

DDRCC Symposium and Directors' Meeting
February 20-21, 2020
Advances in the Cell and Molecular Biology of the Liver

Day 1

0715-0800 Breakfast buffet

0800 Welcome and Introduction (J. Maher)

Session I **Cell biology of the liver: Scaling up** (H. Willenbring, UCSF, moderator)

0810-0835 Optimizing iPSC differentiation: from "hepatocyte-like" to hepatocyte (R. Schwartz, Cornell)

0835-0900 Liver organoids for disease modeling (T. Takebe, Cincinnati Children's Hospital)

0900-0925 Bioprinting a liver (K. Stevens, U of Washington)

0925-0950 Recellularizing human liver scaffolds (A. Soto-Gutierrez, U of Pittsburgh)

0950-1015 Humanizing livers: the large animal experience (J. Lillegard, Mayo Clinic)

1015-1045 Break

Session II **DDRCC Program Workshop: P & F Awards Program** (N. Davidson, Wash U, moderator)

1045-1100 Results of DDRCC Directors' survey regarding Pilot & Feasibility Awards (J. Maher)

1100-1115 Panel discussion (suggesting F. Cominelli, H. El-Serag, G. Wu, W. Lencer)

1115-1145 Results of P&F Awardee survey regarding perceptions of awards (TBN)

1135-1155 Panel discussion (3-4 past awardees TBN)

1200-1300 Lunch

Session III **Junior investigator poster session** (DDRCC directors attend/review)

1300-1400 Even number poster presenters

1400-1500 Odd number poster presenters

Session IV **Keynote lecture** (H. Rosen, USC, moderator)

1500-1600 S. MacParland (U of Toronto)

Single-cell RNA sequencing of normal and diseased human liver

Session V **DDRCC Directors' Business meeting** (free time for junior investigators)

1600-1730 Report from NIDDK (S. James, P. Perrin)

Suggestions from the floor (TBD)

1800-2000 Reception and dinner for DDRCC leaders/admins, NIDDK and junior investigators

Day 2

0715-0800 Breakfast buffet

0800-1045 Administrators' Meeting

Session VI **Molecular biology of the liver: Drilling down** (J. Bezerra, CCMC, moderator)

0800-0825 Immunoprofiling of liver using CyTOF (S. Krams, Stanford)

0825-0850 High-capacity genetic screening in mouse liver (K. Wangenstein, U Penn)

0850-0915 Long noncoding RNAs regulating liver fibrosis (A. Mullen, MGH)

0915-0945 break

0945-1010 AAV gene therapy: vector engineering for maximum effect (N. Paulk, UCSF)

1010-1035 Generating somatic liver knockouts by CRISPR gene editing (D. Bissig, Duke U)

1035-1045 Recap and adjourn

1100-1200 Departure; box lunches available for pickup