

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Cancer Stem Cells: Advances in Biology and Clinical Translation - RESCHEDULING IN PROGRESS (F5)

May 18-21, 2021 • Herrenhausen Palace • Hannover, Germany

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

Organized in collaboration with Volkswagen Foundation

Scholarship Deadline: January 28, 2021 / Abstract Deadline: February 18, 2021 / Discounted Registration Deadline: March 18, 2021

TUESDAY, MAY 18

Arrival and Registration

WEDNESDAY, MAY 19

Stem Cells and Cancer

Duanqing Pei[†], Guangzhou Institutes of Biomedicine and Health, China

Chemical Induction of Pluripotency

Markus Grompe, Oregon Health & Science University, USA

The Role of Polyploid Hepatocytes during Liver Regeneration and Cancer

Lola McAdams Reid, University of North Carolina at Chapel Hill, USA

Patch Grafting of Endodermal Stem/Progenitor Organoids Enable Hepatic and Pancreatic Cell Therapies

Short Talks Chosen from Abstracts

Cancer Stem Cells, Tumor Microenvironment and Immunity

Jos J. Melenhorst, University of Pennsylvania, USA

Remission and Relapse in Chimeric Antigen Receptor Reprogrammed T Cell Therapies

Calvin Kuo, Stanford University, USA

Organoid Modeling of the Tumor Microenvironment

Justin D. Lathia, Cleveland Clinic, USA

Targeting Cancer Stem Cell Immune Cell Interactions in Glioblastoma

Erwei Song, Sun-Yat-Sen Memorial Hospital, China

Tumor Microenvironment and Cancer Stem Cells

Short Talks Chosen from Abstracts

Poster Session 1

THURSDAY, MAY 20

Cancer Stem Cells and Cancer 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

Richard White, Memorial Sloan Kettering Cancer Center, USA

Cell-Cell Interactions as Drivers of Metastasis: Insights from Zebrafish Models of Melanoma

Stephanie K.Y. Ma, University of Hong Kong, Hong Kong

Non-Cellular Components of the Tumor Microenvironment in Maintenance of Liver Cancer Stemness

Short Talks Chosen from Abstracts

Cancer Stem Cells and Cancer Biology

Michael M. Shen, Columbia University, USA

Neuroendocrine Differentiation in Prostate Development and Cancer

Irene Oi Lin Ng, University of Hong Kong, Hong Kong

Liver Cancer Stemness

Lijian Hui, Shanghai Institutes of Biological Sciences, China

Talk Title to be Announced

Klaus H. Kaestner, University of Pennsylvania School of Medicine, USA

Genetic Screens for Drivers and Modifiers of Liver Cancer

Short Talks Chosen from Abstracts

Poster Session 2

FRIDAY, MAY 21

Cancer Stem Cells: Modeling and Regulation

Clemens A. Schmitt, Max Delbrück Center for Molecular Medicine, Germany

Senescence Associated Stemness as a Mechanism of Treatment Failure in Cancer

Wei Guo, University of Pennsylvania, USA

Tumor-Derived Exosomes in Immune Suppression

Carmen Chak-Lui Wong, University of Hong Kong, Hong Kong

Hypoxia, Cancer and Cancer Stemness

Junfang Ji, Zhejiang University, China

miRNAs and Hepatic Cancer Stem Cells

Short Talks Chosen from Abstracts

Cancer Stem Cells: Clinical Translation

Dean G. Tang, Roswell Park Cancer Institute, USA

Molecular Understanding and Therapeutic Targeting of Prostate Cancer Cell Heterogeneity

Anna Dubrovskaja[†], University Hospital Carl Gustav Carus, Germany

Cancer Stem Cells as Biomarkers for Radiotherapy Outcome and Targets for Combined Treatments

Chunzhang Yang, NCI, National Institutes of Health, USA

IDH1 Mutation Predisposes Distinctive Therapeutic Vulnerabilities in Glioma Stem Cells

Wolf Ruprecht Wiedemeyer[†], AbbVie, Inc., USA

Characterization and Targeting of Distinct Subpopulations Driving Tumor Progression and Drug Resistance in Advanced Solid Tumors

Short Talks Chosen from Abstracts

Closing Keynote Address

Irving L. Weissman, Stanford University, USA

Normal and Neoplastic Stem Cells

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

SATURDAY, MAY 22

Departure