



CANCER RESEARCH AT UF HEALTH (FACCA ATTENDEES)

Richard Bennett, PhD

Department: Hematology/Oncology
Research Program: Mechanisms of Oncogenesis
Email: bennetr@ufl.edu

- *Elucidating how dysfunction of epigenetic mechanisms contributes to tumorigenesis*
 - *Identifying pathways required for proliferation and survival of uveal melanoma cells*
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Jiang Bian, PhD

Department: Health Outcomes & Biomedical Informatics
Research Program: Cancer Population Sciences
Email: bianjiang@ufl.edu

- *Data-driven medicine-applications of informatics techniques, including machine learning methods in medicine on solving big data problems*
 - *Mining the Internet, including the social web, to provide insights into health-related behavior and health outcomes of various populations and finding ways to develop interventions that promote public and consumer health*
 - *Development of novel informatics methods, tools and systems to support clinical and clinical research activities such as tools for data integration and cohort discovery.*
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Matthew Cascio, DO

Department: Pediatrics
Research Program: Cancer Therapeutics and Host Response
Email: mcascio@ufl.edu

- *Investigating the role of checkpoint inhibition in sarcomas*
 - *Examining tumor immune milieu within tumor and microenvironment*
 - *Modulation of immune system's functions for immunotherapy*
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Raad Gharaibeh, PhD

Department: Medicine, Division of Gastroenterology
Research Program: Cancer Therapeutics & Host Response
Email: raad.gharaibeh@medicine.ufl.edu

- *Understanding how alterations in the microbiome can lead to promotion of gastrointestinal ailments using computational approaches*
 - *Integrative approaches that examine microbiome and host response*
 - *Understanding the functional capacities of gut microbiota*
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Olga Guryanova, MD, PhD

Department: Pharmacology & Therapeutics
Research Program: Mechanisms of Oncogenesis
Email: oguryanova@ufl.edu

- *Molecular mechanisms of altered chromatin dynamics in normal, pre-leukemic and leukemic cells harboring mutations in epigenetic modifier genes*
 - *Role of leukemia-associated DNMT3A mutations in clonal evolution of hematopoiesis*
 - *Mechanistically-guided development and pre-clinical evaluation of novel therapeutic strategies for DNMT3A-mutant acute myeloid leukemia (AML)*
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Amanda Hicks, PhD

Department: Health Outcomes & Biomedical Informatics
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- *Semantic data representation*
 - *Biomedical terminologies*
 - *LGBT data collection and reuse*
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Robert H. Houlihan, DHA, MBA, FACHE, CCRP, CRA

Associate Director for Administration
Department: UF Health Cancer Center
Email: rhoulihan@ufl.edu

- *CCSG Administration*
 - *Strategic Planning and Analysis*
 - *Financial Management*
 - *Center Operations*
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David Janicke, PhD, ABPP

Department: Clinical and Health Psychology
Email: djanicke@pnhp.ufl.edu

- *Pediatric psychology*
 - *Behavioral Family Lifestyle Interventions addressing obesity in children.*
 - *Dissemination of interventions to address pediatric obesity in real world settings.*
 - *Psychosocial adjustment and barriers to treatment adherence in children with chronic health conditions*
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Frederic J Kaye, MD

Department: Hematology/Oncology
Research Program: Mechanisms of Oncogenesis
Email: fkaye@ufl.edu

- *Cancer Genetics*
 - *Lung Cancer*
 - *Salivary Gland Tumors*
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Michael P. Kladde, PhD

Department: Biochemistry & Molecular Biology
Research Program: Mechanisms of Oncogenesis
Email: kladde@ufl.edu

- *Epigenetic regulation of eukaryotic transcription*
 - *Epigenetic basis of tumor progression and chemotherapeutic resistance*
 - *Changes in the epigenome in response to low-dose radiation*
 - *Development of novel, integrative methods for epigenetic investigations*
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Janice Krieger, PhD

Department: Advertising
Research Program: Cancer Population Sciences
Email: janicekrieger@ufl.edu

- *Behavioral determinants of cancer*
 - *Cancer communication*
 - *Health disparities*
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Jonathan D. Licht, MD

Center Director

Department: Hematology/Oncology

Research Program: Mechanisms of Oncogenesis

Email: jdlicht@ufl.edu

- *Aberrant transcriptional regulation as a cause of hematologic malignancy*
 - *Molecular biology of multiple myeloma – chromatin changes and gene expression mediated by the MMSET protein over-expressed in a subset of multiple myeloma KDM6A loss of function*
 - *Collaborative effects of MAP kinase signaling and chromatin regulator mutation in solid tumors*
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Steven Madore, PhD

Department: Interdisciplinary Center for Biotechnology Research

Email: smadore@ufl.edu

- *Genomics*
 - *Shared Resource Management*
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Merry Jennifer Markham, MD

Department: Hematology/Oncology

Research Program: Cancer Therapeutics & Host Response

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- *Experimental therapeutics and prognostic factors for gynecological malignancies*
 - *Quality of cancer care and quality improvement strategies*
 - *Social media and web-based interaction in medicine, patient education, patient decision making and empowerment*
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Folakemi Odedina, PhD

Department: Pharmacotherapy & Translational Research and Radiation Oncology

Research Program: Cancer Population Sciences

Email: fodedina@cop.ufl.edu

- *Genetic, environmental and behavioral etiology of prostate cancer disparities in Black men of African ancestry.*
 - *Prostate cancer care and survivorship intervention to reduce prostate cancer disparities in Blacks.*
 - *Prostate cancer burden in a familial cohort of Black men in North America and Africa.*
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Walter O'Dell, PhD

Department: Radiation Oncology
Email: odelwg@shands.ufl.edu

- *Medical image processing*
 - *Radiation biology*
 - *Heart MRI and mechanics*
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Bernadett Papp, PhD

Department: Oral Biology
Email: bpapp@dental.ufl.edu

- *Reprogramming of cellular identity*
 - *Signaling and epigenetic mechanisms of cancer initiation*
 - *Genomics studies in health and disease*
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Deepa Ranka, MS

Department: Health Outcomes & Biomedical Informatics
Email: deepar@ufl.edu

- *Visual Mining for Improving Quality of Health Care*
 - *Medical Analytics for Quantifying Impact of Social Determinants on Health Care Outcomes*
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Ranjala Ratnayake, PhD

Department: Medicinal Chemistry
Research Program: Cancer Therapeutics and Host Response
Email: rratnayake@cop.ufl.edu

- *Drug Discovery*
 - *Assay Development and Screening*
 - *Natural Product Chemistry*
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Rolf Renne, PhD

Department: Molecular Genetics & Microbiology
Research Program: Mechanisms of Oncogenesis
Email: rrenne@ufl.edu

- *How proteins and noncoding RNAs expressed during KSHV latency regulate host and viral gene expression, contributing to our understanding of viral biology and tumorigenesis*
 - *Identifying targets for KSHV-encoded miRNAs by ribonomics approaches including HITS-CLIP and CLASH in disease relevant models*
 - *The role of Epigenetics and histone variants in oral Kaposi's Sarcoma*
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Elias Sayour, MD, PhD

Department: Neurosurgery
Research Program: Cancer Therapeutics & Host Response
Email: elias.sayour@neurosurgery.ufl.edu

- *Nanotechnology*
 - *Cancer immunotherapy*
 - *Cancer vaccines*
 - *Malignant brain tumors*
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Elizabeth (Betsy) A. Shenkman, PhD

Department: Health Outcomes & Policy
Research Program: Cancer Population Sciences
Email: eshenkman@ufl.edu

- *Combinations of health care delivery, community, and patient factors that influence quality and outcomes of care*
 - *Evidence-based strategies to improve health outcomes*
 - *Evidence-based best practice strategies in health care settings*
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Sarah Szurek, PhD

Department: Health Outcomes and Biomedical Informatics
Email: sarah.m.szurek@ufl.edu

- *Community outreach and engagement*
 - *Cancer health disparities*
 - *Rural and vulnerable populations*
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Zsolt Toth, PhD

Department: Oral Biology
Research Program: Mechanisms of Oncogenesis
Email: ztoth@dental.ufl.edu

- *Host-pathogen interactions during Kaposi's sarcoma-associated herpesvirus infection*
 - *Transcriptional and epigenetic regulation of oncogenic herpes viral infection*
 - *Viral immune evasion*
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Jose G. Trevino, MD

Department: Surgery
Research Program: Cancer Population Sciences
Email: jose.trevino@surgery.ufl.edu

- *Pancreatic cancer tumor biology*
 - *Pancreatic cancer cachexia*
 - *Pancreatic cancer health disparities*
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Diana Wilkie, PhD, RN, FAAN

Department: Biobehavioral Nursing Science
Research Program: Cancer Population Sciences
Email: dwilkie@ufl.edu

- *Pain science (mechanisms, assessment and management)*
 - *Palliative Care*
 - *Informatics interventions to improve patient reported outcomes and patient outcomes*
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John R. Wingard, MD

Center Deputy Director
Department: Hematology/Oncology
Research Program: Cancer Therapeutics & Immuno-Oncology; Cancer Population Sciences
Email: wingajr@medicine.ufl.edu

- *Optimizing outcomes of hematopoietic cell transplantation, by exploring new immunosuppressive regimens and cellular adoptive immunotherapy, understanding role of microbiome on transplant outcomes, reducing infectious complications, and conduct of clinical trials in patients with hematologic malignancies*
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Lusine Yaghjyan, MD, MPH, PhD

Department: Epidemiology
Research Program: Cancer Population Sciences
Email: lyaghjyan@ufl.edu

- *Breast cancer epidemiology*
 - *Molecular cancer epidemiology*
 - *Cancer prevention and control*
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Maria Zajac-Kaye, PhD

Department: Anatomy and Cell Biology
Research Program: Mechanisms of Oncogenesis
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- *Pancreatic and lung cancer*
 - *Genetically engineered mice models*
 - *Oncogenes and tumor suppressor genes*
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Daohong Zhou, MD

Department: Pharmacodynamics
Research Program: Cancer Therapeutics and Host Response
Email: zhoudaohong@cop.ufl.edu

- *Investigate the role of cellular senescence in age-related diseases and therapy-induced late effects including myelodysplastic syndromes, leukemia, and pulmonary fibrosis*
 - *Develop small molecule senolytic drugs that can selectively kill senescent cells, including proteolysis targeting chimera (PROTAC)-based novel therapeutics, to treat age-related diseases including cancer and therapy-induced late effects*
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