**DDRCC Directors’ Meeting and Symposium**  
**February 20-21, 2020**  
**Marriott Union Square, San Francisco**  
**Wi-Fi: Marriott_Conference, Passcode: UCSF**

**Advances in the Cell and Molecular Biology of the Liver**

**Day 1**

**0715-0800**  
*Breakfast buffet, Union Square Ballroom Pre-function, 2nd floor*

**0800**  
*Welcome and Introduction* (J. Maher, UCSF)

**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)

- **1045-1110**  
  P&F survey results from (a) DDRCC leaders and (b) past P&F awardees (J. Maher)

- **1110-1130**  
  Awardee panel discussion (V. Abadie, M. Philip, J. Sanchez Gurmaches, N. Snider)

- **1135-1155**  
  DDRCC Directors’ panel discussion (F. Cominelli, W. Lencer, R. Sandler, G. Wu)

**1200-1300**  
*Lunch, Restaurant, 1st floor*

**Session III**  
**Junior investigator poster session** (DDRCC directors attend/review) Sutter II & III, 2nd floor

- **1300-1400**  
  Even number poster presenters

- **1400-1500**  
  Odd number poster presenters

**Session IV**  
**Keynote lecture** (H. Rosen, USC, moderator) Union Square Ballroom, 2nd floor

- **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 and guests)

- **1600-1730**  
  NIDDK Director’s address (Griffin Rodgers)
  NIDDK and P30 program update (S. James, P. Perrin)
  DDRCC P&F program debrief (Maher/Davidson)
  New business (DDRCC Directors and Administrators)

**1830-2100**  
*Reception and dinner for DDRCC leaders/admins, NIDDK and junior investigators*  
*Savoy Suite, 30th floor (reception 1830-1900; dinner 1900)*
# Advances in the Cell and Molecular Biology of the Liver

**Day 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>0715-0800</td>
<td>Breakfast buffet, Union Square Ballroom Pre-function, 2nd floor</td>
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<tr>
<td>0800-1045</td>
<td>Administrators’ Meeting, Sutter I, 2nd floor</td>
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<tr>
<td><strong>Session VI</strong></td>
<td>Molecular biology of the liver: Drilling down (Rebecca Wells, U Penn, moderator)</td>
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<tr>
<td>0800-0825</td>
<td>Immunoprofiling of liver using CyTOF (S. Krams, Stanford)</td>
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<tr>
<td>0825-0850</td>
<td>High-capacity genetic screening in mouse liver (K. Wangensteen, U Penn)</td>
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<td>0850-0915</td>
<td>Long noncoding RNAs regulating liver fibrosis (A. Mullen, MGH)</td>
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<td>0915-0945</td>
<td>Break</td>
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<tr>
<td>0945-1010</td>
<td>AAV gene therapy: vector engineering for maximum effect (N. Paulk, UCSF)</td>
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<tr>
<td>1010-1035</td>
<td>Generating somatic liver knockouts by CRISPR gene editing (D. Bissig, Duke U)</td>
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<tr>
<td>1035-1045</td>
<td>Recap and adjourn</td>
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<tr>
<td>1100-1200</td>
<td>Departure; box lunches available for pickup, Union Square Ballroom Pre-function, 2nd floor</td>
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<tr>
<td>11:30</td>
<td>Airport shuttle departs for SFO</td>
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