Posters for the 2014 Cancer Technology & Epidemiology Symposium

- **Development of nanoscale structure in LAT-based complexes in Jurkat T cells**
  Valarie Barr*, National Cancer Institute, National Institutes of Health
  Eilon Sherman, National Cancer Institute, National Institutes of Health
  Itoro Akpan, National Cancer Institute, National Institutes of Health
  Lakshmi Balagopalan, National Cancer Institute, National Institutes of Health Institute
  Robert Merrill National Cancer Institute, National Institutes of Health
  Alexandre Rouquette-Jazdanian, National Cancer Institute, National Institutes of Health
  Connie Sommers, National Cancer Institute, National Institutes of Health
  Lawrence Samelson, National Cancer Institute, National Institutes of Health

- **Uncovering Multi-microRNA Signatures of Acute Myeloid and Lymphoblastic Leukemias**
  Julián Candía*, UMD College of Computer, Mathematical, and Natural Sciences College Park & UMD Baltimore
  Srujana Cherukuri, Noble Life Sciences
  Jayanth Banavar, UMD College of Computer, Mathematical, and Natural Sciences, College Park
  Curt Civin, UMD School of Medicine, Baltimore
  Wolfgang Losert, UMD College of Computer, Mathematical, and Natural Sciences, College Park
• **Machine Learning Analysis for Identification of Cell Shape Metrics Associated with Stem Cell Differentiation in Nanofiber Scaffolds**
  Desu Chen*, UMD College of Computer, Mathematical, and Natural Sciences College Park
  Sumona Sarkar, National Institute of Standards and Technology
  Julián Candia, UMD College of Computer, Mathematical, and Natural Sciences College Park & UMD Baltimore
  Joy Dunkers, National Institute of Standards and Technology
  Wolfgang Losert, UMD College of Computer, Mathematical, and Natural Sciences, College Park

• **Incremental Health Care Expenditures related to Depression, Anxiety, Stress, and Substance Abuse among Cancer Survivors**
  Jei Chen*, UMD School of Public Health, College Park

• **Functional importance of localized ribosomal protein translation**
  Sarah Clatterbuck Soper*, National Cancer Institute, National Institutes of Health
  Stavroula Mili, National Cancer Institute, National Institutes of Health

• **Using Fast Regularized Canonical Correlation to Analyze NCI-60 MicroRNA Data**
  Raul Cruz-Cano*, UMD School of Public Health, College Park
  Mei-Ling Ting Lee, UMD School of Public Health, College Park
• **Adenylyl Cyclase A (ACA) mRNA spatially localizes to the vesicles at the back of polarized Dictyostelium cells during Chemotaxis**
  
  Satarupa Das*, UMD College of Computer, Mathematical, and Natural Sciences, College Park  
  Joshua Parker, UMD College of Computer, Mathematical, and Natural Sciences, College Park  
  Can Guven, UMD College of Computer, Mathematical, and Natural Sciences, College Park  
  Wolfgang Losert, UMD College of Computer, Mathematical, and Natural Sciences, College Park  
  Carole Parent, National Cancer Institute, National Institutes of Health

• **Enhanced Solubility and Delivery of Pharmaceutical Agents using Cucurbit[n]uril-Type Compounds**
  
  Gaya Hettiarachchi*, UMD College of Computer, Mathematical, and Natural Sciences, College Park  
  Ben Zhang, UMD College of Computer, Mathematical, and Natural Sciences, College Park  
  Da Ma, UMD College of Computer, Mathematical, and Natural Sciences, College Park  
  Da Ma, UMD College of Computer, Mathematical, and Natural Sciences, College Park  
  Lyle Isaacs, UMD College of Computer, Mathematical, and Natural Sciences, College Park  
  Volker Briken, UMD College of Computer, Mathematical, and Natural Sciences, College Park
- **Analysis of chromosome gain-driven activation of mitotic RanGTP gradient**
  Petr Kalab*, National Cancer Institute, National Institutes of Health
  Keisuke Hasegawa, National Cancer Institute, National Institutes of Health
  Pavol Cekan, National Cancer Institute, National Institutes of Health
  Sung Jin Ryu, National Cancer Institute, National Institutes of Health
  David Odde, College of Science & Engineering, University of Minnesota

- **The Isolation and Proteomic Analysis of Dictyoselium Exosomes**
  Paul Kriebel*, National Cancer Institute, National Institutes of Health

- **Quantifying Collective Migration in Cancer Progression**
  Rachel Lee*, UMD College of Computer, Mathematical, and Natural Sciences, College Park
  Kerstin Nordstrom, UMD College of Computer, Mathematical, and Natural Sciences, College Park
  Christina Stuelten, National Cancer Institute, National Institutes of Health
  Carole Parent, National Cancer Institute, National Institutes of Health
  Wolfgang Losert, UMD College of Computer, Mathematical, and Natural Sciences, College Park
• **Characterization of microRNA transcriptome in lung cancer by next-generation deep sequencing**
  Jie Ma, Department of Pathology, UMD School of Medicine, Baltimore
  Kaiissar Mannoor, Department of Pathology, UMD School of Medicine, Baltimore
  Lu Gao, Department of Pathology, UMD School of Medicine, Baltimore
  Afang Tan, Department of Pathology, UMD School of Medicine, Baltimore
  Maria A. Guarnera, Department of Pathology, UMD School of Medicine, Baltimore
  Min Zhan, Department of Epidemiology and Public Health, UMD School of Medicine, Baltimore
  Amol Shetty, Institute for Genome Sciences, UMD School of Medicine, Baltimore
  Lingxiao Xing, Department of Pathology, Hebei Medical University, Shijiazhuang, China
  Mei-Ling Ting Lee, UMD School of Public Health, College Park
  Xin He, UMD School of Public Health, College Park
  Sanford A. Stass, Department of Pathology, UMD School of Medicine, Baltimore
  Feng Jiang*, Department of Pathology, UMD School of Medicine, Baltimore

• **A Possible Reclassification of Cancer Type to Ilucidate New Treatment Options**
  Linda Martin*, UMD School of Medicine, Baltimore
• Biomimetic assembly of inorganic nanoparticles for theranostics
  Zhihong Nie*, UMD College of Computer, Mathematical, and Natural Sciences, College Park
  Jie He, UMD College of Computer, Mathematical, and Natural Sciences, College Park
  Yijing Liu, UMD College of Computer, Mathematical, and Natural Sciences, College Park
  Xiaoyuan Shawn Chen, National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health

• fMLP-LTB4 signal relay during neutrophil chemotaxis
  Carole Parent*, National Cancer Institute, National Institutes of Health
  Konstadinos Moissoglu, National Cancer Institute, National Institutes of Health
  Ritankar Majumdar, National Cancer Institute, National Institutes of Health

• LPA Increases Cohesiveness of Migrating Sheets of Human Breast Cancer Cells and Alters E-cadherin and Myosin IIb Localization
  Christina Stuelten*, National Cancer Institute, National Institutes of Health
  Rachel Lee, UMD College of Computer, Mathematical, and Natural Sciences, College Park
  Michael Weiger, National Cancer Institute, National Institutes of Health
  Lunhua Liu, National Cancer Institute, National Institutes of Health
  Carole Parent, National Cancer Institute, National Institutes of Health

• Regulation of localized APC-RNP by ALS-associated mutants of Fus RNA-binding protein
  Kyota Yasuda*, National Cancer Institute, National Institutes of Health
  Stavroula Mili, National Cancer Institute, National Institutes of Health
Centrosome repositioning in Jurkat T cells is biphasic and driven by a microtubule end-on capture-shrinkage mechanism

Jason Chang Yi *, National Heart, Lung, and Blood Institute, National Institutes of Health

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James Chen, School of Medicine, Stanford University

Tarun Kapoor, Rockefeller University

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