Siteman Investment Program (SIP) Awardees

The Siteman Investment Program is designed to award pilot funding to faculty investigators to support pioneering cancer research and produce data to leverage external peer reviewed funding.

2019 Cycle 1
Award Start Date: July 1, 2019

Pre-R01 Award

Luis Batista, PhD
Rescue of HNF4a levels restores hepatocyte function and prevents end-stage liver disease and cancer in patients with impaired telomere maintenance

Colin Flaveny, PhD (Saint Louis University)
Targeting LXR regulation of prostate cancer immunometabolism

Michael Holtzman, MD
Reprogramming epithelial stem cells in triple-negative breast cancer

James Janetka, PhD
The role of pericellular serine proteases in tumor progression and resistance to anticancer therapy

Charles Kaufman, MD, PhD
Defining Transcriptional Regulators of Melanoma Initiation

Jeffrey Magee, MD, PhD
Cooperating mutations and resistance to FLT3-ITD inhibition in pediatric acute myeloid leukemia

Jinsong Zhang, PhD (Saint Louis University)
Lysine acetylation of human histone deacetylase 3 as a new cancer target

Multi-PI Pre-R01 Award

Nima Mosammaparast, MD, PhD and Kory Lavine, MD, PhD
Alkylating Chemotherapies Promote Heart Failure by Targeting Tissue Resident Cardiac Macrophages

New & Established Clinical Trial Award

Jian Campian, MD, PhD
Role of a novel IL-7 agonist, rhIL-7hyFc, in immune reconstitution in patients with gliomas

Russell Pachynski, MD
Personalized Neoantigen Vaccine Immunotherapy for Prostate Cancer

Gregory Vlacich, MD, PhD
A Single-Arm Phase II Study with a Safety lead-in of Magnetic Resonance-Guided Hypofractionated Adaptive Radiation Therapy with Concurrent Chemotherapy and Consolidation Durvalumab for Inoperable Stage IIB and IIA Non-small Cell Lung Cancer
2018 Cycle 2
Award Start Date: January 1, 2019

Pre-R01 Award
Yin Cao, ScD, MPH
Oral Microbiome, Virome, and Barrett’s Esophagus

Simon Haroutounian, PhD, MSc
Intravenous lidocaine for preventing oxaliplatin-induced peripheral neuropathy (OIPN)

Aimee James, PhD, MPH
Pilot implementation and feasibility assessment: Multilevel intervention to reduce rural colon cancer disparities

Julie Schwarz, MD, PhD
Radio-sensitization by free fatty acid supplementation in cervical cancer

John Welch, MD, PhD
Retinoid therapy in acute myeloid leukemia

Multi-PI Pre-R01 Award
Rebecca Aft, MD, PhD; Mark Watson, MD, PhD; and, Leonel Hernandez-Aya, MD
Genomic Classification and Targeted Immunotherapy of Disseminated Tumor Cells (DTCs) in Breast Cancer Patients

Team Science Award
Todd Fehniger, MD, PhD and Brad Kahl, MD
Advancing Therapies for Incurable Lymphomas via Translational Team Science

2018 Cycle 1
Award Start Date: July 1, 2018

Pre-R01 Award
Milan Chheda, MD
The role of ZFHX4 in the glioblastoma tumor propagating cell state

Tahir Rahman, MD
Antipsychotics and Breast Cancer

Ryan Teague, PhD (Saint Louis University)
Obesity as an obstacle to cancer immunotherapy

Brian Van Tine, MD, PhD
Using Arginine Metabolism to Treat Sarcomas

Alessandro Vindigni, PhD (Saint Louis University)
Role of PrimPol in BCRA1-deficient tumors
Multi-PI Pre-R01 Award

Delphine Chen, MD and Andrea Wang-Gilliam, MD, PhD
Imaging PARP levels to predict DNA-damaging agent treatment responses in pancreatic cancer

Cynthia Ma, MD, PhD and Jason Held, PhD
NEK9-MAP2K4: A Novel Signaling Axis Promoting Breast Cancer Growth and Chemotherapy Resistance

Joshua Rubin, MD, PhD; Joseph Ippolito, MD, PhD; and, Kwee L. Thio, MD, PhD
Combined ketogenic diet and BCNU for recurrent pediatric brain tumors

2017 Cycle 2
Award Start Date: January 1, 2018

Pre-R01
Grant Challen, PhD
The Role of Interferon Gamma Signaling in the Clonal Evolution of Pre-Leukemic Stem Cells

Jaebok Choi, PhD
IFNγR and IL6R Signaling Pathways as Therapeutic Targets to Prevent GvHD While Preserving GvL

David DeNardo, PhD
The Impact of Macrophage Origin on the Pathogenesis of Pancreatic Cancer

Gavin Dunn, MD, PhD
Development of an Immunocompetent Autochthonous Model of Glioblastoma

Kristen Naegle, PhD
Discovering the Role of Phosphorylation in the Pleckstrin Homology Domain

Jacqueline Payton, MD, PhD
Defining the Role of Long Non-Coding RNAs in Lymphoma Pathogenesis

Lukas Wartman, MD
The Role of the Histone Demethylase KDM6A in Acute Leukemia

Multi-PI Pre-R01
Buck Rogers, PhD and Dong Zhou, PhD
Treatment of Metastatic Prostate Cancer with Radioactive PARP Inhibitors

Pre-SPOR/PPG
Tim Ley, MD
Genomics of Acute Myeloid Leukemia
2017 Cycle 1  
Award Start Date: July 1, 2017

Pre-R01
Jianguo Liu, MD, PhD, Saint Louis University
Posttranscriptional control of breast tumor growth and metastasis

Lee Ratner, MD, PhD
Role of IRF4 in HTLV-Associated Adult T Cell Leukemia Lymphoma

Michael Rettig, PhD
Development of a Superior Mobilizing Regimen for Hematopoietic Stem Cell Transplantation

Amit Pathak, PhD
Memory-Plasticity Crosstalk in Cancer Cells

Multi-PI Pre-R01
Roberta Faccio, PhD and Roberto Civitelli, MD
Characterization and Tumorigenic Action of Osteolineage Cells in the Breast Cancer Microenvironment

Joel Garbow, PhD; Keith Rich, MD; and, Christina Tsien, MD
Post-XRT Effects in Brain Parenchyma Promote Dramatic Changes in Glioma Phenotype

Pre-SPORE/PPG
Jason Mills, PhD, MD
Mechanisms of Gastrointestinal Adenocarcinoma Tumorigenesis

2016 Cycle 2  
Award Start Date: January 1, 2017

Pre-R01 WUSM
James Skeath, PhD
A genetic model of perineural invasion

Steven Teitelbaum, MD
Fatty liver promotes hepatic breast cancer metastasis

Zhongsheng You, PhD
Nonsense-mediated mRNA decay in DNA damage response

Multi-PI Pre-R01
Nima Mosammaparast, MD, PhD and Hani Zaher, PhD
RNA as a target of alkylation chemotherapy in cancer

Terence Myckatyn, MD and Mary Politi, PhD
Optimizing Decision Making about Breast Reconstruction after Mastectomy: A Patient-Centered Approach
Jay Piccirillo, MD; Alex Wong, PhD; Bradley Schlaggar, MD, PhD; and, Lindsay Peterson, MD
Evaluating Cognitive Function and Functional Connectivity in Breast Cancer Survivors Who Received Chemotherapy

Pre-SPORE/PPG
William Gillanders, MD
Siteman Cancer Center Breast Cancer SPORE

2016 Cycle 1
Award Start Date: July 1, 2016

Pre-R01 Award
Jeffrey Bednarski, MD, PhD
DNA Damage Mediated Checkpoints in Early B Cell Development

Ron Bose, MD, PhD
Targeting HER2 activating mutations in Metastatic Breast Cancer

Christopher Maher, PhD
The role of onco-IncRNA-230 as an epigenetic regulator of colon cancer metastasis

Jieya Shao, PhD
Functional Regulation of DNA Damage Response by the Ubiquitin-Selective Protein Segregase VCP

Tanya Wildes, MD, MSCI
Optimizing fall-risk prediction in older adults with cancer

Sergey Korolev, PhD, Saint Louis University
Mechanism and inhibition of PALB2 and BRCA2 proteins

Multi-PI Pre-R01
Kendall Blumer, PhD and Michael Onken, PhD
Direct pharmacological targeting of Gq/11 in uveal melanoma

2015 Cycle 2
Award Start Date: January 1, 2016

Pre-R01
Graham Colditz, MD, DrPH
Premenopausal plasma carotenoids and incident premalignant breast diseases

Joseph Ippolito, MD, PhD
Characterizing the Effects of Sexual Dimorphism on Glioma Metabolism

Albert Kim, MD, PhD
Regulation of glioblastoma stem-like cells by CDC20-Anaphase-Promoting Complex

Kian Lim, MD, PhD
Deactivating the Innate Immune Defense Mechanism of Pancreatic Cancer
**Ryan Teague, PhD**, Saint Louis University
Exploring T cell diversity as a novel mechanism for cancer immunotherapy

**Multi-PI Pre-R01**
**Jeff Milbrandt, MD, PhD and Aaron DiAntonio, MD, PhD**
Axonal maintenance for prevention of chemotherapy-induced peripheral neuropathy

**Pre-SPORE/PPG**
**William Gillanders, MD**
Siteman Cancer Center Breast Cancer SPORE

**Greg Longmore, PhD**
Tumor-Environment Communication Regulating Metastasis

2015 Cycle 1
Award Start Date: July 1, 2015

**Pre-R01**
**David DeNardo, PhD**
Targeting Focal Adhesion Kinase to Render Pancreatic Cancer Responsive to Immunotherapy

**Todd Fehniger, MD, PhD**
Memory-like natural killer (NK) cells for cancer immunotherapy

**Multi-PI Pre-R01**
**Matthew Walter, MD and Eric Duncavage, MD**
Role of Subclones and Mutations in the Progression of MDS to Leukemia (Award returned due to private funding from a foundation)

**Dale Dorsett, PhD; Alessandro Vindigni, PhD; and, Susana Gonzalo, PhD**, Saint Louis University
DNA Replication, Nuclear Architecture and Genome Stability

**Pre-SPORE**
**Jason Mills, MD, PhD**
Mechanisms of Gastrointestinal Adenocarcinoma Tumorigenesis