

**肝病学分会 Hepatology Division**

**(北美华人肝病研究会 CALS)**

**CALS Annual Symposium**

**August 6-10, 2023, Banff Moose Hotel & Suites, Canada**

**Organelle Stress, Lipid Metabolism and Cell-Cell Cross Talk in Liver Disease**

**Program**

**8/6/2023-Sunday**

**2:00 PM Registration, social interactions, and reception.**

**7:00 PM Dinner**

**Welcome: Introduction (Wen-Xing Ding, Yanqiao Zhang) (5 min)**

9:00-9:30 PM: Keynote: Xin Wei Wang (NCI) (Introduction by Xiao-Ming Yin)

**Complex molecular landscapes of liver cancer**

9:35-10:05 PM: *Yingzi Yang (Harvard Dental School) (Introduction by Bin Gao)*

**United and independent, a tale of Hippo and YAP in liver growth and cancer**

**8/7/2023-Monday**

7:00-8:30 AM Continental Breakfast

**Session 1: NAFLD/NASH (Moderators: Wang Hua & Charlie Dong)**

1. 8:30-8:50 AM: Ouyang Xinshou (Yale University)

**RNA methylation regulates inflammation in obesity**

1. 8:50-9:10 AM: Yanqiao Zhang (East Ohio Medical University)

**ATF3 in NAFLD**

3. 9:10-9:30 AM: Lisa Zhang (University of Kansas Medical Center)

**Understanding macrophage-specific EGR1 in NAFLD**

4. 9:30-9:50 AM: Wanqing Liu (Wayne State)

**A precision therapeutics for NAFLD**

**Break-10 min Group Picture**

5. 10:00-10:20 AM: Hong-Min Ni (University of Kansas Medical Center)

**New player regulating lipid metabolism in NAFLD**

6. 10:20-10:40 AM: Tiangang Li (Oklahoma University)

**Cullin RING E3 ligase regulation of liver metabolism**

7. 10:40-11:00 AM: Charlie Dong (Indiana University)

**Atg14 regulates hepatic lipid droplets and cell survival**

8. 11:00-11:20 AM: Chunying Du (University of Cincinnati)

**Elucidating role of BRUCE in lipid metabolism and NASH.**

9. 11:20-11:40 AM: Shaolei Lu (Brown University)

**Histopathological features of NASH and HCC**

11:40 AM: Free time (Lunch on your own)

2:00 PM-4:00 PM: Social discussion

**Session 2: Liver Injury (Moderators: Grace Guo & Aiming Yu)**

6:00-7:30 PM: dinner

1. 7:30-7:50PM Wen Xie (University of Pittsburgh)

***Tyrosine Sulfation Controlled Protein Homeostasis in Diseases***

1. 7:50-8:10 PM: Hongbin Wang (University of Maryland)

***Dexamethasone protects against remdesivir-induced liver toxicity in COVID-19 treatment***

1. 8:10-8:30PM: Ruitang Deng (University of Rhode Island)

**Ubiquitin Specific Peptidase 2 in the Pathogenesis of Hepatocellular Carcinoma**

1. 8:30-8:50PM: Wenke Feng (Tulane University)

***Gut bacterial regulation of bile acid homeostasis in liver diseases***

Break 10 min

1. 9: 00-9:20PM: Qingze Zou (Rutgers University)

***Mapping of Dynamic Mechanical Evolutions of liver Cells Using Scanning Probe Microscope***

1. 9:20-9:40PM: Huiping Zhou (Virginia Commonwealth University)

***Bile acid-mediated Signaling in Cholestatic Liver Injury***

1. 9:40-10:00PM: Wang Hua (Anhui Medical University)

**MAIT cells in liver injury and cancer**

**8/8/2023-Tuesday**

7:00-8:30 AM Continental Breakfast

**Session 3: Liver Cancer (Moderators: Xin Wei Wang & Lisa Zhang)**

1. 8:30-8:50 AM: Gen-Sheng Feng (University of California at San Diego)

**CD133+ intercellsomes in liver regeneration and cancer**

1. 8:50-9:10 AM: Guisheng Song (University of Minnesota)

**MicroRNA-based immunotherapy of liver cancer**

1. 9:10-9:30 AM: Wei Qiu (Loyola University)

**Exploring the Mechanisms of Drug Resistance in Treating Hepatocellular Carcinoma**

4. 9:30-9:50 AM: Baoan Ji (Mayo Clinic)

**Novel genetic mouse models of extra- and intra-hepatic cholangiocarcinomas**

Break 10 min

5. 10:00-10:20 AM: Ningling Kang (Hormel Institute, University of Minnesota)

***Targeting Hepatic Stellate Cell PD-L1 to Inhibit Tumor Microenvironment and CCA***

6. 10:20-10:40 Aiming Yu (University of California at Davis)

**RNA therapeutics to improve hepatocellular carcinoma treatment**

7. 10:40-11:00 Dongfang Liu (Rutgers University)

**CD147-CAR-NK for liver cancer treatment**

8. 11:00-11:20 Steven Zheng (Rutgers University)

**Liver Cancer Suppression by Nuclear Paraspeckles-Mediated Mechanism**

9. 11:20-11:40 Mengwei Zang (University of Texas at San Antonio)

**The etiology, epidemiology, and prevention of HCC.**

11:40 AM: Free time (Lunch on your own)

2:00 PM-4:00 PM: Social discussion

**Session 4: Viral Hepatitis & Inflammation & Alcohol Associated Liver Disease (Moderators: Haitao Guo & Cynthia Ju)**

6:00-7:30 PM dinner

1. 7:30-7:50PM: Haitao Guo (University of Pittsburgh)

**Epigenic regulation of hepatitis B virus cccDNA transcription**

1. 7:50-8:10 PM: Jianming Hu (Penn State)

**Hepatitis B virus empty virions: from basic virology to biomarker discovery**

1. 8:10-8:30 PM: Lishan Su (University of Maryland)

**The pDC-IFN-macrophage axis in HIV-associated liver disease**

1. 8:30-8:50 PM: Cynthia Ju (UT Houston Health System)

**Role of eosinophils in acute liver injury**

Break 10 min

1. 9:00-9:20 PM: Zhihong Yang (Indiana University)

**Dysregulation of alternative splicing in alcohol associated liver disease is contributed by LncRNA H19 and PTBP1**

1. 9:20-9:40 PM: Gordon Jiang (Harvard Medical School)

**Alcohol consumption and ketone bodies in elderly**

1. 9:40-10:00 PM: Dechun Feng (NIAAA)

**Multiplex immunostaining analysis of alcoholic hepatitis**

8/9/2023 Wednesday

7:00-8:30 AM Continental Breakfast

**Session 5: CADA (Moderators: Wendong & Sheng Wu)**

1. 8:30-8:50 AM: Dongyin Guan (Baylor College of Medicine)

**Understanding liver functions and diseases by RNAseq**

1. 8:50-9:10 AM: Wendong Huang (City of Hope)

**Bile acids are key signals to mediate the metabolic effects of bariatric surgery**

1. 9:10-9:30: AM: Xiaojing Liu (North Carolina State University)

**Utilizing high resolution mass spectrometry-assisted omics and stable isotope tracing approaches to understand metabolic homeostasis**

1. 9:30-9:50 AM: Wei-Xing Zong (Rutgers University)

**Nitrogen metabolism in liver cancer**

**Break 10 min**

1. 10:00-10:20 AM: Tianru Jin (University of Toronto)

**“Hepatic function of GLP-1 agonists-Involvement of the liver hormone FGF21**

1. 10:20-10:40 AM: Sheng Wu (Temple University)

**Dihydrotestostrone regulates liver function and TG in female mice**

1. 10:40-11:00 AM: Eugene Chen (University of Michigan)

**DT-109 ameliorate NASH in nonhuman primates**

1. 11:00-11:20 AM: Ling Yang (Temple University)

**A novel NEDD4L-TXNIP-CHOP axis in the pathogenesis of NASH**

1. 11:20-11:40 AM: Qing Yang (University of California at Irvine)

**Liver zonation in aging and insulin resistance**

1. 11:40-12:00 AM: Victor Shengkan Jin (Rutgers University)

**Modulating mitochondrial functions for treating NASH and cancer**

12:00 Free time (Lunch on your own)

2:00 PM-4:00 PM: Social discussion

6:00-7:30 PM dinner

**Session 6: Organelle stress, cell-cell cross talk (Moderators: Wei-Xing Zong & Chunyin Du)**

1. 7:30-7:50 PM; Kezhong Zhang (Wayne State University)

**Integrated ER and Mitochondrial Stress Responses in Energy Metabolism and Liver Disease**

1. 7:50-8:10 PM: Ling Yang (University of Iowa)

**Hepatic IRE1 Protects Against Septic Cardiac Failure**

1. 8:10-8:30 PM: Wen-Xing Ding (University of Kansas Medical Center)

**Mitochondria-lysosome related organelle in hepatocyte dedifferentiation**

1. 8:30-8:50 PM: Xiao-Ming Yin (Tulane University)

**One molecule for all, cell death, cell proliferation and cell metabolism**

Break

1. 9: 00-9:20 PM: Chaodong Wu (Texas A&M)

**Regulation and Pathological Role of STING in NAFLD**

1. 9: 20-9:30 PM: Peijian He (Emory University)

**Molecular basis of ferroptosis in NAFLD**

1. 9:30-10:00 PM: Grace Guo (Rutgers University)

**Gut-liver Crosstalk by the Bile acids, FXR and FGF15 Pathway**

**8/10/2023 Thursday**

7:00-8:30 AM Continental Breakfast

**9:00-9:30 AM** (Introduction: Wen-Xing Ding)

**Keynote speaker: Bin Gao (NIAAA)**

**Myeloid cells in liver injury, repair, and cancer**

**Summary: Yanqiao Zhang**

**Lunch on your own, social discussion and Departure**

**Symposium Organizing Committee:** Wen-Xing Ding, Bingning Dong, Charlie Dong, Grace Guo, Cynthia Ju, Tiangang Li, Lisa Zhang, Yanqiao Zhang

**Sponsor: eGastroenterology; Dr. Phillip B Hylemon, VCU**

