**STT Program Area Progress Report Submitted**

The Progress Report for our program area was submitted in August. Scientific progress and achievements were outlined in areas including Signal transduction and tumor analysis and Clinical Translational Studies. The role of the Cancer Center and Future Plans were described. Please see the highlights below and visit our website for the full report.

**Signaling Pathways:**
The mTOR signaling pathway
the Pten/Akt Signaling
CREB
metformin GLP-1
metabolic changes in cancer cells
small molecule inhibitors of pyruvate kinase M2

**Global Analysis, Genomics, Proteomics:**
Large scale co-expression analysis of disease characterization,
phosphoproteome analysis of aortic endothelial cells,
salivary biomarkers, salivary miRNA for oral cancer detection

**Inhibitors, Nanodelivery, therapy:**
small molecule inhibitor ABT-869,
targeting liposomes,
delivery of siRNA using mesoporous silica nanoparticles,
significance of cancer stem cells for cancer therapy

**Clinical Translational Studies**
ErbB, PTEN/MTOR, IGF-1R, Hsp90

**EVENTS**

**Sept. 13, 2010 Roundtable Discussion:** CREB and Pancreatic Cancer

**Nov. 23, 2010 Guest Speaker Seminar:**
"Small-molecule modulators of gene transcription: Rho signaling in prostate cancer and melanoma" by Richard Neubig, Department of Pharmacology, University of Michigan

**October 13, 2010 Guest Speaker Seminar:**
Ravi Bhatia, City of Hope (sponsored by Heme Malignancies and STT).

**Course:** Pathology M280 - Clinical Aspects and Molecular Biology of Bone Marrow Failure Syndromes

**NEW MEMBERS SINCE 2008**

Shen Hu, Assistant Professor, School of Dentistry
Anthony Heaney, Associate Prof. in Residence, Med & Neurology
Raphael D Levine, Prof of Mol & Med Pharm Mol & Med Pharm
Phioanh Leia Ngiemphu, Assistant Clinical Professor, Path & Lab Med
William H Yong, Associate Clinical Professor, Path and Lab Med
Heather Christofk, Assistant Professor, Mol & Med Pharm
Noah Federman, Assistant Professor, Pediatric Hem Onc
Farhad Parhami, Professor in Residence, Med/Cardiology
Marilene Wang, Professor in Residence, Surgery/Head/Neck
Hua Linda Cai, Assistant Professor, Anesthesiology
Scott Kitchen, Assistant Professor, Med/Hem/Onc

**ON THE NEWS**

Pancreatic Cancers Use Fructose, Common in a Western Diet, to Fuel Growth

Irradiating Stem Cell Niche Doubles Survival in Patients with Deadly Brain Cancers

Researchers use nanoparticles to shrink tumors in mice

**MEMBER COMMENTS**

Coming Soon