CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
Abdelmalek, Manal	M.D.	Assoc Professor	Medicine, Gastroenterology	Nonalcohlic fatty liver disease
Abraham, Soman	Ph.D.	Professor	Pathology	Host-pathogen cross talk and mast cell modulation of innate and adaptive immune responses
Adcock, Rachel Alison	M.D. Ph.D.	Assoc Professor	Psychiatry Behavioral Sciences, Translational Neuroscience	How the neuromodulatory systems shape models of the world held in long-term memory
Alexander, Barbara	M.D.	Professor	Medicine, Infectious Diseases	Care of immunocompromised hosts, including solid organ and stem cell transplant recipients
Allen, Andrew	Ph.D.	Professor	Biostatistics Bioinformatics	
Alman, Benjamin	M.D.	Professor	Orthopaedics	Molecular pathology of desmoid tumor, ÃŸ-catenin in wound healing, Fracture repair and a role for ÃŸ-catenin, Identification of tumor initiating cells in mesenchymal tumors, Hedgehog signaling and chondrocytes
Arepally, Gowthami	M.D.	Assoc Professor	Medicine, Hematology	Immunoregulatory mechanisms in HIT; role of complement activation in the immune pathogenesis of HIT; investigationof protamine/heparin antibodies and development of murine models for studies of the HIT immune response
Barkauskas, Christina	M.D.	Assist Professor	Medicine, Pulmonary, Allergy, and Critical Care Medicine	Fundamental mechanisms involved in lung injury and repair, particularly determining the critical components of the alveolar epithelial stem cell niche and the cellular crosstalk signals that dictate cell identity and behavior during steady state maintenance and repair after injury and infection
Bartlett, John	M.D.	Professor	Medicine, Infectious Diseases	HIV/AIDS, especially in sub-Saharan Africa; research capacity building in resource-limited settings.
Beckham, Jean	Ph.D.	Professor	Psychiatry Behavioral Sciences, Behavioral Medicine	Smoking cessation, posttraumatic stress disorder, veterans, genetics, tele-health, mobile health technology, contingency management
Benjamin, Daniel	M.D. Ph.D.	Professor	Pediatrics, Infectious Diseases	Design, leadership and conduct of clinical trials in children; and the development and mentorship of young physician scientists.
Bennett, Gary	Ph.D.	Professor	Psychology and Neuroscience	Design, test, and dissemination of digital health interventions and Integrating digital health treatments into the primary care setting
Bigner, Darell	M.D. Ph.D.	Professor	Pathology	Vaccine, immunotoxin and radioimmunotherapy of primary and metastatic CNS tumors. Pediatric brain tumor biology & etiology and translation into clinical protocols

CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
Bosworth, Hayden	Ph.D.	Professor	Medicine, General Internal Medicine	Improving patients' treatment adherence and self-management in chronic care; translation research to improve access to quality of care; elimination of health care disparities
Boulware, L.	M.D.	Professor	Medicine, General Internal Medicine	Mechanisms to improve the quality and equity of care and health outcomes of patients and populations with chronic diseases s
Califf, Robert	M.D.	Professor	Medicine, Cardiology	Cardiovascular medicine, health outcomes, healthcare quality and medical economics
Chao, Nelson	M.D.	Professor	Medicine, Cellular Therapy	Hematological Malignancies, Stem cell transplantation, graft vs host disease
Chi, Jen-Tsan	M.D. Ph.D.	Assoc Professor	Molecular Genetics and Microbiology	Cancer, Red Blood Cells and Malaria
Chilkoti, Ashutosh	Ph.D.	Professor	Biomedical Engineering	Interaction between biological and synthetic polymers with biology at the molecular level, with the goal of developing molecular tools and devices for medicine and biotechnology
Coffman, Thomas	M.D.	Professor	Medicine, Nephrology	Role of the kidney in regulation of blood pressure and mechanisms of kidney injury in disease states diabetic nephropathy
Cohen, Harvey	M.D.	Professor	Medicine, Geriatrics	Understanding and modification of functional decline in the elderly, issues regarding elderly cancer patients and survivors, and the evaluation of the application of geriatric assessment to both of the above.
Cohen-Wolkowiez, Michael	M.D. Ph.D.	Assoc Professor	Pediatrics, Infectious Diseases	Pharmacokinetics and Pharmacodynamics of drugs in children with an emphasis in anti-infective products.
Colon-Emeric, Cathleen	M.D. Ph.D.	Assoc Professor	Medicine, Geriatrics	Fall and Fracture Prevention in Older Adults, Resilience in Older Adults; pidemiology of hip fractures in older men; hip fracture prediction models in nursing home residents; clinical trials of secondary fracture prevention after hip fracture, and osteoporosis care in nursing homes
Cousins, Scott	M.D.	Professor	Ophthalmology, Vitreoretinal Diseases Surgery	Pathobiology of both dry and wet age-related macular degeneration (AMD)
Cunningham, Coleen	M.D.	Professor	Pediatrics, Infectious Diseases	Pediatric HIV, prevention and treatment
Curtis, Lesley	Ph.D.	Professor	Medicine	Health services research pragmatic clinical trials applied informatics cardiovascular disease outcomes and quality of care
Dave, Sandeep	M.D.	Assoc Professor	Medicine, Hematological Malignancies	Defining the genetic drivers of cancer using a combination of computational and molecular methods.

CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
David, Lawrence	Ph.D.	Assist Professor	Molecular Genetics and Microbiology	Understand, predict, and manipulate how human microbiota behave over time; how these human-associated microbial communities resist and respond to perturbation
Dawson, Geraldine	Ph.D.	Professor	Psychiatry, Child Family Mental Health and Developmental Neuroscience	Early detection, brain development and treatment of autism and related neurodevelopmental disorders
De Bellis, Michael	M.D.	Professor	Psychiatry, Child Family Mental Health and Developmental Neuroscience	Neurobiological development of maltreated youth and its relationship to PTSD, co-morbidity, and youth alcohol and substance use disorder; effects of alcohol and substance use on adolescent brain development
DeFrate, Louis	Ph.D.	Assoc Professor	Orthopaedics	Musculoskeletal bioengineering; Imaging, biomechanics, osteoarthritis
Dewhirst, Mark	Ph.D.	Professor	Radiation Oncology	Origins of altered angiogenesis, tumor hypoxia, and metabolic imbalance in tumors
Diehl, Anna Mae	M.D.	Professor	Medicine, Gastroenterology	Liver injury and repair.
Dolor, Rowena	M.D.	Assoc Professor	Medicine, General Internal Medicine	Primary care clinical and outcomes research
Driehuys, Bastiaan	Ph.D.	Professor	Radiology	Hyperpolarized 129Xe MR imaging
Dzirasa, Kafui	PhD	Assoc Professor	Psychiatry	How changes in the brain produce neurological and mental illness, to improve outcomes for families devastated by neurological and psychiatric illness
Edelman, David	M.D.	Professor	Medicine, General Internal Medicine	Primary care health services or behavioral interventions to prevent or improve outcomes in chronic medical illness, with a focus on group interventions.
Fecci, Peter	M.D. Ph.D.	Assistant Professor	Neurosurgery	We focus on characterizing and reversing T cell dysfunction in patients with brain tumors en route to design of more effective immunotherapeutic platforms.
Fowler, Vance	M.D.	Professor	Medicine, Infectious Diseases	Determinants of Outcome in Patients with Staphylococcus aureus Bacteremia; Pathogenesis of Bacterial Infections; Infections due to Resistant Gram Positive Organisms; Tropical medicine/International Health
Gbadegesin, Rasheed	M.D.	Assoc Professor	Pediatrics, Nephrology	Molecular pathogenesis of nephrotic syndrome and biologic basis of health disparity in nephrotic syndrome

CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
George, Steven	Ph.D.	Professor	Orthopaedics	Musculoskeletal Pain; Clinical Research; Predicting and preventing the transition to chronic or persistent pain conditions
Grambow, Steven	Ph.D.	Assistant Professor	Biostatistics & Bioinformatics	I have expertise in the areas of traditional and online course direction in an academic medical center environment, traditional and online curriculum development, educational technology, and practical experience as a collaborative statistical scientist in a clinical research environment.
Gray, Gregory	M.D.	Professor	Medicine, Infectious Diseases	Infectious Disease Epidemiology; Zoonotic diseases, respiratory viruses
Habib, Ashraf	MBBCh	Professor	Anesthesiology, Women's	Postoperative pain; Postoperative nausea and vomiting; Obstructive sleep apnea; Spinal induced hypotension
Halabi, Susan	Ph.D.	Professor	Biostatistics & Bioinformatics	
Hall, Katherine	Ph.D.	Assistant Professor	Medicine, Geriatrics	Physical function in aging; role of physical activity in promoting physical and psychological well-being in older adults, on older veterans with PTSD. Another area of expertise is measurement, namely using accelerometry to assess mobility and activity behavior and physical performance tests to assess function.
Hanks, Brent	M.D. Ph.D.	Assist Professor	Medicine, Medical Oncology	Investigation of mechanisms of tumor-mediated immune evasion and tumor immunotherapy resistance
Hartwig, Matthew	M.D.	Assoc Professor	Surgery, Cardiovascular and Thoracic Surgery	Lung Transplantation
Hauser, Elizabeth	Ph.D.	Professor	Biostatistics & Bioinformatics	genetic and genomic models for complex traits such as cardiovascular disease, kidney disease, healthy aging and diseases of aging. effect of these types of complexity on the results and inference from the prevailing methods for genetic analysis and to develop and assess new statistical methods to account for this complexity.

CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
Hernandez, Adrian	M.D.	Professor	Medicine, Cardiology	Acute, chronic & advanced heart failure and heart failure comorbidities; Quality of care and outcomes research; Clinical trials; Comparative effectiveness; Health Policy
Hilton, Matthew	Ph.D.	Assoc Professor	Orthopaedics	Molecular circuitry regulating lineage commitment, proliferation, and differentiation of mesenchymal stem cells, chondrocytes and osteoblasts during skeletal development, disease, and repair/regeneration processes
Hockenberry, Marilyn	Ph.D.	Professor	School of Nursing	Childhood cancer treatment symptoms; predictors of symptom toxicity in children with cancer
Huang, Jiaoti	M.D. Ph.D.	Professor	Pathology	Prostate cancer; Cancer Biology and Therapeutics
Hughes, Brenna	M.D.	Assoc Professor	Obstetrics and Gynecology, Maternal Fetal Medicine/Midwifery Service	Infectious diseases in pregnancy such as Cytomegalovirus infection
Ibeanu, Gordon (NCCU)	Ph.D.	Associate Professor	Biomanufacturing Research and Technology	Development of chemical molecules for the treatment of neurodegenerative diseases Translational research in neurodegenerative diseases
Inman, Brant	M.D.	Assoc Professor	Surgery, Urology	Translational genitourinary oncology; Focus on tumor immunology, heat-targeted therapy, novel diagnostics and therapeutics, and clinical trials
Johnson, Kimberly	M.D.	Assoc Professor	Medicine, Geriatrics	Racial disparities in hospice use for older African Americans.
Kay, Jeremy	Ph.D.	Assist Professor	Neurobiology	Molecular mechanisms of neural circuit wiring in developing retina
Kelsoe, Garnett	DSc	Professor	Immunology	B lymphocytes, including their development, activation by antigen, selection in germinal centers, and B-cell memory
Kishnani, Priya	M.D.	Professor	Pediatrics, Medical Genetics	Lysosomal Storage Disease Glycogen Storage Disease Neuromuscular Disorders Hypophosphatasia and Bone Disease, Molecular approaches to Down's Syndrome

CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
Knechtle, Stuart	M.D.	Professor	Surgery, Abdominal Transplant Surgery	Response of hyper-sensitized recipients to allogeneic liver transplantation; reducing immunologic memory to improve transplantation; pathways of coagulation, antibody-mediated rejection, and cellular rejection; co-stimulation blockade and immune cell depletion as approaches to immunologic unresponsiveness or tolerance
Ko, Dennis	M.D. Ph.D.	Assist Professor	Molecular Genetics and Microbiology	Understanding natural genetic variation in host-pathogen interacations and human disease susceptibility.
Kollins, Scott	Ph.D.	Professor	Psychiatry Behavioral Sciences, Addictions	ADHD, psychopharmacology, clinical trials
Kontos, Christopher	M.D.	Assoc Professor	Medicine, Cardiology	Molecular mechanisms of vascular remodeling in cardiovascular diseases, including tumor angiogenesis, with emphasis on signaling by endothelial receptor tyrosine kinases.
Kosinski, Andrzej	Ph.D.	Assoc Professor	Biostatistics & Bioinformatics	Statistical methodology for evaluation of diagnostic tests; Adjustment for misclassification; Missing data; Clinical trials; Analysis of cardiovascular and stroke data
Kuhn, Cynthia	Ph.D.	Professor	Pharmacology Cancer Biology	Reciprocal interactions of hormonesm, monoamine neuron function and psychiatric disesaes especially addiction and depression in animal models
Li, Jennifer	M.D.	Professor	Pediatrics, Cardiology	Multi-center clinical trials and outcomes research
Li, Ping-An (NCCU)	Ph.D.	Professor	Biomanufacturing Research and Technology	Stroke, neurodegenerative disorders; diabetes enhanced ischemic brain damage; mitochondrial dynamics, biogenesis and function.
Lipkus, Isaac	Ph.D.	Professor	School of Nursing	Risk communication as it influences lifestyle behavior changes (e.g., tobacco use, exercise, cancer screening) and medical treatment decisions.
MacIver, Nancie	M.D. Ph.D.	Assist Professor	Pediatrics, Endocrinology	Nutritional immunology with a focus on T-cell immunometabolism.
Marchuk, Douglas	Ph.D.	Professor	Molecular Genetics and Microbiology	Genetics of cardiovascular disease using both the human and the mouse as a model system
Mark, Daniel	M.D.	Professor	Medicine, Cardiology	Cardiology; ACS, Outcomes Research, Biostatistics, Clinical Trial Design/Methodology, Health Economics, Patient-Reported Outcomes
Marks, Jeffrey	Ph.D.	Assoc Professor	Surgery, Surgical Sciences	The etiology of human breast and ovarian cancer

CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
Marx, Christine	M.D.	Professor	Psychiatry Behavioral Sciences, Translational Neuroscience	Relevance of neurosteroids to the pathophysiology and therapeutics of central nervous system (CNS) disorders, including schizophrenia, post-traumatic stress disorder (PTSD), traumatic brain injury (TBI), nicotine dependence, pain disorders and Alzheimer's disease
McClernon, Francis	Ph.D.	Professor	Psychiatry Behavioral Sciences, Addictions	Addiction; Smoking/Vulnerable Populations/Neuroimaging/Regulatory Science
McMahon, Timothy	M.D. Ph.D.	Associate Professor	Medicine, Pulmonary, Allergy, and Critical Care Medicine	Role of red blood cell (RBC)-derived mediators in the regulation of the circulation in human health and disease, particularly in the lung.
McNamara, James	M.D.	Professor	Neurobiology	Mechanisms of epileptogenesis in cellular and molecular terms.
Merwin, Elizabeth	Ph.D.	Professor	School of Nursing	Patient Outcomes;. Secondary data analysis, particularly Medicare datasets and large clinical data repositories; Rural health care; Mental health services delivery; Health Disparities; Nursing workforce; Mental Health workforce, particularly related to advanced practice nursing
Miller, Francis	M.D.	Instructor	Medicine, Cardiology	Molecular and cellular mechanisms that contribute to the generation of reactive oxygen species and pathophysiology of vascular disease.
Montefiori, David	Ph.D.	Professor	Surgery, Surgical Sciences Section for AIDS Research Development	HIV vaccines; Neutralizing antibodies, humoral immunity
Moon, Richard	M.D.	Professor	Anesthesiology, General, Vascular, High Risk Transplant Critical Care	Interests: Opioids and control of breathing, hypoxia, extreme environments physiology: altitude and diving.
Mukherjee, Sayan	Ph.D.	Professor	Statistical Science	Bayesian methodology; computational and statistical methods in statistical genetics, quantitative genetics, cancer biology, and morphology; discrete Hodge theory, geometry and topology in statistical inference; inference in dynamical systems; machine learning; stochastic topology

CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
Myers, Evan	M.D.	Professor	Obstetrics/Gynecology	Clinical epidemiological methods including decision analysis, cost-effectiveness analysis, and other mathematical modeling; techniques applied to women's health research.
O'Brien, Sean	Ph.D.	Assoc Professor	Biostatistics & Bioinformatics	Methodology for health outcomes and comparative effectiveness research including healthcare provider profiling, observational studies, and Bayesian data analysis
Oddone, Eugene	M.D.	Professor	Medicine, General Internal Medicine	CVD Prevention - Improving CVD prevention in primary care
Oldham, Mark	Ph.D.	Professor	Radiation Oncology	develop optical imaging techniques for 3D dosimetry. The second major research focus is to develop a new optical imaging technique for high-resolution 3D imaging of vascular networks and gene expression in unsectioned tissue samples.
Palmer, Scott	M.D.	Professor	Medicine, Pulmonary, Allergy, and Critical Care Medicine	Clinical risk factors and mechanisms of chronic lung allograft dysfunction (CLAD) after lung transplantation; the influence of innate immunity on CLAD.
Pan, Wei	Ph.D.	Assoc Professor	School of Nursing	Causal inference in observational studies; Propensity score methods, latent variable modeling, meta-analysis, and psychometrics; and their applications in the social, behavioral, and health sciences
Pan, William	Ph.D.	Assist Professor	Environmental Sciences and Policy	My research focuses on: identification of drivers of environmental change; evaluating impact of environmental changes on human health; and identification of potential policy solutions or interventions.
Perfect, John	M.D.	Professor	Medicine, Infectious Diseases	Investigating antifungal agents (new and old) in animal models of candida and cryptococcal infections
Permar, Sallie	M.D. Ph.D.	Assoc Professor	Pediatrics, Infectious Diseases	immune prevention of perinatal cytomegalovirus and HIV-1
Pieper, Carl	Ph.D.	Associate Professor	Biostatistics & Bioinformatics	Design and analytic consultation in a wide variety of studies dealing with issues in aging, including clinical trials, analysis of longitudinal epidemiologic studies, pilot studies, and administration Center grants.
Pisetsky, David	M.D. Ph.D.	Professor	Medicine, Rheumatology and Immunology	Pathogenesis of degenerative and inflammatory arthritis focusing on the role of cell death in inducing immune responses.

CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
Pollak, Kathryn	Ph.D.	Professor	Community and Family Medicine, Prevention Research	I am a social psychologist who develops behavioral interventions to prevent cancer by targeting behavior changes such as quitting smoking, being more physically active, and eating better. I also study and attempt to improve clinician-patient communication.
Provenzale, Dawn	M.D.	Professor	Medicine, Gastroenterology	Integration of observational research, measurement of patient-centered outcomes and decision making to investigate patient-oriented research questions in gastrointestinal cancer screening, surveillance and quality of care
Rawls, John	Ph.D.	Assoc Professor	Molecular Genetics and Microbiology	Investigate how microbial communities are assembled in the intestine and how microbes and dietary nutrients regulate host metabolism and immunity
Reddy, Timothy	Ph.D.	Assist Professor	Biostatistics & Bioinformatics	Studying mechanisms of tissue-specific gene expression, and its role in complex multi-organ systems such as the endocrine system
Rockman, Howard	M.D.	Professor	Medicine, Cardiology	Molecular mechanisms of cardiac hypertrophy and heart failure
Samsa, Gregory	Ph.D.	Assoc Professor	Biostatistics & Bioinformatics	I am an applied statistician with interests in information synthesis, practice improvement and system design, randomized trials, outcomes research, and most particularly in improving the link between evidence and practice.
Schanberg, Laura	M.D.	Professor	Pediatrics, Rheumatology	The study of stress and coping processes in children with chronic disease and their families: describing the pain experience of children with chronic arthritis and the role of parental processes in child adjustment to chronic disease.
Schulman, Kevin	M.D.	Professor	Medicine	Health care policy, organizational innovation in healthcare, health services research and clinical economics.
Scialla, Julia	M.D.	Assoc Professor	Medicine, Nephrology	chronic kidney disease epidemiology; mineral metabolism; acid-base physiology
Scott, John (NCCU)	Ph.D.	Associate Professor	Biomanufacturing Research and Technology	Identification and validation of novel kinase targets critical for tumor growth and metastasis for this type of breast cancer; developing novel chemical biology approaches to the discovery of small molecules as probes and drug leads
Sipkins, Dorothy	M.D. Ph.D.	Associate Professor	Medicine, Hematological Malignancies	I am particularly focused on understanding the cross talk between malignant cells and the bone marrow (BM) microenvironment that regulates tumor cell metastasis, dormancy and proliferation within this organ.

CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
Smith, Phillip	M.D.	Professor	Pediatrics, Neonatology	pediatric therapeutic safety/efficacy, environmental exposures and child health outcomes.
Staats, Herman	Ph.D.	Professor	Pathology	Development of vaccine adjuvants and vaccination methods to deliver vaccines by mucosal routes without the use of needles.
Svetkey, Laura	M.D.	Professor	Medicine, Nephrology	human hypertension, obesity, kidney disease and CVD risk factors, in large studies with diverse patient populations
Swamy, Geeta	M.D.	Assoc Professor	Obstetrics and Gynecology, Maternal Fetal Medicine/Midwifery Service	Determinants and consequences of preterm birth and other adverse perinatal outcomes
Tanabe, Paula	Ph.D.	Assoc Professor	School of Nursing	ystems of healthcare and patient outcomes for persons with sickle cell disease, a primarily minority and under-served population.
Taylor, Steve	M.D.	Assist Professor	Medicine, Infectious Diseases	I work on malaria and other tropical infectious diseases.
Telen, Marilyn	M.D.	Professor	Medicine, Hematology	red cell membrane proteins, the antigens carried by them, and the disorders associated with abnormalities of red blood cells. My research identified the biochemical and genetic bases of a number of blood group antigen systems, as well as the physiologic role of several of the proteins bearing those antigens
Thomas, Kevin	M.D.	Assoc Professor	Medicine, Cardiology	My research expertise entails interventions that address racial and ethnic disparities in cardiovascular care, outcomes research, and the design and conduct of clinical trials.
Ubel, Peter	M.D.	Professor	Fuqua School of Business	controversial issues about the role of values and preferences in health care decision making, from decisions at the bedside to policy decisions. I use the tools of decision psychology and behavioral economics to explore topics like informed consent, shared decision making and health care spending.
Warner, David	M.D.	Professor	Anesthesiology, Neuroanesthesia	Therapeutics For Acute CNS Injury
Wax, Adam	Ph.D.	Professor	Biomedical Engineering	Photonics
Weinfurt, Kevin	Ph.D.	Professor	Psychiatry Behavioral Sciences, Translational Neuroscience	Measuring patient-reported outcomes, medical decision making, and bioethics.

CTSA KL2 MENTORS

Name	Degree(s)	Rank	Primary Department or Program	Research Interest
Whitson, Heather	M.D.	Assoc Professor	Medicine, Geriatrics	Aging, multiple chronic conditions; Optimizing independence and resilience for older adults with multiple chronic conditions; Interface between age-related changes in vision and cognition.
Williams, Kevin (NCCU)	Ph.D.	Associate Professor	Biomanufacturing Research and Technology	Hedgehog Pathway Dysregulation in Cancer;- Pharmacologic Profiling of Cancer Cells;- Identification and Development of Novel Hedgehog Pathway Inhibitors; Role of Hedgehog Pathway in Alcohol-Induced Birth Defects.
Wolf, Myles	M.D.	Professor	Medicine, Nephrology	Role of fibroblast growth factor 23 (FGF23) in normal mineral metabolism and in CKD, its adverse impact on cardiovascular health, and the molecular mechanisms that underlie these risk relationships; elucidate novel therapeutic targets for interventions that can improve renal and cardiovascular outcomes in CKD.
Woods, Christopher	M.D.	Professor	Medicine, Infectious Diseases	Applied Genomics; Molecular diagnostics and epidemiology; biopreparedness and emerging infections
Yan, Hai	M.D. Ph.D.	Professor	Pathology	Glioma genomics and biology; Glioma diagnosis and target and immunotherapy
Zheng, Weifan (NCCU)	Ph.D.	Associate Professor	Biomanufacturing Research and Technology	Novel computational tools; Cheminformatics approach to neurodegenerative disease targets; structure-based anesthetic agent discovery