

## Active Research Grants – SimmonsCooper Cancer Institute at SIU

<b>Title of Grant</b>	<b>Agency**</b>	<b>Award</b>	<b>Research Area</b>	<b>Principal Investigator</b>	<b>Department</b>
Regulatory Role of NF-kB Pathway in Lymphangiogenesis & Breast Cancer Metastasis (3 yrs)	DOD	\$76,136	Breast	Michael Flister	MMI&CB***
MicroRNA-targeting Genes in Breast Cancer	DOD	\$108,375	Breast	Yin-Yuan Mo, Ph.D.	MMI&CB
MicroRNA-21 Mediated Gene Regulation in Breast Cancer	IDPH	\$125,000	Breast	Yin-Yuan Mo, Ph.D.	MMI&CB
TP as a Target to Block EMT during Invasion and Metastasis of Breast Cancer	IDPH	\$100,000	Breast	Daotai Nie, Ph.D.	MMI&CB
Characteristics in the New Estrogen Receptor, GPR3 as a Target in Triple Negative Breast Cancer (2 yrs)	McElroy	\$38,500	Breast	Dr. Elizabeth Peralta	Surgery
Sparc, Avastin and Abraxane	AB	\$49,945	Breast	Sophia Ran, Ph.D.	MMI&CB
NAB-Rapamycin	AB	\$49,945	Breast	Sophia Ran, Ph.D.	MMI&CB
VEGF-A as Target for Inhibition of Lymphatic Metastasis (2 yrs)	McElroy	\$50,000	Breast	Sophia Ran, Ph.D.	MMI&CB
Mechanism of VEGF-A Reg Tumor Lymphangiogenesis ( 2 yrs)	NIH/NCI	\$216,750	Breast	Sophia Ran, Ph.D.	MMI&CB
Exercise Int. for Breast Cancer Patients BEAT Cancer Trial (2 yrs)	MMC	\$23,384	Breast	Dr. Laura Rogers	Medicine
Toxicology of the Complementary Use of Water-xtrac	EAM	\$50,000	Breast	Dr. Elizabeth Peralta	Surgery
Pregnane X as a Regulator of Multi-drug Resistance (2 yrs)	NIH/NCI	\$216,750	Breast	Daotai Nie, Ph.D.	MMI&CB
Targeting Thromboxane A2 Recptr for Anti-Metastasis (4 yrs)	DOD	\$433,410	Breast	Daotai Nie, Ph.D.	MMI&CB
Role of Tumor Metastases Supressor Gene, DRG1 in Breast Cancer (4 yrs)	DOD	\$425,887	Breast	Kounosuke Watabe, Ph.D.	MMI&CB
Inflammation, Cancer and Sleep (2 yrs)	McElroy	\$50,000	Breast	Rita Trammell, Ph.D.	Medicine
Structural Organization and Enzymology of EBV-encoded Protein Kinase (2 yrs)	NIH/NCI	\$397,375	CNS Lymphomas	Edwin Gershburg, Ph.D.	MMI&CB
Transforming Growth Factor Action in Colon Cancer (3 yrs)	NIH/NCI	\$373,152	Colon	Subhas Chakrabarty, Ph.D.	MMI&CB
Role of Aldose Reductase-Like-1/ Colon Tumorigenesis (2 yrs)	NIH/NCI	\$196,425	Colon	Dr. Deliang Cao, Ph.D.	MMI&CB
Contribution Made by the Calcium Sensing Receptor to Maintain Growth and Differentiation of Colorectal Polyps	ACS – IG	\$20,000	Colon	Dr. Mei Chris Huang, Ph.D.	Medicine
DNA Repair and Cancer (3 yrs)	SCCI - EAM	\$400,000	DNA Repair	Farid Kadyrov, Ph.D.	Biochemistry & Molecular Biol.
Characteristics of Multidrug Resistance (5 yrs)	NIH/NCI (sub)	\$87,134	Drug Resistance	Yin-Yuan Mo, Ph.D.	MMI&CB
Characteristics of DEAF-1 Interaction with HSP90	CRC	\$7,500	General	Jodi Huggenvick, Ph.D.	Physiology
Ubc9 as a Novel Target for Cancer Therapy (5 yrs)	NIH/NCI	\$854,125	General	Yin-Yuan Mo, Ph.D.	MMI&CB
Ubc9 Expression in Head and Neck Cancer	CRC	\$15,000	Head and Neck	Dr. James Malone	Surgery
Developing D-Methionine as an Aminoglycoside Otopr (5 yrs)	NIH/NIDCD	\$1,942,972	Head and Neck	Kathleen Campell, Ph.D.	Surgery
American College of Surgeons Oncology Group (2 yrs)	NIH/NIDCD	\$8,000	Head and Neck	Dr. James Malone	Surgery
Endogenous Modulation of Cochlear Injury (5 yrs)	NIH/NIDCD	\$1,236,750	Head and Neck	Dr. Leonard Rybak, Ph.D.	Surgery

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EBV Interaction with PML Nuclear Bodies	CRC	\$7,500	Leukemia	Edward Gershburg, Ph.D.	MMI&CB
Aldose Reductase-Like-1, a Novel Hepatocellular Carcinoma (2 yrs)	NIH/NCI	\$317,900	Liver	Dr. Deliang Cao, Ph.D.	MMI&CB
Internet Website for SIU Lung Cancer Patients	ACS – IG	\$20,000	Lung	Dr. Jacquelyn Quinn	Surgery
MicroRNA Signature and Their Targets (2 yrs)	McElroy	\$50,000	Lymph Node	Yin-Yuan Mo, Ph.D.	MMI&CB
Study of Inflammatory Mediators in Pediatric OMS (2 yrs)	McElroy	\$25,000	Pediatric	Dr. Michael Pranzatelli	Neurology
Effect of Rituximab of CSF and Serum Chemokine/Cyto	Genentech	\$99,740	Pediatric	Dr. Michael Pranzatelli	Neurology
Cytokines as Biomarkers and Therapeutic Targets in Paraneoplastic OMS (3 yrs)	Thrasher	\$279,836	Pediatric	Dr. Michael Pranzatelli	Neurology
Mouse Models of Prostate Cancer	Eagles	\$5,000	Prostate	Michael Collard, Ph.D.	Physiology – C'dale
Postdoc Targeting Fatty Acid Synthase Gene for Prostate Cancer Therapy (2 yrs)	DOD	\$101,442	Prostate	Eiji Furuta, Ph.D.	MMI&CB
15-Lipoxygenase-2 as a Tumor Suppressor (5 yrs)	NIH/NCI	\$1,264,375	Prostate	Daotai Nie, Ph.D.	MMI&CB
15-Lipoxygenase-2 as a Tumor Suppressor	SIU	\$25,000	Prostate	Daotai Nie, Ph.D.	MMI&CB
Soliago Virgaurea for Prostate C Therapy (3 yrs)	DOD	\$541,348	Prostate	Kounosuke Watabe, Ph.D.	MMI&CB
Adenosine and Prostate Cancer Metastasis	EAM	\$49,969	Prostate	Vickram Ramkumar, Ph.D.	Pharmacology
Mech of Tumor Metastases Suppression by Drg1 (5 yrs)	NIH/NCI	\$1,036,128	Prostate/Breast	Kounosuke Watabe, Ph.D.	MMI&CB
Pregnane X Receptor as a Master Regulator of MDR	CRC	\$15,000	Prostate/Breast	Daotai Nie, Ph.D.	MMI&CB
The Effect of American Ginseng on Human Breast and Prostate Cancer	Eagles	\$5,000	Prostate/Breast	Laura Murphy, Ph.D.	Physiology – C'dale
Creating Cells, Cores, Cancer and Community (2 yrs)	IDPH	\$157,936	Stem Cells	Mary McAsey, Ph.D.	OB/GYN
Stem Cell Targeting of Ovarian Cancer: A Novel Approach to Delivery of Cell-Based Therapeutics (2 yrs)	McElroy	\$38,500	Stem Cells	Mary McAsey, Ph.D.	OB/GYN
Tumor Suppression by a Stress-Inducible Chloride C (2 yrs)	Phillip Morris	\$600,613	Tumor	Randolph Elble, Ph.D.	Pharmacology
Funct. Role of Tumor Metastases Suppression Gene KAI1 (5 yrs)	NIH/NCI	\$1,013,008	Tumor	Kounosuke Watabe, Ph.D.	MMI&CB
<b>TOTAL AMOUNT OF GRANTS</b>		<b>\$13,205,810</b>			

### \*\* Agency

AB – Abraxis Bioscience

ACS – American Cancer Society

ACS-IG – American Cancer Society Institutional Grant

CRC – Central Research Committee - SIU

DOD – Department of Defense

EAM – Excellence in Academic Medicine – SIU

Eagles – Fraternal Order of Eagles

IDPH – Illinois Department of Public Health

MMC – Memorial Medical Center

McElroy – William E. McElroy Charitable Foundation

NCI – National Cancer Institute

NIDCD – National Institute on Deafness and Other Communication Disorders

NIH – National Institutes of Health

SCCI – SimmonsCooper Cancer Institute

\*\*\***MMI&CB** – Medical Microbiology, Immunology and Cell Biology