SUNDAY, MARCH 21
Arrival and Registration

MONDAY, MARCH 22
Welcome and Keynote Session (Joint)
Helen H. Hobbs, University of Texas Southwestern Medical Center, USA
PNPLA3’s Role in NAFLD
Hashem B. El-Serag, Baylor College of Medicine, USA
Changing Epidemiological Trends in Non-Alcoholic Fatty Liver Disease versus Viral-Associated Hepatobiliary Cancers
Non-Alcoholic Fatty Liver Disease, Liver Inflammation and Fibrogenesis in the Pathogenesis of Hepatobiliary Cancers (Joint)
Lopa Mishra, George Washington University, USA
TGF-beta Signaling in Liver Fibrosis and Hepatocellular Carcinoma
Speaker to be Announced
Short Talks Chosen from Abstracts
Genetics of NAFLD (X5)
Elizabeth K. Speliotes, University of Michigan, USA
Use of GWAS to Identify SNPs Associated with NAFLD
Hannele Yki-Järvinen, University of Helsinki, Finland
Effects of Genetic Risk Factors for NAFLD on Hepatic Lipid Metabolism
Noura S. Abul-Husn, Icahn School of Medicine at Mount Sinai, USA
HSD17B13 and Protection from Liver Disease in Diverse Patient Populations
Short Talks Chosen from Abstracts
The Role of the Microbiome in Hepatobiliary Cancers (X6)
Maria Rescigno, Humanitas University, Italy
The Gut-Liver Axis in Liver Cancer Risk Conditions
Yining Lu, Tsinghua University, China
China’s Innovative Practice on Precision Immunotherapy of Hepatobiliary Carcinoma: From Outcome Prediction to New Therapeutic Approaches
Speaker to be Announced
Short Talks Chosen from Abstracts
Poster Session 1

TUESDAY, MARCH 23
Role of Lipids in NAFLD (X5)
Mitchell A. Lazar, Perelman School of Medicine, University of Pennsylvania, USA
Circadian Contributions to NAFLD
Daniel A. Heller, Memorial Sloan Kettering Cancer Center, USA
Lipid Dysregulation in Inflammation, NASH, and Cancer
Catherine Postic, INSERM, Institut Cochin, France
Altered Insulin Signaling and Glucose Toxicity in NAFLD
Tobias C. Walther, Harvard School of Public Health, USA
Lipid Droplet Biology in NAFLD
Short Talks Chosen from Abstracts
Tumor Microenvironment and Hepatobiliary Cancers (X6)
Silvia Affo, Columbia University, USA
The Role of Cancer-Associated Fibroblasts in the Pathogenesis of Hepatobiliary Cancers
Amaia Lujambio, Icahn School of Medicine at Mount Sinai, USA
Mechanisms of Immune Escape in Hepatocellular Carcinoma
Alphonse E. Sirica, Virginia Commonwealth University, USA
The Desmoplastic Reaction in Intrahepatic Cholangiocarcinoma: Molecular Drivers and Prognostic Implications
Gregory J. Gores, Mayo Clinic, USA
Targeting the Tumor Microenvironment for Cholangiocarcinoma Therapy
Short Talks Chosen from Abstracts
NAFLD and CVD (X5)
Speaker to be Announced
Jay D. Horton, University of Texas Southwestern Medical Center, USA
Molecular Mediators of NAFLD and Hyperlipidemia
Henry N. Ginsberg, Columbia University College of Physicians and Surgeons, USA
Loss of Function of TorsinA, an ER Localized AAA ATPase Causes Severe Steatosis with Decreased VLDL Secretion and Abnormal ER Lipid Droplets
Short Talks Chosen from Abstracts
Hepatobiliary Cancer Biomarkers (X6)
Yujin Hoshida, UT Southwestern Medical Center, USA
Liver Cancer Risk-Predictive Molecular Biomarkers Specific to Clinico-Epidemiological Contexts
Irene Oi Lin Ng, University of Hong Kong, Hong Kong
Molecular Biomarkers in Hepatocellular Carcinoma
**KEYSTONE SYMPOSIA**
on Molecular and Cellular Biology

**Fatty Liver Disease and Multi-System Complications (X5)**
Scientific Organizers: Jay D. Horton, Morris J. Birnbaum and Hannele Yki-Järvinen
Supported by the Directors' Fund

**Hepatobiliary Cancers: Pathobiology and Translational Advances (X6)**
Scientific Organizers: Alphonse E. Sirica, Gregory J. Gores and Lopa Mishra
March 21-24, 2021 • Fairmont Hotel Vancouver • Vancouver, BC, Canada
Supported by the Directors' Fund

**Scholarship Deadline: December 9, 2020 / Abstract Deadline: January 5, 2021 / Discounted Registration Deadline: January 20, 2021**

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**Augusto Villanueva Rodriguez**, Icahn School of Medicine at Mount Sinai, USA
*Liquid Biopsy in Hepatobiliary Cancers*

**Short Talks Chosen from Abstracts**

**Poster Session 2**

**WEDNESDAY, MARCH 24**

**Pathways to NASH (X5)**

Speaker to be Announced

**Mark A. McNiven**, Mayo Clinic, USA
*Lipid Droplet Formation and Lipophagy in Fatty Liver Disease*

**Eran Elinav**, Weizmann Institute of Science, Israel
*Lipid-Associated Macrophages Control Metabolic Homeostasis*

**Speaker to be Announced**

**Short Talks Chosen from Abstracts**

**Genomic and Epigenomic Heterogeneity in Hepatobiliary Cancers (X6)**

**Xin Wei Wang**, NCI, National Institutes of Health, USA
*Causes and Functional Intricacies of Intertumor and Intratumor Heterogeneity in Primary Hepatobiliary Cancers*

**Jessica Zucman-Rossi**, University Paris Descartes-HEGP, France
*Molecular Subtypes of Hepatocellular Carcinoma are Related to Specific Tumor Phenotypes*

**Renumathy Dhanasekaran**, Stanford University, USA
*Complexities of Genetic Heterogeneity in Hepatocellular Carcinoma*

**Bin Tean Teh**, Duke-NUS Medical School, Singapore
*Cholangiocarcinoma in Diverse Populations*

**Short Talks Chosen from Abstracts**

**Emerging Therapies for NASH-I (X5)**

**Morris J. Birnbaum**, Pfizer Inc., USA
*DGAT2 Inhibition for NASH*

**Speaker to be Announced**

**Short Talks Chosen from Abstracts**

**"Omics" for Precision Medicine of Hepatobiliary Cancers (X6)**

**Josep Llovet**, Icahn School of Medicine at Mount Sinai, USA
*Integrative "Omics" and Precision Medicine for Hepatocellular Carcinoma*

**Jesper Bøje Andersen**, University of Copenhagen, Denmark
*Defining Distinct Subtypes of Intrahepatic Cholangiocarcinoma by Molecular Profiling: Diagnostic, Prognostic, and Therapeutic Applications*

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* Session Chair † Invited but not yet accepted

Program current as of March 28, 2020. Program subject to change. Meal formats are based on meeting venue.
For the most up-to-date details, visit https://www.keystonesymposia.org.