



CANCER RESEARCH AT SYLVESTER (FACCA ATTENDEES)

Shaun Brothers, PhD

Department: Psychiatry
Research Program: Tumor Biology
Email: sbrothers@med.miami.edu

- *Discovery and development of novel therapeutics for disease, with a focus on epigenetics*
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Kerry L. Burnstein, PhD

Department: Molecular & Cellular Pharmacology
Research Program: Tumor Biology
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- *Mechanisms of steroid hormone receptor action in endocrine cancers*
 - *Androgen receptor signaling in prostate cancer and its role in the development of therapeutic resistance*
 - *Molecular basis for the tumorigenic activities of Vav3/Rac1 and evaluating novel therapeutic approaches in endocrine cancers*
 - *Mechanisms responsible for the metastasis suppressing effects of these miRs*
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Maria (Ken) E. Figueroa, MD

Department: Human Genetics
Research Program: Cancer Epigenetics
Email: mef162@miami.edu

- *Studying the role of epigenetic modifications in transcriptional regulation during normal and malignant hemopoiesis*
 - *Focus on how changes in normal chromatin patterns occur during malignant transformation, and how these changes may contribute to the leukemogenic process*
 - *Using a combination of computational approaches based on genome-wide next generation sequencing data as well as in vitro and in vivo modeling*
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Sophia George, PhD

Department: Obstetrics & Gynecology

Research Program: Cancer Control

Email: sophia.george@med.miami.edu

- *The biological determinants of breast and ovarian cancer predisposition within the population of women at highest risk for developing these aggressive diseases*
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Barry I. Hudson, MD

Department: Medicine

Research Program: Tumor Biology

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- *The role of RAGE / RAGE-ligands in cancer progression and metastasis*
 - *How inflammation increases breast cancer metastasis*
 - *The role of obesity and diabetes in driving breast cancer progression and metastasis*
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Noriyuki Kasahara, MD, PhD

Department: Cell Biology

Research Program: Viral Oncology

Email: nkasahara@med.miami.edu

- *Translational development of gene therapy and oncolytic virotherapy for cancer*
 - *Development of adoptive immunotherapy and genetically engineered cell vaccines for cancer*
 - *Genetic engineering of hematopoietic stem cells for post-transplant chemoselection in vivo*
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Erin Kobetz, PhD, MPH

Department: Medicine

Research Program: Cancer Control

Email: EKobetz@med.miami.edu

- *Social epidemiology*
 - *Health inequality*
 - *Cancer prevention and control*
 - *Social determinants of health and health care utilization*
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Michelle Lin, MBA

Associate Director for Administration
Department: SCCC Research Administration
Email: mlin@med.miami.edu

- *CCSG/Strategic Operations*
 - *SCCC Recruitment and Onboarding*
 - *SCCC Finance, Informatics, Facilities & Shared Resources*
 - *SCCC Pre-Award & Research Activities*
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Stephen D. Nimer, MD

Center Director
Department: Medicine
Research Program: Cancer Epigenetics
Email: snimer@med.miami.edu

- *Care of patients with hematologic malignancies or bone marrow failure*
 - *Clinical investigations of hematopoietic growth factors, and transcriptional modifying therapies*
 - *Investigation of the molecular defects that underlie myeloid malignancies such as AML, myelodysplastic syndromes, or myeloproliferative neoplasms*
 - *Understanding how cancer cells resist chemotherapy and radiation therapy*
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Eric D. Wieder, PhD

Department: Medicine
Research Program: Tumor Biology
Email: ewieder@med.miami.edu

- *Flow cytometry*
 - *Stem cell transplant*
 - *Immune function*
 - *Graft-versus-host disease*
 - *Immunotherapy Roles of TET2, ASXL1 and PHF6 in the normal development of hematopoiesis*
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Sion L. Williams, PhD

Department: Neurology

Research Program: Cancer Epigenetics

Email: slwilliams@med.miami.edu

- *The Oncogenomics Core Facility necessitates an interest in many aspects of cancer genomics. This work covers miRNAs, gene expression profiling, mutation screening and single-cell applications.*
 - *Contribution of kilobase- to megabase-scale structural variants in cancer development*
 - *Role of mitochondrial DNA variants in cancer development*
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Mingjiang Xu, MD, PhD

Department: Biochemistry & Molecular Biology

Research Program: Cancer Epigenetics

Email: mxx51@miami.edu

- *Roles of TET2, ASXL1 and SETBP1 mutations in the pathogenesis of myeloid malignancies*
 - *Roles of TETs in the pathogenesis of lymphoid malignancies*
 - *Roles of PHF6 mutations in the pathogenesis of hematological malignancies*
 - *Development of novel therapeutics for myeloid and lymphoid malignancies*
 - *Roles of TET2, ASXL1 and PHF6 in the normal development of hematopoiesis*
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