

Harold Hamm Diabetes Center Research Symposium 2020

Program Schedule

Friday, November 13, 2020

8:15 – 8:30 AM

Welcome

Ann Louise Olson, Ph.D.

Professor of Biochemistry and Molecular Biology
Edith Kinney Gaylord Foundation Presidential Professor
Presidential Associates Presidential Professor
Member, Harold Hamm Diabetes Center
University of Oklahoma Health Sciences Center

Jed Friedman, Ph.D.

Director, Harold Hamm Diabetes Center
Associate Vice-Provost for Diabetes Programs
Chickasaw Nation Endowed Chair
Professor of Physiology, Biochemistry & Molecular Biology
Professor of Pediatrics, Division of Endocrinology and Metabolism
University of Oklahoma Health Sciences Center

ORAL PRESENTATIONS

SESSION 1

Moderator: David Fields, Ph.D.

8:30 – 8:45 AM

Role of maternal pyrroloquinoline Quinone (PQQ) in ameliorating diet-induced NAFLD in offspring of obese mice

Karen Jonscher, Ph.D.

Associate Professor of Biochemistry & Molecular Biology
Member, Harold Hamm Diabetes Center
University of Oklahoma Health Sciences Center

8:45 – 9:00 AM

Deletion of Hepatic cannabinoid 1 receptor (CB1R) prevents fatty liver and improves glucose homeostasis via regulation of MTORC1

Yoo Kim, Ph.D.

Assistant Professor of Nutritional Sciences
Oklahoma State University

- 9:00 – 9:30 AM *Gut-Liver Bile Acid Signaling Regulation of Hepatic Metabolism*
Tiangang Li, Ph.D.
Associate Professor of Physiology
Member, Harold Hamm Diabetes Center
University of Oklahoma Health Sciences Center
- 9:30 – 10:15 AM *Molecular Mediators of Fatty Liver*
Jay Horton, M.D.
Professor of Internal Medicine and Molecular Genetics
Dr. Robert C. Atkins and Veronica Atkins Chair in Obesity and
Diabetes Research
Director of the Center for Human Nutrition
University of Texas Southwestern Medical Center at Dallas
- 10:15 – 10:30 AM *Break*
- SESSION 2**
Moderator: Kruti Shah, M.D.
- 10:30 – 10:45 AM *Fatty acid metabolism dysregulation and retinal dysfunction in diabetic retinopathy*
Martin-Paul Agbaga, Ph.D.
Assistant Professor of Cell Biology
Member, Harold Hamm Diabetes Center
University of Oklahoma Health Sciences Center
- 10:45 – 11:00 AM *Effect of athletic conditioning on skeletal muscle glucose transporter expression in dogs*
Michael Davis, DVM, Ph.D.
Professor of Physiological Sciences
John C. and Debbie Oxley Endowed Chair
Oklahoma State University
- 11:00 – 11:30 AM *In Vivo Lipid Programming of Adipocyte Stem-Like Cell Metabolism Early In Life*
Michael Rudolph, Ph.D.
Assistant Professor of Physiology
Harold Hamm Diabetes Center
University of Oklahoma Health Sciences Center

11:30 – 12:15 PM *New insights into muscle lipids and insulin resistance – is it all about location?*

Bryan Bergman, Ph.D.

Professor of Medicine

Division of Endocrinology, Diabetes, and Metabolism

University of Colorado Anschutz Medical Campus

12:30 – 2:30 PM *Student presentations and judging*

SESSION 3

Moderator: Jeannie Tryggstad, M.D.

2:30 – 2:45 PM *Evidence of increased cardiovascular disease risk in adolescents with nonalcoholic fatty liver disease*

Kevin Short, Ph.D., FACSM

Associate Professor

CHF Choctaw Nation Chair in Pediatric Endocrinology and Diabetes

Member, Harold Hamm Diabetes Center

University of Oklahoma Health Sciences Center

2:45 – 3:00 PM *NAD⁺ redox imbalance in the heart exacerbates diabetic cardiomyopathy*

Chi Fung Lee Ph.D.

Assistant Member

Cardiovascular Research Program

Oklahoma Medical Research Foundation

3:00 – 3:30 PM *Snail Transcription Factors and Immune Factor Tep2 Direct a Heart-To-Fat Metabolic Axis in Drosophila*

Hui-Ying Lim, Ph.D.

Assistant Professor of Physiology

Member, Harold Hamm Diabetes Center

University of Oklahoma Health Sciences Center

3:30 – 4:15 PM

Is Decreased Cardiorespiratory Fitness a Microvascular Complication of Diabetes?

Jane Reusch, M.D., ASCI, AAP, FAHA

Professor, Division of Endocrinology, Metabolism and Diabetes;

Director of Diabetes Research and Personalized Medicine to Transform Care;

Assoc. Director, Center for Women's Health Research;

Co-Director, University of Colorado NIH Diabetes Research Center;

Departments of Medicine, Integrative Physiology, and Bioengineering

University of Colorado-Anschutz Medical Campus;

Staff Physician and Merit Investigator

Rocky Mountain Regional VAMC

4:15 – 5:00 PM

Awards Presentation & Meet the Speakers

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