17TH ANNUAL **CHICAGO DIABETES DAY**

Saturday, May 20, 2023

8:30AM - 2PM CDT

The University of Chicago Biological Sciences Learning Center, 1st Floor Auditorium, 924 E 57th St, Chicago, IL 60637

THIS ACTIVITY IS APPROVED FOR *AMA PRA CATEGORY 1 CREDITS™.

7:45 – 8:30 am **REGISTRATION**

8:30 – 9:15 am Keynote Presentation

Donald F. Steiner Award for Outstanding Diabetes Translation Research

Dr. Julie Schmittdiel, PhD, MA Senior Research Scientist, Kaiser Permanente Division of Research *"Diabetes Prevention Translation Research: Strategies for Risk Identification, Screening, and Treatment"*

SHORT ORAL PRESENTATIONS

9:15 – 9:40 am **Andrea Graham, PhD** Assistant Professor, Northwestern University *"Designing digital interventions for eating disorders and weight management"*

9:40 – 10:05 am **Xuelin Lou, MD, PhD** Associate Professor, The Medical College of Wisconsin *"Dynamin GTPase: a master regulator of membrane trafficking in Pancreatic beta cells"*

10:05 – 10:30 am **Solomon Afelik, PhD** Assistant Professor, University of Illinois at Chicago *"Molecular mechanisms underlying beta-cell neogenesis from adult pancreatic duct cells"*

10:30 – 10:50 am **BREAK**

10:50 – 11:35 am Keynote Presentation

Donald F. Steiner Award for Outstanding Diabetes Research

Alvin C. Powers, MD Joe C. Davis Chair in Biomedical Science and Professor of Medicine, Molecular Physiology and Biophysics, Vanderbilt University, Director, Vanderbilt Diabetes Center *"Pancreatic Islets and Diabetes: From Development to Genetics to Genomics to Function"*

11:35 am – 1:45 pm **LUNCH AND POSTER SESSION**

1:45 pm Award Presentation

Space is limited!

Visit https://cvent.me/RPvvNR to register now.

Physician Credit The University of Chicago Pritzker School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Chicago Pritzker School of Medicine designates this live activity for a maximum of 2.75 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nursing Credit University of Chicago Medicine is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

Participants who successfully complete the entire activity and complete an evaluation form will earn 2.75 contact hours.

Other Health Professional Credit Other healthcare professionals will receive a Certificate of Participation. For information on the applicability and acceptance of Certificates of Participation for educational activities certified for *AMA PRA Category 1 Credit*™ from organizations accredited by the ACCME, please consult your professional licensing board.

AT THE FOREFRONT UChicago Medicine | Kovler Diabetes Center

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PRACTICE GAP/NEEDS ASSESSMENT

Diabetes affects patients for a lifetime and is often associated with comorbidities such as obesity. Diabetes and obesity are increasingly prevalent, creating worldwide epidemics. Methods for the dissemination and understanding of research and clinical integration need to be explored for their effectiveness. In other continuing medical education (CME) activities related to diabetes and obesity, much of the focus has been on the mode of delivery of clinical care and education. Experts agree physicians need ongoing learning and constant exposure to research findings in these areas to stay updated on the latest evidence-based clinical care practices, as they are unable to stay abreast of new findings because of their busy practices. CME is traditionally reliant on self-directed learning based on the individual's perceived priorities. Practitioners prefer to focus on familiar topics and avoid lesser-known topics of interest. Current thought is that interactive CME activities in a group setting help individuals recognize a teachable moment, which can help encourage engagement and motivate learners to pursue the activity. While there are methods to help physicians discover knowledge and skills gaps in diabetes care, the integration of concepts between basic and clinical research in partnership with clinically based CME is needed.

GOALS

This activity's goal is to provide practitioners and scientists with a comprehensive overview of the depth and breadth of clinical and scientific diabetology. The curriculum will emphasize biochemistry and physiology, including cell and molecular biology as related to diabetes and obesity. In addition, a critical review of the evidence-based medical literature will be emphasized. We will have two keynote speakers on the topics of diabetes prevention and the role of pancreatic islets in diabetes pathogenesis. Clinical and scientific research in diabetes, endocrinology, and other internal medicine subspecialties related to diabetes pathogenesis will be emphasized. The focus of this activity is to discuss unique, multifaceted perspectives on diabetes research and care, thinking about variables related to what one needs to overcome challenges related to the diagnosis and management of diabetes and obesity. This activity focuses on interventions for weight loss, factors impacting diabetes outcomes in low-income populations, the fundamental physiology of diabetes and obesity pathogenesis at the organismal and cellular level, and other important and distinct topics typically not discussed in other activities.

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TARGET AUDIENCE

This activity has been designed for physicians, scientists, nurse practitioners, nurses, diabetes educators, students, and other healthcare professionals dedicated to scientific advances in diabetes diagnosis, management, and treatment.

LEARNING OBJECTIVES

After this activity, participants will be able to:

- Identify scientific factors that cause diabetes and approaches to prevent it;
- Summarize the role of proteins in the trafficking of membranes in pancreatic beta cells;
- Outline engineering approaches to fat cells that control inflammation;
- Describe digital interventions to address eating disorders and weight management;
- Discuss current research on how new pancreatic beta cells form in the pancreas;
- Explain how pancreatic islets contribute to the development of diabetes.

OUTCOMES

After this activity, participants will have improved knowledge of the most recent diabetes and obesity research that will allow them to provide better care to patients. They will have direct updates and education from a variety of healthcare professionals that will lead to improved patient care.

AT THE FOREFRONT
UChicago Medicine | Kovler Diabetes Center