

## FACULTY AWARDED PATENTS

**Ashkan Emadi**

Edward Sausville

Rena Lapidus

Brandon Carter-Cooper

**School of Medicine**

“Compositions and Methods for the Treatment of Cancers”

**Vincent Njar****School of Medicine**

“Biomarkers for Treatment of Neoplastic Disorders Using Androgen-Targeted Therapies”

**Frank Robb****School of Medicine**

“Thermostabilization of DNA Polymerase by Protein Folding Pathway from a Hyperthermophile Archaeon”

**Andrew Coop**

Alexander MacKerell Jr.

**School of Pharmacy**“Novel Mixed  $\mu$  Agonist/ $\delta$  Antagonist Opioid Analgesics with Reduced Tolerance Liabilities and Uses Thereof”**Huakun Xu****School of Dentistry**

“Bone Pastes Comprising Bio-functionalized Calcium Phosphate Cements with Enhanced Cell Functions for Bone Repair”

**Warren D’Souza**

Thomas McAvoy

Kathleen Malinowski

**School of Medicine**

“Method for Monitoring the Accuracy of Tissue Motion Prediction from Surrogates”

**Alan Faden**

Boris Sabirzhanov

Bogdan Stoica

**School of Medicine**

“Use of miR-23a-3p and/or miR-27a-3p Mimics as Therapeutic Agents for Inhibition of Neuronal Apoptosis Following Brain Injury”

**La-Xi Wang****School of Medicine**

“Chemoenzymatic Glycoengineering of Antibodies and Fc Fragments Thereof”

**Vincent Njar**

Lalji Gediya

Puranik Purushottamachar

Andrew Kwegyir-Afful

Tadas Vasaitis

**School of Medicine**

“Androgen Receptor Down-Regulating Agents and Uses Thereof”

**James Galen****School of Medicine**

“Bacterial Live Vector Vaccines Expressing Chromosomally-Integrated Foreign Antigens”

**Ming Xue**

Seth Kligerman

Warren D’Souza

Hao Howard Zhang

**School of Medicine**

“Methods and Apparatus for Individually Optimizing Uniform Contrast Enhancements in Computed Tomography Imaging”

**Eduardo Davila****School of Medicine**

“Total and Phosphorylated IL-1 Receptor-Associated Kinase-1 (IRAK-1) and (IRAK-4) as a Biomarker for Cancer Progression and Chemotherapy Resistance”

**Cha-Min Tang**

Ashraf Fouad

Chia-Ing Liang

Yu Chen

Nicholas Woolsey

**School of Medicine**

“Coherence Gated Doppler Motion Sensor and Medical Applications”

**Dudley Strickland****School of Medicine**

“Methods and Compositions for Modulation of Blood-Neural Barrier”

**Robert Schwarcz****School of Medicine**

“Derivatives of Nicotinic Acid N-Oxide, Their Preparation and Their Use as Inhibitors of Enzyme-3-Hydroxyanthranilate-3,4-Dioxygenase”

**Marc Simard****School of Medicine**

“Targeting NC Ca-ATP Channel for Organ Protection Following Ischemic Episode”

**Scott Strome**

Dan Schulze

**School of Medicine**

“Immunoglobulin Constant Region Fc Receptor Binding Agents”

**Christopher Ward****School of Nursing &****School of Medicine**

“Treatment of Muscular Conditions and Muscular Dystrophies”

**David Trisler**

Chris Bever

**School of Medicine**

“Stem Cell Culture Medium and Method of Using Said Medium and the Cells”

**Huakun Xu**

Michael Weir

**School of Dentistry**

“Nanostructured Antibacterial and Remineralizing Dental Bonding Agents and Dental Bonding Systems”

**Deanna Kelly****School of Medicine**

“Analytical Micro-Devices for Mental Health Treatment Monitoring”

**James Polli**

Jean-Pierre Raufman

**School of Pharmacy**

“Compositions and Methods to Evaluate Hepatobiliary/Gastrointestinal Health, Enterohepatic Circulation, and Drug Interactions”

**Lai-Xi Wang****School of Medicine**

“Glycoprotein Synthesis and Remodeling by Enzymatic Transglycosylation”

**Alan Cross****School of Medicine**

“Detoxified Endotoxin Immunogenic Compositions and Uses Thereof”

**Feyruz Rassool****School of Medicine**

“Targeting Abnormal DNA Repair in Therapy-Resistant Breast and Pancreatic Cancers”

**Zeljko Vujaskovic**

Lauren Jackson

**School of Medicine**

“Administration of a Therapeutic Amount of Genistein to Mitigate Erectile Dysfunction Resulting from Radiation Therapy for Prostate Cancer Only Throughout a Defined Administration Period Commencing Shortly Before and Concluding After Radiation Therapy”

**James Gammie****School of Medicine**

“Method and Apparatus for Transapical Procedures on a Mitral Valve”

