



Alcohol and Immunology Research Interest Group (AIRIG) Meeting
Friday, December 8, 2023
Krugman Conference Hall, Research 2, 12700 East 19th Ave
University of Colorado Anschutz Medical Campus, Aurora, Colorado

THURSDAY, DECEMBER 7TH

6:00-8:00 pm **AIRIG Pre-meeting Mixer, Sponsored by CoPARC at Stanley Marketplace, Denver, CO**

FRIDAY, DECEMBER 8TH

8:00 - 8:35 am **Continental Breakfast (Krugman Conference Hall, Research 2), Poster Setup (Krugman Hallway), and Loading Talks from Flash Drives**

8:35 - 8:45 am **Welcome and Opening Remarks**
Elizabeth J. Kovacs, PhD, University of Colorado Denver, Anschutz Medical Campus; Mashkoor A. Choudhry, PhD, Loyola University Chicago; Richard Schulick, MD, MBA, University of Colorado Denver

SESSION 1: ALCOHOL AND INFLAMMATION

Chairs: Sulie Chang, PhD Seton Hall University, South Orange, NJ and Lohitha Basa, Vanderbilt University, Nashville, TN

8:45 - 9:10 am Mengfei Liu, MD, Yale University, New Haven, CT
Single cell analysis of immune cell profiling in alcohol-induced liver inflammation

9:10 - 9:35 am Esther Melamed, MD, PhD, University of Texas Austin, Austin, TX
Raising a Glass to Microbiota: The interplay between moderate alcohol, sex, autoimmunity and the gut-CNS axis

9:35 – 9:47 am Shannon Twardy, MS, University of Colorado Denver, Anschutz Medical Campus, Aurora, CO
Investigating the role of the C5 complosome in Kupffer Cell inflammasome activation in Alcohol Associated Liver Disease

9:47 – 9:59 am Jamie L. Sturgill, PhD, University of Kentucky, Lexington, KY
Ceramide as a novel link between alcohol use disorder and pulmonary inflammation

9:59 – 10:11 am Lisa A. Brenner, PhD, Rocky Mountain MIRECC, Aurora, CO
Alcohol Misuse and Inflammation Among those Seeking Care in the Emergency Department for Acute Mild Traumatic Brain Injury

10:11 – 10:45 am **Bio-Break and Networking**

SESSION 2: ALCOHOL, SIGNALING, AND ORGAN INJURY

Chairs: Todd Wyatt, PhD, University of Nebraska and Tabitha Haun, University of Texas, Arlington, TX

10:45 - 11:10 am Josiah Hardesty, PhD, University of Louisville,
The anti-inflammatory and pro-regenerative roles of RvD1 in an experimental model of alcohol-associated hepatitis

11:10 - 11:22 am Steven A. Weinman, PhD, University of Kansas Medical Center, Kansas City, KS
Alcohol Suppresses Kupffer Cell Maturation in a Mouse Model of High Fat Diet and Alcohol-Induced Steatohepatitis

11:22 - 11:34 pm Madison M. Tschann, Loyola University Chicago, Maywood, IL

Ethanol induced changes of miRNA expression in colonic epithelial cells in a mouse model of colitis

- 11:34 - 11:46 pm** Jared B. Travers, MD, Cleveland Clinic, Cleveland, OH
Hepatic stellate cell-intrinsic role for IRF3 in TGFβ-induced fibrogenesis
- 11:46 - 11:58 pm** Emir Malovic, University of Illinois, Chicago, Chicago, IL
Transcriptomics reveals activation of the interferon pathway across multiple brain regions in the chronic ethanol model of alcohol use disorder
- 11:58 – 1:30 pm** **Lunch Mentoring Sessions/Workshops (Krugman Conference Hall)**
- 1:30 – 3:10 pm** **Poster Viewing (Krugman Hallway** - Presenters with even poster numbers please present from 1:30-2:05 pm, those with odd numbers from 2:05-3:10 pm)
- SESSION 3: ALCOHOL AND HOST IMMUNITY**
Chairs: Ellen Burnham, MD, University of Colorado and Anthony Santilli, Lerner Research Institute, Cleveland, OH
- 3:10 - 3:35 pm** David A. Welsh, MD, Louisiana State University, New Orleans, LA
Microbiota-host interactions in alcohol-associated pneumonia
- 3:35 - 4:00 pm** Natalie Chichetto, PhD, MSW, University of Florida,
The interplay between alcohol use and HIV on the gut microbiome
- 4:00 - 4:12 pm** Kathryn M. Crotty, Emory University, Atlanta, GA
Pioglitazone Reverses Alcohol-Induced Alterations in Alveolar Macrophage Mitochondrial Phenotype
- 4:12 – 4:24 pm** Bryan Mackowiak, PhD, NIAAA, Bethesda, MD
Albumin alters liver immune cell populations and protects against ethanol-induced liver injury
- 4:24 – 4:40 pm** Li Lin, PhD, NIAAA, Bethesda, MD
A conversation on alcohol-immune research and training
- 4:40 - 5:00 pm** **Discussion and Closing Comments**
(Drs. Kovacs, Choudhry, McCullough, McMahan, Yeligar, Wyatt, Li, et al.)
- 5:00 – 5:15 pm** **Bio-Break**
- 5:15 – 7:45 pm** **Dinner (T Street Café) Anschutz Health Sciences Building**