

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Cancer Stem Cells: Advances in Biology and Clinical Translation (T2)

October 13-17, 2019 • Lee Shau Kee Lecture Centre, Centennial Campus, The University of Hong Kong • Pok Fu Lam, Hong Kong

Scientific Organizers: Irene Oi Lin Ng, Xin Wei Wang and Dean G. Tang

Organized in collaboration with the Croucher Foundation and The University of Hong Kong

Travel Award Deadline: July 9, 2019 / Discounted Abstract & Scholarship Deadline: July 9, 2019 / Abstract Deadline: August 14, 2019 / Discounted Registration Deadline: August 14, 2019

SUNDAY, OCTOBER 13

Arrival and Registration

MONDAY, OCTOBER 14

Keynote Address

Irving L. Weissman, Stanford University, USA
Normal and Neoplastic Stem Cells

Normal Stem Cell Biology

Markus Grompe, Oregon Health & Science University, USA
The Role of Polyploid Hepatocytes during Liver Regeneration and Cancer

Duanqing Pei, Guangzhou Institutes of Biomedicine and Health, China
Chemical Induction of Pluripotency

Amy J. Wagers, Harvard University, USA
Muscle Stem Cells

Short Talks Chosen from Abstracts

Poster Session 1

Stem Cell and Cancer

Michael M. Shen, Columbia University, USA
Neuroendocrine Differentiation in Prostate Development and Cancer

Richard White, Memorial Sloan Kettering Cancer Center, USA
Cell-Cell Interactions as Drivers of Metastasis: Insights from Zebrafish Models of Melanoma

Klaus H. Kaestner, University of Pennsylvania School of Medicine, USA
Genetic Screens for Drivers and Modifiers of Liver Cancer

Short Talks Chosen from Abstracts

TUESDAY, OCTOBER 15

Cancer Stem Cells - Regulation

Junfang Ji, Zhejiang University, China
miRNAs and Hepatic Cancer Stem Cells

Calvin Kuo, Stanford University, USA
Organoid Modeling of the Tumor Microenvironment

Lola McAdams Reid, University of North Carolina at Chapel Hill, USA
Patch Grafting of Endodermal Stem/Progenitor Organoids Enable Hepatic and Pancreatic Cell Therapies

Lijian Hui, Shanghai Institutes of Biological Sciences, China
Talk Title to be Announced

Short Talks Chosen from Abstracts

Poster Session 2

Cancer Stem Cell Biology

Irene Oi Lin Ng, University of Hong Kong, Hong Kong
Liver Cancer Stemness

Chunzhang Yang, NCI, National Institutes of Health, USA
IDH1 Mutation Predisposes Distinctive Therapeutic Vulnerabilities in Glioma Stem Cells

Suling Liu, Shanghai Cancer Center, China
Regulation of Breast Cancer Stem Cells and Drug Resistance
Short Talks Chosen from Abstracts

WEDNESDAY, OCTOBER 16

CSC, Tumor Microenvironment and Immunity

Zena Werb, University of California, San Francisco, USA
Role of Myeloid Cells in Regulating the Metastatic Cell Niche

Wei Guo, University of Pennsylvania, USA
Tumor-Derived Exosomes in Immune Suppression

Stephanie K.Y. Ma, University of Hong Kong, Hong Kong
Non-Cellular Components of the Tumor Microenvironment in Maintenance of Liver Cancer Stemness

Carmen Chak-Lui Wong, University of Hong Kong, Hong Kong
Hypoxia, Cancer and Cancer Stemness

Short Talks Chosen from Abstracts

Cancer Cell Heterogeneity

Xin Wei Wang, NCI, National Institutes of Health, USA
Integrated Genomics to Uncover Clinically-Relevant Liver Cancer Drivers

Ning Zhang, Peking University, China
Single Cell Analysis on Liver Cancer

Erwei Song, Sun-Yat-Sen Memorial Hospital, China
Tumor Microenvironment and Cancer Stem Cells

Short Talks Chosen from Abstracts

Poster Session 3

THURSDAY, OCTOBER 17

Cancer Stem Cell – Translational Applications

Dean G. Tang, Roswell Park Cancer Institute, USA
Molecular Understanding and Therapeutic Targeting of Prostate Cancer Stem Cells

Anna Dubrovskaya, University Hospital Carl Gustav Carus, Germany
Cancer Stem Cells as Biomarkers for Radiotherapy Outcome and Targets for Combined Treatments

Clemens A. Schmitt, Max Delbrück Center for Molecular Medicine, Germany
Senescence-Associated Stemness as a Mechanism of Treatment Failure in Cancer

Jos J. Melenhorst, University of Pennsylvania, USA
Remission and Relapse in Chimeric Antigen Receptor-Reprogrammed T-Cell Therapies

Short Talks Chosen from Abstracts

Cancer Stem Cell - Clinical Translation

Justin D. Lathia, Cleveland Clinic, USA
Targeting Cancer Stem Cell-Immune Cell Interactions in Glioblastoma

Wolf Ruprecht Wiedemeyer, Abbvie, USA
Characterization and Targeting of Distinct Subpopulations Driving Tumor Progression and Drug Resistance in Advanced Solid Tumors

Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Cancer Stem Cells: Advances in Biology and Clinical Translation (T2)

October 13-17, 2019 • Lee Shau Kee Lecture Centre, Centennial Campus, The University of Hong Kong • Pok Fu Lam, Hong Kong

Scientific Organizers: Irene Oi Lin Ng, Xin Wei Wang and Dean G. Tang

Organized in collaboration with the Croucher Foundation and The University of Hong Kong

Travel Award Deadline: July 9, 2019 / Discounted Abstract & Scholarship Deadline: July 9, 2019 / Abstract Deadline: August 14, 2019 / Discounted Registration Deadline: August 14, 2019

FRIDAY, OCTOBER 18

Departure