CANCER RESEARCH AT MOFFITT (FACCA ATTENDEES)

Daniel Abate-Daga, PhD

Department: Immunology
Research Program: Immunology
Email: daniel.abatedaga@moffitt.org

- *CAR-T cells and TCR-transgenic T cell immunotherapy*
- *Immunoproteomics and CAR signaling*
- *Gamma/Delta T cells*

John Cleveland, PhD

Department: Basic Science
Research Program: Cancer Biology & Evolution
Email: john.cleveland@moffitt.org

- *Oncogenic signaling pathways*
- *Target discoveries and drug development*
- *Tumor metabolism*

Marco Davila, MD, PhD

Department: BMT and Cellular Immunotherapy
Research Program: Immunology
Email: marco.davila@moffitt.org

- Adoptive T cell therapy
- Immunotherapy
- T cell signaling

P. K. Epling-Burnette, PhD

Department: Immunology
Research Program: Immunology
Email: pearlie.burnette@moffitt.org

- *Small molecule drug discovery to improve anti-tumor immunity*
- *Selective HDAC suppression in hematological malignancies*
- *T cell immunometabolism*

Steven Eschrich, PhD

Department: Biostatistics and Bioinformatics
Research Program: Chemical Biology and Molecular Medicine
Email: steven.eschrich@moffitt.org

- *Development of software tools and algorithms for more accurately quantifying gene expression from microarray experiments*
- *Development of more accurate peak detection within mass spec data and better quantification of variability within spectratyping technologies*
- *Computational tools to elucidate more knowledge from high-throughput biological assays*

Peter Forsyth, MD

Department: Neuro Oncology
Research Program: Neuro Oncology
Email: peter.forsyth@moffitt.org

- *Primary and metastatic brain tumors*
- *Experimental therapeutics*
- *Leptomeningeal Disease*
- *Melanoma Brain Metastases & leptomeningeal disease*
- *Oncolytic viruses*

Tomar Ghansah, PhD

Department: Immunology
Research Program: Tumor Immunology
Email: tghansah@health.usf.edu

- *Health disparities in pancreatic cancer*
- *Immunosuppressive regulatory cells*
- *Signal transduction & cancer*

Robert Gillies, PhD

Department: Cancer Imaging & Metabolism
Research Program: CBE
Email: Robert.gillies@moffitt.org

- *Imaging*
- *Physiology*
- *Metabolism*

Haitao (Mark) Ji, MD

Department: Drug Discovery
Research Program: Chemical Biology and Molecular Medicine
Email: Haitao.Ji@moffitt.org

- *Structure-Based Drug Design and Synthesis*
- *Protein–Protein Interaction Inhibition and Regulation*
- *Wnt Signaling*

Florian Karreth, PhD

Department: Molecular Oncology
Research Program: Basic Science
Email: florian.karreth@moffitt.org

- *Melanoma*
- *Non-coding RNA*
- *Mouse Modeling*

Nick Lawrence, PhD

Department: Drug Discovery
Research Program: Chemical Biology and Molecular Medicine
Email: nicholas.lawrence@moffitt.org

- *Medicinal and synthetic organic chemistry: Structure-based anticancer drug design*
- *Kinase and phosphatase drug development*
- *Epigenetic drug targets: bromodomains and histone demethylases*
- *Inducing protein degradation via PROTAC drug design*

Justin Lopchuk, PhD

Department: Drug Discovery
Research Program: Chemical Biology and Molecular Medicine
Email: justin.lopchuk@moffit.org

- *Development of new methods for C–C, C–N, and C–S bond formation*
- *New chemical space – synthesis of novel fragments and functional groups*
- *Total synthesis of bioactive natural products*

Conor Lynch, PhD

Department: Tumor Biology
Research Program: Cancer Biology and Evolution
Email: conor.lynch@moffitt.org

- *Skeletal malignancy*
- *Metastasis*
- *Breast/prostate cancer and multiple myeloma*

Mokenge Malafa, MD

Department: Department of Gastrointestinal Oncology
Research Program: Drug Discovery – Chemical Biology and Molecular Medicine
Email: Mokenge.malafa@moffitt.org

- *Biomarkers in early detection and prognosis of pancreatic cancer*
- *Chemoprevention of GI cancers with a focus on pancreatic and colorectal cancer*
- *Early phase translational clinical trials in GI cancers*

Christine O'Connell, MMSc

Department: Laboratory Research Operations
Research Program: N/A
Email: christine.oconnell@moffitt.org

- *Administrative oversight of Moffitt's Shared Resources*

Jenny Permuth, PhD

Department: Population Science
Research Program: Cancer Epidemiology
Email: jenny.permuth@moffitt.org

- *Molecular epidemiology of gastrointestinal malignancies*

Uwe Rix, PhD

Department: Drug Discovery
Research Program: Chemical Biology and Molecular Medicine
Email: uwe.rix@moffitt.org

- *Drug repurposing through elucidation of polypharmacology mechanisms*
- *Synergistic drug combinations targeting the DNA damage response*
- *Actionable targets and pathways in the tumor microenvironment*
- *Lung cancer, melanoma*

Ernst Schonbrunn, PhD

Department: Drug Discovery
Research Program: Chemical Biology and Molecular Medicine
Email: ernst.schonbrunn@moffitt.org

- Structural biology of medicinally important proteins
- Drug discovery and structure-based drug design
- Protein kinases, epigenetic readers, metabolic enzymes

Brian C. Springer, MHA

Department: Research Administration
Research Program: N/A
Email: brian.springer@moffitt.org

- *Office of Sponsored Research*
- *Clinical Trials Budgets & Contracts*
- *Cancer Center Support Grant*
- *Research Integrity*

Susan Vadaparampil, PhD

Department: Population Science
Research Program: Health Outcomes & Behavior
Email: susan.vadaparampil@moffitt.org

- *Use of genetic and genomic technologies in cancer risk reduction and treatment decision making*
- *Patient, provider, and systems based interventions to increase uptake of HPV Vaccination*
- *Health disparities in cancer prevention and control*

Xuefeng Wang, PhD

Department: Biostatistics and Bioinformatics
Research Program: Cancer Epidemiology
Email: xuefeng.wang@moffitt.org

- *Biostatistics*
- *Computational Biology*
- *Genetic Epidemiology*
- *Immunology*

Sheng Wei, MD

Department: Immunology
Research Program: Tumor Biology
Email: sheng.wei@moffitt.org

- *Suppressive innate immunity*
- *Immune tumor microenvironment*
- *Inflammaging*

Ken Wright, PhD

Department: Immunology
Research Program: Immunology
Email: ken.wright@moffitt.org

- *B cell lymphoma transcriptional regulation*
- *HDAC regulation of non-histone substrates*
- *Enhancement of Natural Killer cell function*
