blazek, Mary	MD	Assoc Prof	Psychiatry	<a href="mailto:mblazek@umich.edu">mblazek@umich.edu</a>	interest in mental health care for older adults, with a special focus on the care of people with dementia and their caregivers, and undergraduate medical education about mental health in general and geriatric psychiatry in particular. During the Covid-19 pandemic I explored the abrupt transition to telepsychiatry.

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Bohnert, Amy	PhD	Prof	Psychiatry	<a href="mailto:amybohne@umich.edu">amybohne@umich.edu</a>	Analytical methods to understand risks of opioid and other substance use and to examine the impact of efforts to reduce these harms.
Brady, Graham	MD, PhD	Asst Prof	Internal Medicine	<a href="mailto:gbrady@umich.edu">gbrady@umich.edu</a>	I have been actively pursuing translational studies aimed at identifying variants in genes encoding nuclear lamina components in individuals with NAFLD, as well as exploring how these variants might contribute to disease progression. In addition to developing new experimental models of lamina related liver disease in mice and zebrafish
Brummett, Chad	MD	Prof	Anesthesiology	<a href="mailto:cbrummet@umich.edu">cbrummet@umich.edu</a>	Chronic pain syndromes; Analgesia
Buchman, Steven	MD	Prof	Surgery	<a href="mailto:sbuchman@umich.edu">sbuchman@umich.edu</a>	Bone regeneration
Byrne, Brendan	MD	Assist Prof	Emergency Medicine	<a href="mailto:btburns@umich.edu">btburns@umich.edu</a>	The First Five: Emergency Response for Everyone -- Implementing Bystander Training in Southeast Michigan. We propose that this new, smaller and more digestible educational format will provide better learner engagement and improve retention, rendering primary response education to trauma events in the civilian world more accessible to a broad audience and potentially saving lives.
Carethers, John	MD	Prof	Internal Medicine	<a href="mailto:jcarethe@umich.edu">jcarethe@umich.edu</a>	The areas of DNA mismatch repair, familial colorectal cancer syndromes, and colorectal cancer disparities.
Carey, Thomas	PhD	Prof	Otorhinolaryngology	<a href="mailto:careyte@umich.edu">careyte@umich.edu</a>	Genetic mechanism in head and neck cancer progression, and response to therapy; mechanisms of autoimmune hearing loss
Castanedo Tardan, Mari Paz	MD	Asst Prof	Dermatology	<a href="mailto:maripaz@umich.edu">maripaz@umich.edu</a>	Made the observation that the preservative methylisothiazolinone, was present on both leave-on as well as rinse-off personal care products in the market in the United States. At that point in time, contact allergy to methylisothiazolinone had only been described in Europe.
Castro, Maria	PhD	Prof	Neurosurgery	<a href="mailto:mariacas@umich.edu">mariacas@umich.edu</a>	epigenetic regulation of cancer progression; oncometabolites of brain tumors; therapies for adult and pediatric gliomas

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Cha, Kelly	MD, PhD	Assoc Prof	Dermatology	<a href="mailto:kellycha@umich.edu">kellycha@umich.edu</a>	My work in medical dermatology and the Multidisciplinary Melanoma Clinic, coupled with a background in Human Genetics, have naturally led to an interest in inherited predisposition to melanoma. I have collaborated with colleagues in Cancer Genetics to use whole genome sequencing to analyze a family with a strong history of melanoma and thyroid cancer for a pathogenic mutation, determined to be a new variant of <i>POT1</i> , and have described an adolescent with uveal melanoma and a melanoma predisposition syndrome.
Charpie, John	MD, PhD	Prof	Pediatrics & Communicable Diseases	<a href="mailto:jcharpie@umich.edu">jcharpie@umich.edu</a>	Myocardial ischemia-reperfusion injury Vascular endothelial dysfunction Outcomes following surgical repair of congenital heart disease in children
Chervin, Ronald	MD	Prof	Neurology	<a href="mailto:chervin@umich.edu">chervin@umich.edu</a>	Obstructive sleep apnea, excessive daytime sleepiness, effects of sleep disorders on driving ability Sleep deprivation and depression, sleep among college students Cognitive and behavioral consequences of sleep disorders in children Effects of sleep disorders on pregnant women and their newborn children
Chinnaiyan, Arul	MD, PhD	Prof	Pathology	<a href="mailto:arul@umich.edu">arul@umich.edu</a>	Cancer genomics and proteomics, metabolomics, bioinformatics, prostate cancer, breast cancer Application of integration and mining technologies to cancer research
Chung, Kevin	MD	Prof	Surgery	<a href="mailto:kecchung@umich.edu">kecchung@umich.edu</a>	Outcomes research, Clinical trials, Economic analysis in healthcare, Assessment of health care quality  Epidemiology and statistical issues in Surgery
Clauw, Daniel	MD	Prof	Anesthesiology	<a href="mailto:dclauw@umich.edu">dclauw@umich.edu</a>	Pain processing in chronic multisymptom illnesses including fibromyalgia, chronic fatigue syndrome  Gulf War Illnesses, and related disorders
Cooke, Colin	MD	Assoc Prof	Internal Medicine	<a href="mailto:cookecr@umich.edu">cookecr@umich.edu</a>	Focus on the epidemiology of critical illness. The research program seeks to identify how healthcare policy, the healthcare system, and individual patient characteristics interact to shape the quality and efficiency of ICU care delivery.

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Corfas, Gabriel	PhD	Prof	Otorhinolaryngology	<a href="mailto:corfas@umich.edu">corfas@umich.edu</a>	Understanding the mechanisms and roles of neuron-glia interactions in the central and peripheral nervous system
Dalton, Vanessa	MD	Prof	Obstetrics & Gynecology	<a href="mailto:daltonvk@umich.edu">daltonvk@umich.edu</a>	Early pregnancy failure, cancer screening and HPV vaccinations
Dickson, Robert	MD	Assoc Prof	Internal Medicine	<a href="mailto:rodickso@umich.edu">rodickso@umich.edu</a>	The role of respiratory microbiota in lung disease and critical illness
Dlugosz, Andrzej	MD	Prof	Dermatology	<a href="mailto:dlugosza@umich.edu">dlugosza@umich.edu</a>	Embryonic signaling pathways in regeneration, and cancer
Dossett, Lesly	MD	Assoc Prof	Surgery	<a href="mailto:ldossett@umich.edu">ldossett@umich.edu</a>	De-implementation of low-value cancer treatments. Considerable attention has focused on healthcare waste and low value care catalyzed in part through efforts such as the Choosing Wisely campaign. To date, much of this focus has been on unnecessary diagnostic testing or medical treatments such as antibiotics for viral infections.
Eagle, Kim	MD	Prof	Internal Medicine	<a href="mailto:keagle@umich.edu">keagle@umich.edu</a>	Studies of acute aortic syndromes Studies of methods to combat childhood obesity Studies of pacemaker reuse in third world nations
Ellimoottil, Chandy	MD	Assoc Prof	Urology	<a href="mailto:cellimoo@umich.edu">cellimoo@umich.edu</a>	I have developed expertise in insurance claims databases, including those for Medicare, Medicaid, Optum and Blue Cross Blue Shield. I was awarded a K08 career development grant, titled "Improving Video Visit Adoption by Surgeons," from the Agency for Healthcare Research and Quality.
Else, Tobias	MD	Assoc Prof	Internal Medicine	<a href="mailto:telse@umich.edu">telse@umich.edu</a>	Research interest is translational research on endocrine diseases with a particular focus on the genetic basis of adrenal tumors and hormone excess syndromes
Engel, James	PhD	Prof	Cell & Developmental Biology	<a href="mailto:engel@umich.edu">engel@umich.edu</a>	Molecular mechanisms that lead to tissue specification and function during mammalian embryogenesis focusing on hematopoiesis
Englesbe, Michael	MD	Prof	Surgery	<a href="mailto:englesbe@umich.edu">englesbe@umich.edu</a>	Relationship between frailty, body morphomics, and surgical outcomes Optimization of pre-operative preparation (exercise, education, etc...)
Felt, Barbara	MD	Prof	Pediatrics & Communicable Diseases	<a href="mailto:truefelt@umich.edu">truefelt@umich.edu</a>	Brain and behavioral consequences of iron deficiency anemia during development

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Flaherty, Kevin	MD	Prof	Internal Medicine	<a href="mailto:flaherty@umich.edu">flaherty@umich.edu</a>	Develop a scholarly niche in the study and care of patients with interstitial lung diseases
Franson, Andrea	MD	Asst Prof	Pediatrics	<a href="mailto:atflynn@umich.edu">atflynn@umich.edu</a>	Research focused on classification of neuroblastoma cell lines by their MYCN and/or ODC1 amplification, and testing the efficacy of DFMO and other polyamine depletion regimens in vitro and in vivo in promoting anti-tumor activities in neuroblastoma. I identified multiple cell lines that harbor both MYCN and ODC1 genetic amplification and validated a PCR workflow to identify ODC1 amplification.
Froehlich, James	MD	Prof	Internal Medicine	<a href="mailto:jfroehli@umich.edu">jfroehli@umich.edu</a>	Dissecting aortic aneurysms: analyzing the relationship between aneurysm size and the risk of dissection in women and men; Fibromuscular Dysplasia (FMD); Anticoagulation care and quality improvement
Fung, Christopher	MD	Assist Prof	Emergency Medicine	<a href="mailto:chfung@umich.edu">chfung@umich.edu</a>	Research interest in the use of non-invasive technologies, primarily bedside ultrasound, and its use in both initial diagnoses, monitoring and management of critical illnesses. More recently, as a result of the COVID19 pandemic.
Ganesh, Santhi	MD	Prof	Internal Medicine	<a href="mailto:sganesh@umich.edu">sganesh@umich.edu</a>	Genetics of vascular diseases and arterial remodeling
Ghaferi, Amir	MD	Prof	Surgery	<a href="mailto:aghaferi@umich.edu">aghaferi@umich.edu</a>	Characterize the mechanisms underlying variations in failure to rescue (FTR) across hospitals
Ghani, Khurshid	MD	Prof	Urology	<a href="mailto:kghani@umich.edu">kghani@umich.edu</a>	Improving surgical techniques for kidney stone surgery.
Ginsburg, David	MD	Prof	Internal Medicine	<a href="mailto:ginsburg@umich.edu">ginsburg@umich.edu</a>	Genetic studies of blood coagulation and thrombosis: von Willebrand factor (VWF), the genetics of von Willebrand Disease (VWD), and the plasminogen activation (PA) system (particularly the role of plasminogen activator inhibitor-1 (PAI-1) Vivo analysis of coagulation system function in transgenic mouse models and the identification of novel genes contributing to human bleeding and clotting disorders

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	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	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:mhershenson@umich.edu">mhershenson@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

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Hesson, Ashley	MD, PhD	Research Fellow	Obstetrics & Gynecology	<a href="mailto:ahesson@umich.edu">ahesson@umich.edu</a>	Focused on high-risk pregnancy, both in terms of clinical outcomes and counseling strategies. Investigations of the patient experience in Obstetrics as well as clinical research on hypertensive pregnancies.
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	Prof	Urology	<a href="mailto:kinks@umich.edu">kinks@umich.edu</a>	Understanding how patterns of interaction among primary care physicians influence care delivery
Hollon, Todd	MD	Asst Prof	Neurosurgery	<a href="mailto:tocho@umich.edu">tocho@umich.edu</a>	Label-free chemical contrast is highly desirable in biomedical imaging because it avoids the need for tissue processing with stains or dyes. Vibrational microscopies based on Raman scattering provide specific vibrational signatures of chemical bonds and reflect the biochemical composition of tissue.
Iwashyna, Theodore	MD, PhD	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	Assoc 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

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Kropf, Charles	MD	Instructor	Emergency Medicine	<a href="mailto:cwkropf@umich.edu">cwkropf@umich.edu</a>	The geriatric population in the emergency department has special needs that require additional time and care. Polypharmacy, hearing and vision loss, and decreasing social supports put this population at increased risk of poor outcomes in emergency care.
Kullgren, Jeffrey	MD	Assoc Prof	Internal Medicine	<a href="mailto:jkullgre@umich.edu">jkullgre@umich.edu</a>	Study finds the most people over 50 disagree with using life expectancy in guidelines for cancer screening tests.
Lagisetty, Kiran	MD	Asst Prof	Thoracic Surgery	<a href="mailto:klagiset@umich.edu">klagiset@umich.edu</a>	The current focus of our lab is to investigate the key genetic and immunologic changes which occur during Barrett's progression to EAC. Our work has demonstrated the role of RNF128 isoform switching which has an important role in the stabilization of mutant p53. In addition, we have performed large scale immunologic characterization of Barrett's esophagus as it progresses to low/high grade dysplasia and EAC.
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, Emma	MD	Asst Prof	Obstetrics & Gynecology	<a href="mailto:emmarl@umich.edu">emmarl@umich.edu</a>	Focuses on management of preeclampsia and eclampsia, given its important contribution to global maternal morbidity and mortality and disproportionate burden in Low and Middle Income Countries (LMIC).
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



Name	Degree(s)	Rank	Department	Email Address	Research Interest
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)
Levine, Deborah	MD	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	Assoc 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	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:jlipuma@umich.edu">jlipuma@umich.edu</a>	interested in the phylogenetics of bacteria recovered from CF airways has led to the naming of 37 novel bacterial species
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
Mahmoudi, Elham	PhD	Assoc Prof	Family Medicine	<a href="mailto:mahmoudi@umich.edu">mahmoudi@umich.edu</a>	Reducing racial and ethnic disparities in access to medical care has been an important national policy goal. However, sizable disparities in various areas of healthcare still exist. To eliminate disparities in access to healthcare, it is important to evaluate healthcare policies and their ameliorating or worsening effects on existing disparities.
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
Marsh, Erica	MD	Prof	Obstetrics & Gynecology	<a href="mailto:marshee@umich.edu">marshee@umich.edu</a>	I have applied community engaged approaches to research to identify educational opportunities that could address disparities in outcomes in gynecological conditions. These conditions include obesity, uterine fibroids, and abnormal uterine bleeding. I have also applied them study reproductive health in communities that are underrepresented in the medical literature i.e. the ELLAS R01 listed under funding

Name	Degree(s)	Rank	Department	Email Address	Research Interest
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
McInnis, Melvin	MD	Prof	Psychiatry	<a href="mailto:mmcinnis@umich.edu">mmcinnis@umich.edu</a>	Focus on the genetics of mood disorders
McKean, Erin	MD	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	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
Mody, Rajen	MD	Prof	Pediatrics	<a href="mailto:rmody@umich.edu">rmody@umich.edu</a>	I have been exploring genomic biomarkers and novel therapeutic targets in refractory / rare pediatric malignancies through a clinical study of integrative clinical sequencing (ICS) utilizing paired tumor / normal exome and tumor transcriptome sequencing in refractory/ rare pediatric cancer patients
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	Assoc 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
Monroe, Kim	MD	Assoc Prof	Pediatrics	<a href="mailto:monroek@umich.edu">monroek@umich.edu</a>	My strong interest in improving quality of care also includes improving communication between families, patients, and the medical team. The hospital experience can be confusing and frightening. I have worked with a multidisciplinary group of professionals where we have developed a detailed clinical protocol, clinical practice guideline and steering committee for the evaluation and management of pediatric somatic symptom disorders.

Name	Degree(s)	Rank	Department	Email Address	Research Interest
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	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
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
Nallamothe, Brahmajee	MD	Prof	Internal Medicine	<a href="mailto:bnallamo@umich.edu">bnallamo@umich.edu</a>	Optimizing delivery of cardiovascular services & procedures
Neitzel, Richard	Ph.D.	Prof	Environmental Health Sciences	<a href="mailto:rneitzel@umich.edu">rneitzel@umich.edu</a>	Critical gaps in the literature, and I am driven by a great interest in translational research (i.e., research that results in evidence-based policy recommendations that have a real probability of being implemented and evaluated) in domestic and global settings. The development, application, and evaluation of innovative exposure assessment methodologies is a cross-cutting and unifying theme that underlies all of my research
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

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Obi, Andrea	MD	Asst Prof	Vascular Surgery	<a href="mailto:eaasta@umich.edu">eaasta@umich.edu</a>	Newer endovenous surgical techniques for patients with superficial venous disease have been rapidly adopted despite a paucity of long-term data.
O'Dwyer, David	PhD	Assoc Prof	Internal Medicine	<a href="mailto:dodwyer@umich.edu">dodwyer@umich.edu</a>	Focused on an improve understanding of pulmonary complications post HCT. We have shown that herpes virus exposure may mediate the risk for idiopathic pneumonia syndrome and bronchiolitis obliterans post HCT.
Pandey, Aditya	MD	Prof	Neurosurgery, Radiology & Otolaryngology	<a href="mailto:adityap@umich.edu">adityap@umich.edu</a>	Innovations in the minimally invasive management of ICH, imaging markers of iron and white matter related injury post SAH and ICH, and understanding the mechanism of hydrocephalus formation post SAH. I have led a collaborative effort to develop an ultrasound based technology, histotripsy, in the treatment of ICH as well as brain tumors.
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
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	Assoc 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

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Rao, Krishna	MD	Assoc 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	Assoc 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	Prof	Surgery	<a href="mailto:reddyrm@umich.edu">reddyrm@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, heartdisease risk factor modification, health behavior change
Richardson, James	MD	Prof	Physical Medicine and Rehabilitation	<a href="mailto:jkrich@umich.edu">jkrich@umich.edu</a>	Developing, validating, testing and a clinical measure of simple reaction time and reaction accuracy. Despite its strong association with cognitive function, performance in daily life and longevity, clinicians have had no reliable way to measure reaction time at the bedside.
Schulman, Allison	MD	Assoc Prof	Internal Medicine	<a href="mailto:arschulm@umich.edu">arschulm@umich.edu</a>	Developed a special interest in the diagnosis and management of gastric sleeve stenosis following sleeve gastrectomy.
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	Assoc 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
Speliotes, Elizabeth	MD, PhD	Prof	Internal Medicine	<a href="mailto:espeliot@umich.edu">espeliot@umich.edu</a>	Genetics of obesity and NAFLD
Spence, Jason	PhD	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

Name	Degree(s)	Rank	Department	Email Address	Research Interest
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.
Stroumsa, Daphna	MD	Asst Prof	Obstetrics & Gynecology	<a href="mailto:daphnast@umich.edu">daphnast@umich.edu</a>	Policies affecting the healthcare of TGNB people. Interactions between TGNB patients and healthcare providers. Healthcare providers' ability to care for TGNB people. Understanding and addressing social and structural issues impacting reproductive health of gender and sexual minorities
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
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.
Waits, Seth	MD	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	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.
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
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)
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.
Wu, Justine	MD	Asst Prof	Family Medicine	<a href="mailto:justinep@umich.edu">justinep@umich.edu</a>	My work has included synthesis of evidence regarding long-acting reversible contraceptive (LARC) methods in the U.S., and highlighted the use of LARC in special circumstances and populations.
Xi, Guohua	MD	Prof	Neurosurgery	<a href="mailto:guohuaxi@umich.edu">guohuaxi@umich.edu</a>	Intracerebral hemorrhage; Brain edema; Preconditioning

Name	Degree(s)	Rank	Department	Email Address	Research Interest
Yang, Bo	MD	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)
Zampi, Jeffrey	MD	Assoc 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	Assoc 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.