

The First International Symposium of Translational Theranostics

May 26 - 27, 2014
Graduate School at Shenzhen, Tsinghua University
Shenzhen, China

Agenda

May 26, 2014

<p>7:30 – 8:30 a.m. 8:30 – 8:45 a.m.</p>	<p>Registration and breakfast</p> <p>Opening remark</p> <p style="text-align: center;">Yuyang Jiang</p> <p style="text-align: center;"><i>Deputy Director of Shenzhen Municipal People's Congress of China Director of State Key Laboratory of Chemical Biology founded by Guangdong and the Ministry of Science and Technology, Tsinghua University</i></p> <p style="text-align: center;">Xuan Qiu</p> <p style="text-align: center;"><i>Deputy Director of Shenzhen Science and Technology Innovation Committee</i></p>
<p style="text-align: center;">Session 1 New Vision for Disease Biomarkers</p> <p style="text-align: center;">Chair: <i>Christos Patriotis, Ph.D.</i></p> <p style="text-align: center;">Program Director, Cancer Biomarkers Research Group, Division of Cancer Prevention, National Cancer Institute, NIH, USA.</p>	
<p>8:45 – 9:15 a.m. 9:15 – 9:45 a.m. 9:45 – 10:15 a.m.</p>	<p>Daniel Chan, Ph.D., DABCC, FACB</p> <p style="text-align: center;">Translation of Cancer Biomarkers into Clinical Practice: The 4Bs, 4Gs & 4Ps</p> <p>Nancy Jenkins, Ph.D.</p> <p style="text-align: center;">Transposon mutagenesis identifies genes driving HCC in a chronic hepatitis B mouse model</p> <p>Joshua LaBaer, M.D., Ph.D.</p> <p style="text-align: center;">High Throughput Cell-Based Studies and Protein Microarrays for Biomarker and Target Discovery</p>
<p>10:15 – 10:30 a.m.</p>	<p>Coffee break</p>

Session 2 Advanced Imaging Technologies

Chair: Hossein Jadvar, MD, PhD, MPH, MBA

Associate Professor of Radiology and Vice Chair of Research, University of Southern California; Vice President-Elect, Society of Nuclear Medicine and Molecular Imaging

10:30 - 11:00 a.m.	Peter Herscovitch, MD Amyloid Imaging in the Developments of Anti-Alzheimer Disease Therapeutics
11:00 – 11:30 a.m.	Mingyuan Gao, PD. D Functional nanoparticles for tumor imaging
11:30 – 12:00 a.m.	Hossein Jadvar, MD, PhD, MPH, MBA Clinical and Translational Molecular Imaging and Therapy of Prostate Cancer
12:00 – 1:30 p.m.	Lunch Poster Exhibition

Session 3 Nanomedicine in Theranostics 1

Chair: Xiaoyuan (Shawn) Chen, Ph.D.

Senior Investigator and Chief, Laboratory of Molecular Imaging and Nanomedicine, National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health

1:30 – 2:15 p.m.	Wolfgang Parak, Ph.D. Degradation of nanoparticles in biological environments
2:15 – 2:45 p.m.	Xiaoyuan (Shawn) Chen, Ph.D. A Versatile Nanoplatfrom for Systemic Delivery of RNAis
2:45 – 3:15 p.m.	Guangjun Nie, Ph. D. Regulation of tumor microenvironment via nano-drug systems for tumor diagnosis and therapy
3:15 – 3:30 p.m.	Coffee break

Session 4 Regulation in Clinical Translation

Chair: Tong Sun MBA

Director, Central Operations, Houston Methodist Research Institute

3:30 – 4:00 p.m.	Edward Jones, MBA Clinical Translation: Research Operations and Management for the patient
4:00 – 4:30 p.m.	Xifeng Wu, M.D., Ph.D. Extending the Reach of Integrative Population Science: Clinical and Population Applications
4:30 – 5:00 p.m.	Christos Patriotis, Ph.D. Understanding the Natural History of Cancer is Essential for the Development of

	Effective Early Diagnostics that can Impact Survival and Mortality Rates
6:00 – 10:00 p.m.	Dinner and group event (TBN)

May 27, 2014

7:00 – 8:30 a.m.	Breakfast
Session 1 New Molecular Targets for Theranostics Chair: John Cooke, MD, Ph.D. <i>Chair, Department of Cardiovascular Sciences, Director, Center for Cardiovascular Regeneration Houston Methodist Research Institute</i>	
8:30 – 9:00 a.m.	Neal Copeland, Ph.D. Harnessing Transposons for Cancer Gene Discovery in the Gastrointestinal Tract
9:00 – 9:30 a.m.	John Cooke, MD, Ph.D. How Nuclear Reprogramming will change the practice of Medicine
9:30 – 10:00 a.m.	Weihong Tan, Ph.D. The foundation of molecular medicine: A chemical biology approach
10:00 – 10:30 a.m.	Li Ma, Ph.D. Novel determinants and therapeutic targets in breast cancer
10:30 – 10:45 a.m.	Coffee break
Session 2 Clinical Practice Chair: Edward A. Jones, MBA <i>Chief Operating Officer, Houston Methodist Research Institute</i>	
10:45 – 11:15 a.m.	Christian Singer, MD, MPH Serial tumor assessments as a theragnostic tool in neoadjuvant Window Trials
11:15 – 11:45 a.m.	Rongfu Wang, Ph.D. Immune regulation and cancer immunotherapy
12:00 – 1:30 p.m.	Lunch Poster Exhibition
Session 3 Clinical Chemistry Chair: Tony Hu, Ph.D. <i>Assistant Professor, Department of Nanomedicine, The Methodist Hospital Research Institute</i>	
1:30 – 2:00 p.m.	Yingfu Li Ph.D. Tracking Bacterial Infection Using Functional Nucleic Acids

2:00 – 2:30 p.m.	Tony Hu, Ph.D. Circulating proteolytic products of tumor-resident enzyme as potential biomarkers for cancer early detection
2:30-3:00	Hongxi Xu, Ph.D Use of compounds from medicinal plants for targeted anticancer therapy
3:00 – 3:15 p.m.	Coffee break
Session 4 Nanomedicine in Theranostics 2	
Chair: Weihong Tan, Ph.D. Distinguished Professor, Hunan University, V. T. and Louise Jackson Professor of Chemistry, University of Florida	
3:15 – 3:45 p.m.	Anil Patri, Ph.D. Nanomedicines: Design Principles for Biomedical Applications
3:45 – 4:15 p.m.	Dal-Hee Min, Ph.D. Drug Screening and Biosensors based on Graphene Oxide
4:15 – 4:45 p.m.	Feng Si-Shen, Ph.D. Advances in Nanomedicine
4:45 – 5:30 p.m.	Poster Evaluation