



R. Ken Coit
College of
Pharmacy

DEPARTMENT OF PHARMACOLOGY & TOXICOLOGY

Pharmacology and Toxicology Core Faculty



Anandhan Annadurai, PhD
Assistant Research Professor

drug discovery | gene-environment interactions |
autophagy | Nrf2 signaling



Ju Gao, MD
Assistant Research Professor

mitochondrial dynamics | mitochondrial respiration |
protein phase separation | neuroinflammation |
TDP-43 proteinopathy



Yin Chen, PhD
Professor

host immunity | inflammatory mechanisms | chronic
respiratory diseases | fungal and viral pulmonary
infections | high-containment (BSL-3) pathogens
research | environmental mold exposure |
metal(loid)-induced pulmonary toxicity



Weiguo Han, PhD
Assistant Research Professor

cancer biomarkers | CRISPR/Cas9 | SNP | DNA/RNA |
methylation | gene expression | lung cancer |
molecular biology | next generation sequencing
technology



Nathan Cherrington, PhD
*Associate Dean, Professor, Musil Family
Endowed Chair in Drug Discovery*

adverse drug reaction | drug metabolism and
distribution | phenoconversion | heat strain |
Metabolic dysfunction-Associated Steatohepatitis
(MASH) | blood-testis barrier



Laurence Hurley, PhD
Professor Emeritus

bench to bedside development of first in class anti-
tumor agents targeting secondary DNA structures |
entrepreneurial activities including founder (CSO) and
consultant for biopharma companies | expert witness
for biopharma



Xinxin Ding, PhD
Department Head, Professor

drug metabolism/disposition | enzyme function/
regulation | genetic/environmental risks for
chemical toxicity | drug safety/efficacy



Bernardo Lemos, PhD
*Professor, R. Ken and Donna Coit Endowed
Chair in Aging and Neurodegenerative
Diseases*

aging | Alzheimer's | cancer | breast cancer | prostate
cancer | health disparities | biomarkers | epigenetics |
genomics | environmental epigenetics | ribosome |
rDNA | toxicology | pesticide toxicology | metal
toxicology



Bernard Futscher, PhD
Adjunct Professor of Practice
epigenetics/molecular diagnostics



Angel Malabanan, PharmD
Lecturer

pharmaceutical sciences | pharmacology |
pharmacy education



James Galligan, PhD
Associate Professor, Associate Chair
cell metabolism | epigenetics | post-translational
modifications | mass spectrometry | diabetes



Diana Pacyga, PhD
Assistant Professor

chemical exposures | occupational hazards | diet
quality | pregnancy/early life | women's health |
neurodevelopment | epidemiology/population health



A. Jay Gandolfi, PhD
Professor Emeritus

disposition and toxicology of drugs and environmental
chemicals and the development of in vivo and in vitro
models for studying mechanisms of toxicity



Robin Polt, PhD
Professor

design synthesis of glycopeptide drugs | penetration of
the blood-brain barrier | stroke, mTBI and Parkinson's



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John Regan, PhD
Professor Emeritus

G-protein coupled receptors (GPCR) with an emphasis on the prostaglandin and adrenergic receptor subfamilies | cell signaling involving the cAMP-PKA, inositol phosphate, PI3K, CREB, NF-kappaB, HIF-1alpha, ERK, and Tcf pathways | ocular pharmacology and drugs used in the treatment of neuropsychiatric disorders



Parthasaradhireddy Tanguturi, PhD
Assistant Research Professor

G-protein coupled receptors (GPCRs) | drug discovery | Alzheimer's | central nervous system (CNS) | oncology | pain therapeutics



Kevin Rhine, PhD
Assistant Professor

neurodegeneration | microscopy | RNA biology | aging | phase separation | genomics | drug discovery | stress



Alison Veltri, PhD
Associate Professor of Practice

pharmacology | basic and foundational sciences education



Jennifer Schnellmann, PhD
Professor

pharmacology | toxicology | pharmaceutical sciences | scientific writing



Lei Wang, PhD
Assistant Research Professor

RNA binding proteins and RNA metabolism | RNA binding proteins in cancer | environmental factor related carcinogenesis



Natalie Scholpa, PhD
Assistant Research Professor

spinal cord injury | pharmacology | mitochondrial biogenesis



George Watts, PhD
Associate Professor of Practice
cancer biology | infectious disease | biomarkers



Kevin Scott, PhD
Lecturer

natural products | drug discovery | aging | chemical immunology



Qing-Yu Zhang, PhD
Professor

drug metabolism and disposition | inflammatory bowel disease | pharmacokinetics | P450 enzymes | pharmacology and toxicology



Catharine Smith, PhD
Associate Professor, Track Director
mechanism of epigenetic drug action



Haining Zhu, PhD
Professor, R. Ken and Donna Coit Endowed Chair in Aging and Neurodegenerative Diseases

aging | neurodegenerative diseases



Ee Phie Tan, PhD
Assistant Professor

drug discovery | lipophagy | autophagy | longevity | neurodegeneration | age-related diseases | proteomics and functional genomics



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Pharmaceutics and Pharmacokinetics Core Faculty



Abhijit Date, PhD

Associate Professor

drug delivery | nanomedicine | self-assembling nanocarriers | ionic liquids | drug repurposing | skin cancer | infectious diseases | hematologic cancers



Jianqin Lu, BPharm, PhD

John A. and Frances P. Ware Endowed Associate Professor, Track Director

drug delivery | nanomedicine | pharmaceutics and pharmacokinetics | nano-immunoengineering | cancer immunotherapy | chemotherapy | biomaterials



Kenry, PhD

Assistant Professor

nanomedicine | bioimaging | biomaterials | cancer | microfluidics | artificial intelligence | machine learning



Xinglong Wang, PhD

Professor, R. Ken and Donna Coit Endowed Chair in Aging and Neurodegenerative Diseases

Alzheimer's | Parkinson's | frontotemporal dementia | amyotrophic lateral sclerosis | mitochondrial dysfunction | liquid-liquid phase separation | protein aggregation



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DEPARTMENT OF PHARMACOLOGY & TOXICOLOGY

Drug Discovery and Development Core Faculty



Christopher Hulme, PhD

Professor

small molecule drug discovery | targeted protein degradation | medicinal chemistry | cancer | kinases | diversity and target-oriented synthesis | investigational new drugs | neurodegeneration



Gregory Thatcher, PhD

Professor, R. Ken and Donna Coit Endowed Chair in Drug Discovery

bench to clinic small molecule drug discovery | cancer | dementia | rare diseases | enzyme mechanisms | nuclear receptor modulation | chemical toxicology



Hongmin Li, PhD

Professor, R. Ken and Donna Coit Endowed Chair in Drug Discovery, Track Director

target-based therapeutic development against viruses | fungi | multiple sclerosis | Alzheimer's | breast cancer through high throughput screening | nanobody | protein-protein interaction | structural biology | crystallography



Georg Wondrak, PhD

Professor

redox drug discovery targeting skin cancer, sun damage, and photoaging | skin environmental exposure | cancer cell stress response pathways | proteotoxic, oxidative, and chlorination stress



Rick Schnellmann, PhD

Professor, Howard J. Schaeffer Endowed Chair in Pharmaceutical Sciences

mitochondrial therapeutics | kidney diseases | drug discovery



Rui Xiong, PhD

Assistant Professor

medicinal chemistry | covalent DNA-encoded libraries (DEL) | DEL screening | covalent drug warhead development | AI in drug design | chemoinformatics



Daekyu Sun, PhD

Associate Professor

targeting angiogenesis in cancer | transcriptional regulation of oncogenes



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DEPARTMENT OF PHARMACY PRACTICE & SCIENCE



Ivo Abraham, PhD
Professor of Practice

clinical outcomes and effectiveness research |
economics and value of human therapeutics



Bernadette Cornelison, PharmD
Associate Clinical Professor

drug expenditures | self-care therapeutics | medication
management | transitions of care services



Nancy A. Alvarez, PharmD
Associate Dean, Professor of Practice

pain management | end-of-life care | pharmaceutical
industry – medical affairs and medical communications |
community-based pharmacy practice | leader
development



Lisa Davis, PharmD
Clinical Professor

cancer prevention and treatment | precision oncology |
pharmacokinetics | supportive care and integrative
oncology | cancer drug development



Andrea Burns, PharmD
Assistant Professor of Practice

ambulatory and community-based pharmacy practice |
preventative health | interprofessional education and
collaboration | leadership development | student
mentorship



Hongxu Ding, PhD
Assistant Professor

single cell sequencing | nanopore sequencing | deep
learning



Caitlin Cameron, PharmD
Associate Professor of Practice

assessment | distance learning | inter-professional
collaboration | medication programs | pharmacist
workforce | student mentorship



Christopher Edwards, PharmD
*John A. and Frances P. Ware Endowed
Associate Clinical Professor*

emergency medicine pharmacotherapy | AI in
pharmacy practice and education | sustainability in
pharmacy practice



Ashley Campbell, PharmD
*John A. and Frances P. Ware Endowed
Associate Clinical Professor*

delirium | geriatric pharmacy education | health span |
anticoagulation | active learning strategies |
medication safety in older adults



Brian Erstad, PharmD
Professor

patient safety and health outcomes | critical care
medicine | pharmacoeconomics



Qin Chen, PhD
*Professor, Director and Holsclaw Endowed
Professorship of Pharmacogenomics*

cell biology | molecular biology | animal models of
oxidative stress



Christopher Finch, PharmD
Dean, Professor

pulmonary and critical care medicine | drug-induced
disease | pharmacy practice advancement | health
system pharmacy leadership



Janet Cooley, PharmD
Clinical Professor

scholarship of teaching and learning | preceptor
assessment | quality improvement in education |
pharmacy education curriculum | interprofessional
education and collaboration



Clement Remi Goubert
Assistant Research Professor

transposable elements and mobile DNA | evolutionary
biology | integrated-omics | bioinformatic methods



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DEPARTMENT OF PHARMACY PRACTICE & SCIENCE



Elizabeth Hall-Lipsy, JD

Associate Dean, Associate Professor of Practice

health disparities/rural health | health law/pharmacy law and policy | health professions education and assessment



Bonnie LaFleur, PhD

Research Professor, Health Outcomes & Pharmacoeconomic Research Center Director

biostatistics | precision medicine | aging | oncology | immunobiology



Nicole Henry, PharmD

Assistant Professor of Practice

business management | leadership | geriatrics | pharmacoeconomics | increasing access to care | vaccine hesitancy



Jeannie Lee, PharmD

Associate Dean, Professor

medication adherence | aging | health disparities | health literacy | chronic disease | hypertension | interprofessional practice and education | pharmacist impact | technology in aging | integrative health



Phillip Ieng, PharmD

Assistant Professor of Practice

psychiatry | community-based pharmacy practice | inter-professional collaboration | leader development | student mentorship



Jingjing Liang, PhD

Assistant Research Professor

genetic and multi-omics approach to identify mechanisms in complex disease | role of sleep-related disorder in dementia | precision medicine in neurodegenerative disease



Jason Karnes, PhD, PharmD

John A. and Frances P. Ware Endowed Department Head, Professor, Track Director

clinical and translational research | genotype-guided prescribing | adverse drug reactions | cardiovascular pharmacogenomics | immunopharmacogenomics | personalized medicine



Jennifer Martin, MA

Clinical Instructor, Librarian

drug information | evidence based synthesis | information literacy instruction



Michael Katz, PharmD

Clinical Professor Emeritus

international pharmacy practice | pharmacy education



Kiana Martinez, PhD

Assistant Research Professor

leveraging bioinformatic approaches and “big data” to perform clinical and translational research including pharmacogenomics and investigating complex phenotypes



Amy Kennedy, PharmD

Associate Clinical Professor, Assistant Head

pharmacists impact on underserved populations | pharmacists impact on pain outcomes | innovative teaching methods | professional development | advocacy



Kathryn Matthias, PharmD

Associate Clinical Professor

infectious diseases | antimicrobial stewardship | pharmacokinetics



Kelli Kronsberg, PharmD

Clinical Assistant Professor

antimicrobial pharmacokinetics, stewardship, resistance, and treatment | infectious diseases molecular diagnostics



Aaron Middleton, PharmD

Lecturer

quality improvement | medication safety | pharmaceutical compounding



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David Nix, PharmD
Professor

clinical pharmacology of antibacterial and antifungal drugs



Theodore Tong, PharmD
Professor Emeritus

interprofessional engagement | health outcomes | pharmacy readiness, response and contingencies during mass emergencies, hazards and threats to public | history of pharmacy and medicine | present and future health education



Puja Patel, PharmD
Assistant Clinical Professor

hematology and oncology pharmacy | oncology supportive care | scholarship of teaching and learning | pharmacy education | educational assessment | clinical outcomes research



Alejandro Vazquez, PharmD
Assistant Clinical Professor

pediatric ambulatory care | diabetes | allergy | asthma | patient advocacy | chronic disease management



Youssef Roman, PharmD, PhD
Associate Professor of Practice

drug adverse events | clinical pharmacology | minority populations genetics | geriatrics pharmacology | community-based research | pharmacogenomics | genomic equity



Carolanne Wartman, PharmD
Assistant Clinical Professor

mental health | substance use disorders | harm reduction | care for underserved populations | transitions of care | stigma



Jenene Spencer, PharmD
Instructor

student and preceptor mentorship | experiential education | geriatrics/aging | community-based pharmacy practice



Travis Wheeler, PhD
Professor

genomic and proteomic data | computational drug discovery | mass spectrometry data analysis | automated animal tracking and behavior classification



Sandi Thoi, PharmD
Instructor

experiential education | student and preceptor mentorship | geriatrics/aging | ambulatory care



Beth Zerr, PharmD
Associate Clinical Professor

women's health | self-care therapeutics | asthma | COPD | ambulatory care | disease state management