



# PLRC ANNUAL RETREAT 2023

**Tuesday, October 17, 2023**  
**UNIVERSITY CLUB, BALLROOM B**



- **9:30 am:** Continental Breakfast: Onsite Registration/badge pick up.  
(pre-register at: [REGISTRATION LINK](#))
- **10:00 am:** Welcome **Dr. Paul Monga** (Director) and **Dr. Kari Nejak-Bowen** (Enrichment Director)
- **10:10-10:45 am:** **Pilot & Feasibility overview and presentations (Dr. Paul Monga)**  
2023-P&F Grant Awardee Presentations:
  - **10:15-10:30 am - Dr. Rodrigo Florentino:** *Understanding Mechanisms of Progressive Familial Intrahepatic Cholestasis Type 1 (PFIC1) Using Patient- Specific Inducible Pluripotent Stem Cells*
  - **10:30-10:45 am - Dr. Chris Chiu:** *Deep learning-based prediction of drug repurposing and genetic vulnerabilities in hepatocellular carcinoma*
- **10:45-11:45 am - PLRC Core Updates**
  - **10:45-11:00 am – Dr. Alan Watson:** Advanced Cell and Tissue Imaging Core
  - **11:00-11:15 am – Dr. Aatur Singhi:** Clinical Biospecimen Repository and Processing Core
  - **11:15-11:30 am – Dr. Silvia Liu:** Genomics and Systems Biology Core
  - **11:30-11:45 am – Dr. Alex Soto-Gutierrez:** Human Synthetic Liver Biology Core
- **11:45-12:00 pm:** Collect Buffet Lunch in the **GOLD ROOM**
- **12:00-1:00 pm:** **Keynote Presentation** **Dr. Rebecca Wells** from the University of Pennsylvania  
““The impact of lipids and cholesterol on hepatocyte and liver mechanics: new mechanisms for MASLD?” (Moderator: **Dr. Kari Nejak-Bowen**)
- **1:00-1:10 pm:** Break
- **1:10-2:00 pm:** **Efforts to Translate and Commercialize at PLI**
  - **1:10-1:20 pm:** Panel Discussion on combined vision for translational and commercialization pipeline initiative. **Dr. Paul Monga, Dr. Naudia Jonassaint**
  - **1:20-1:35 pm:** Clinical Trials Development and Operations. Developing infrastructure for promoting clinical trials in liver space. **Dr. Pat Corby**
  - **1:35-1:50 pm:** Commercialization of Your Discovery with the Office of Innovation and Entrepreneurship. **Dr. Evan Facher**
  - **1:50-2:00 pm:** Clinical Trials in Hepatology: Current state and aspirations. **Dr. Jaideep Behari**
- **2:00-2:30 pm:** **PLRC/PLI FEATURES: Showcasing unique human-based systems to study liver diseases.**
  - **2:00-2:05 pm-** **Dr. Amanda Clark:** Liver on a Chip for Metastasis
  - **2:05-2:10 pm-** **Dr. Mo Ebrahimkhani:** hiPSC based organoids
  - **2:10-2:15 pm-** **Dr. Lans Taylor:** Human microphysiological systems for studying liver disease
  - **2:15-2:20 pm-** **Dr. Alex Soto-Gutierrez:** hiPSC, mini-liver, inducible gene-editing systems
  - **2:20-2:25 pm-** **Dr. Haitao Guo:** Cell culture models to study HBV
  - **2:25-2:30 pm-** **Dr. Andrew Duncan:** Humanized Mice

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- **2:30-3:00 pm: PLRC/PLI FEATURES: Showcasing unique animal models of human diseases for SRAs.**
  - 2:30-2:35 pm- Dr. Paul Monga: Hepatocellular cancer models
  - 2:35-2:40 pm- Dr. Ed Prochownik: Hepatoblastoma models
  - 2:40-2:45 pm- Dr. Sungjin Ko: Cholangiocarcinoma models
  - 2:45-2:50 pm- Dr. Juliane Beier: Environmental Toxicant + MASLD/HCC
  - 2:50-2:55 pm- Dr. Kari Nejak-Bowen: Alagille, BA, PSC
  - 2:55-3:00 pm- Dr. Donghun Shin: Hepatobiliary repair in Zebrafish
- **3:05-3:15 pm: Break**
- **3:15-3:35 pm: PLRC/PLI FEATURES: Showcasing Translational Opportunities for the Clinic.**
  - 3:15-3:20 pm- Dr. Henry Dong: Pharmacologic inhibition of FOX-O1: Treating Type-2 Diabetes
  - 3:20-3:25 pm- Dr. Bharat Bhushan: EGFR Inhibition in MASLD and DILI
  - 3:25-3:30 pm- Dr. Francisco Schopfer: Lipid Mediators as Therapeutic Agents for Metabolic Disease
  - 3:30-3:35 pm- Dr. Eric Lagasse: Ectopic Hepatocyte Transplantation Therapy
- **3:40-4:00 pm: PLRC/PLI FEATURES: Use of Computational & AI Based Systems.**
  - 3:40-3:45 pm- Dr. Chris Chiu: *In silico* drug discovery for liver cancer
  - 3:45-3:50 pm- Dr. Dooman Arefan: Radiomics application in HCC molecular characterization
  - 3:50-3:55 pm- Dr. Riyue Bao: Image-based AI for liver cancer
  - 3:55-4:00 pm- Dr. Silvia Liu: Spatial Transcriptomics Pipeline
- **4:05-4:20 pm: PLRC/PLI FEATURES: Unique Services for Local and Outside Collaborations.**
  - 4:05-4:10 pm- Dr. Aatur Singhi: Multispectral Imaging
  - 4:10-4:15 pm- Dr. Michael Jurczak: *in vivo* and *ex vivo* hepatocyte mitochondrial metabolism
  - 4:15-4:20 pm- Dr. Matt Steinhauser: Imaging Mass Spec Platform
- **4:25-4:35 pm: Clinical Trials in Liver Tumors: Current State and Opportunities, Dr. Anwaar Saeed**
- **4:45-5:15 pm: Drinks and Hors d'oeuvres**
- **5:15-6:30 pm: Poster Session with Drinks & Hors d'oeuvres.**