

**CTT/TI-3D Chemistry & Molecularly Targeted
Therapeutic Development Grant Program Awardees
(alphabetically)**

- **“Caffeic Acid Phenethyl Ester (CAPE)-Based Specific Inhibitor of Inflammatory Pathway”**
Co-PIs: Bharat Aggarwal, Ph.D. – CTT, Department of Experimental Therapeutics
Sean M. Kerwin, Ph.D. – TI-3D, College of Pharmacy
- **“Redesign Resveratrol to Overcome Chemoresistance in Human Multiple Myeloma Cells”**
Co-PIs: Bharat Aggarwal, Ph.D. – CTT, Department of Experimental Therapeutics
Dionicio R. Siegel, Ph.D. – TI-3D, Department of Chemistry & Biochemistry
- **“Targeting microRNAs with Small Molecules: A Novel Approach to Treating Cancer”**
Co-PIs: Shuxing Zhang, Ph.D. & George Calin, M.D., Ph.D. – CTT, Department of Experimental Therapeutics
Andrew D. Ellington, Ph.D. – TI-3D, Department of Chemistry & Biochemistry
- **“Small Molecule Inhibitors of TRAF6 from Virtual Screening to Lead Optimization”**
Co-PIs: Bryant G. Darnay, Ph.D. – CTT, Department of Experimental Therapeutics
William Bornmann, Ph.D. – CTT, Department of Experimental Therapeutics
Collaborators: Shuxing Zhang, Ph.D. – CTT, Department of Experimental Therapeutics; Hao Wu, Ph.D. – Cornell
- **“Tissue, Cell and Small Molecule Libraries for Diagnosing & Treating Melanoma”**
Co-PIs: Suhendan Ekmekcioglu, Ph.D. – CTT, Department of Experimental Therapeutics
Walter L. Fast, Ph.D. – TI-3D, College of Pharmacy
- **“Development of Novel Small Molecule Anti-Cancer Compounds Targeting the Akt/mTOR/HIF-1 α Pathway”**
Co-PIs: Zhen Fan, M.D. – CTT, Department of Experimental Therapeutics
Eric V. Anslyn, Ph.D. – TI-3D, Department of Chemistry & Biochemistry
- **“Development of Cell Surface Glycan-based Cancer Vaccines”**
Co-PIs: Elizabeth A. Grimm, Ph.D. – CTT, Department of Experimental Therapeutics
Hung-wen Liu, Ph.D. – TI-3D, Department of Chemistry & Biochemistry
Collaborator: Pinghua Liu (UT)
- **“Design & Development of Agents that Block the Viral Protein Docking Site in Alix”**
Co-PIs: Jian Kuang, Ph.D. – CTT, Department of Experimental Therapeutics
Stephen F. Martin, Ph.D. – TI-3D, Department of Chemistry & Biochemistry
- **“Targeted Therapy of Malignant Melanoma Using Engineered Human Arginases”**
Co-PIs: Macus Tien Kuo, Ph.D. – CTT, Department of Molecular Pathology
George Georgiou, Ph.D. – TI-3D, Department of Engineering
- **“Stat3 Inhibitors for the Treatment of Aggressive Locally Advanced Breast Cancer”**
Co-PIs: Fredika Robertson, Ph.D. – CTT, Department of Experimental Therapeutics
John S. McMurray, Ph.D. – CTT, Department of Experimental Therapeutics
Collaborator: Warren S. Liao, Ph.D. – CTT, Department of Experimental Therapeutics
- **“Platinum-tetraphyrin Cisplatin Conjugates and Drug Resistance Interactions”**
Co-PIs: Zahid H. Siddik, Ph.D. – CTT, Department of Experimental Therapeutics
Jonathan L. Sessler, Ph.D. -- TI-3D, Department of Chemistry & Biochemistry
- **“Targeting PERK and the Tumor’s Stress Response for Cancer Therapy”**
Co-PIs: Taly Spivak-Kroizman, Ph.D. – CTT, Department of Experimental Therapeutics
Kevin N. Dalby, Ph.D. – TI-3D, College of Pharmacy