2014 Translational Pilot Program Awardees

Principal Investigator: YiQiang Cheng, PhD
Project Title: Experimental Therapeutics Targeting Aberrant Alternative Splicing of Androgen Receptor Gene Expression in Castration Resistant Prostate Cancer

Principal Investigator: Benjamin F. Chong, MD
Project Title: Macrophages in discoid lupus skin

Principal Investigator: Ian R Corbin, PhD
Project Title: Abating PI3K/Akt Signaling Pathways with Folate Receptor Targeting HDL Nanoparticles Loaded with Omega-3 Fatty Acids: A Novel Anticancer Strategy for Ovarian Cancer

Principal Investigator: Laurent Gautron, PhD
Project Title: Neural Mechanisms Underlying Bariatric Surgery-Induced Alcoholism

Principal Investigator: Tae Hyun Hwang, PhD
Project Title: Computational analysis of intratumor heterogeneity in tumors

Principal Investigator: Chalermchai Khemtong, PhD
Project Title: Pulmonary Delivery of MRI-Visible Nanoparticles for the Detection of Lung Cancer

Principal Investigator: David Reading, MD, MS
Project Title: Optimization and Validation of Magnetic Resonance Imaging of Brown Adipose Tissue in Humans

Principal Investigator: Daniel J. Siegwart, PhD
Project Title: Discovery of materials that selectively deliver microRNAs to cause lung cancer cell death

Principal Investigator: Paul C. Trippier, PhD
Project Title: Hit-to-Lead Optimization Drug Discovery for the Treatment of Batten Disease

Principal Investigator: David B. Nelson, MD
Project Title: A prospective, observational study of active drug levels and steroid hormone profiles in women with prior preterm births treated with 17-alpha hydroxyprogesterone caproate

Principal Investigator: Muhammad Shaalan Beg, MD
Project Title: A Pilot Study of “OncozeneTM” Microspheres for intra-arterial delivery of doxorubicin for the treatment of patients with unresectable hepatocellular cancer

Principal Investigator: Jamie Morgan, MD
Project Title: Pharmacokinetics of amlodipine besylate at delivery and during lactation

Principal Investigator: Kimmo J. Hatanpaa, MD, PhD
Project Title: Effects of histological grade and socioeconomic variables of clinical outcome in patients with grade II-III astrocytomas and oligoastrocytomas
Principal Investigator: Metin Yavuz, DEng
Project Title: Cooling footwear prototype development