

6:45 am Pre-Registration| Exhibit Hall Opens | Coffee

7:00 am – 8:00 am Pre-Congress Breakfast CME SYMPOSIUM

Supported by **MLI-Medical Learning Institute**
 Made Available by **Boehringer Ingelheim & Eli Lilly**

Cardio-Renal Metabolic Dialogues Live | Therapeutic Strategies for Cardio-Renal Metabolic Disease: Addressing the Interwoven Triad of Heart Failure, Chronic Kidney Disease, and Diabetes

Chair: Jay Shubrook, DO

7:00 am Introduction and Pre-Test

Jay Shubrook, DO

Exploring the Connections Between CKD, HF, and T2D

Jay Shubrook, DO

Unveiling Epidemiological Trends and Pathophysiological Links

Deepak Bhatt, MD, MPH, MBA

Emerging Therapeutic Strategies for Cardio-renal Metabolic Disease: Harnessing the Potential of SGLT2

Inhibitors and Aldosterone Synthase Inhibitors

Jennifer B. Green, MD

Tailoring Treatment for Cardio-renal Metabolic Disease: Navigating Complex Interactions

Eugene E. Wright, Jr., MD

Conclusion and Post-Test

8:00 am Adjourn

8:15 am - 8:30 am Welcome & Introduction | Pre-CME Questions

Yehuda Handelsman, MD

Session 1 The Liver in Cardiometabolic Diseases

Chairs: Bart Staels, PhD • Derek Leroith, MD, PhD

8:30 am Targeting Hepatic Mitochondria to Treat MASLD, MASH and Cardiometabolic Disease **Gerald I. Shulman, MD, PhD**

8:50 am Real-world evidence for DCRM health **Christos S. Mantzoros, MD, DSc, PhD**

9:10 am – 9:20 am Panel Discussion and Q&A

Session 2 Circadian and CMR

Chairs: Paul Zimmet, MD, PhD • Richard Bergman, PhD

9:20 am Circadian Control of Intestinal Lipid Absorption **Bart Staels, PhD**

9:40 am Circadian Medicine: Practical Insights into the 4th Dimension of Cardiovascular Health and Disease.

Michael J. Sole, BS Hons, MD

10:00 am- 10:10 am Panel Discussion and Q&A

10:10 am – 10:40 am Refreshment Break at the Exhibit Hall

Session 3 Heart Failure Circa 2024

Chairs: Norman Lopor, MD • Matthew J. Budoff, MD

10:40 am CVOTs Update focus on HF **Mikhail N. Kosiborod, MD**

11:00 am HFpEF in Women and Sex-specific Response to Therapies **Erin D. Michos, MD, MHS**

11:20 am Worsening Heart Failure: Nomenclature, Epidemiology, and Future Directions **Steven J. Greene, MD**

11:40 am -11:55 am Panel Discussion and Q&A

Session 4 Concurrent Sessions: Meet the Experts

12:00 pm DM - the Noxious Nine **Ralph A. DeFronzo, MD**

Everything IR - Cardiometabolic Diseases

Yehuda Handelsman, MD

Kidney, HTN

Matthew R. Weir, MD

Obesity

Samuel Klein, MD

12:45 pm

12:45 pm – 1:45 pm Lunch Break

12:55 pm – 1:40 pm

Lunch Session

Zepbound- (Tirzepatide) Injection

Non-CME Education

Product Theater Hall

Matthew J. Budoff, MD

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Session 5 Technology Impact on Health

Chairs: George Grunberger, MD • Chris Guerin, MD

1:45 pm Insights From Real-World Use of CGM On Long-Term Patterns of Glucose Control and Development of Diabetes Complications **Peter D. Reaven, MD**

2:05 pm Novel uses of CGM - Identifying Metabolic Subphenotypes & Addressing People With No Diabetes **Tracey L. McLaughlin, MD, MS**

2:25 pm – 2:35 pm Panel Discussion and Q&A

Session 6 Joint Session with Metabolism @ WCIRDC 2024

Chairs: Christos S. Mantzoros, MD, DSc, PhD • Christian Mende, MD

2:35 pm Introduction and Award **Christos S. Mantzoros, MD, DSc, PhD**

2:45 pm Loss of CEACAM1 in Endothelial Cells Causes Hepatic Fibrosis **Sonia M. Najjar, MD**

3:05 pm EAT-Lancet diet and prevention of cardiorenal metabolic diseases **Emily Sonestedt, Msc, PhD**

3:25 pm Cardiac insulin resistance in diabetic cardiomyopathy **Gary Lopaschuk, PhD**

3:45 pm – 4:00 pm Panel Discussion and Q&A

4:00 pm – 4:30 pm Refreshment Break at the Exhibit Hall

Session 7 DCRM 2.0

Chairs: • Jorge Plutzky, MD • Matthew R. Weir, MD

4:30 pm Background and Rationale **Yehuda Handelsman, MD**

Topics Presentations: **Matthew J. Budoff, MD • Zachary B. Bloomgarden, MD • Steven J. Greene, MD
George Grunberger, MD • Paul S. Jellinger, MD • Samuel Klein, MD • Christos S. Mantzoros, MD, DSc, PhD
Erin D. Michos, MD, MHS • Richard E. Pratley, MD**

Panel Discussion and Q&A

5:15 pm

Session 8 Contemporary Topics in Diabetes

Chairs: Richard E. Pratley, MD • Zachary T. Bloomgarden, MD

5:15 pm Evaluation and Management of (painful) Diabetes Neuropathy **George Grunberger, MD**

5:35 pm Prioritizing Patient Experiences in the Management of Diabetes and Its Complications **Kelly L. Close, MBA**

5:55 pm From Research to Guidelines to Implementing Good Clinical Practice in the Management of Diabetes **Jennifer B. Green, MD**

6: 15 pm - 6:30 pm Panel Discussion and Q&A Post CME Questions

6:30 pm – 7:30 pm WELCOME & POSTER RECEPTION at the Exhibit Hall

7:30 pm – 9:30 pm

DINNER CME SYMPOSIUM:

Supported by **AstraZeneca**

The Complications of the DCRM- Diabetes & CardioRenalMetabolic- Patient

Chairs: Yehuda Handelsman, MD • Steven J. Greene, MD

7:30 pm -

Dinner and Wine Served

7:45 pm

Introduction & Pre-CME Questions

Steven J. Greene, MD

7:55 pm

Diabetes & CRM Approach to Comorbidities

Peter Rossing, MD, DMSc

8:15 pm

Heart Failure & Cardiomyopathy- Addressing Etiologies

Michelle M. Kittleson, MD, PhD

8:35 pm

The Treatment of CKD and Heart Failure Circa 2024

Katherine R. Tuttle, MD

8:55 pm

Panel Discussion and Q&A: The Physician's Role in the Proper Diagnosis of DCRM Complications

Panel: Michelle M. Kittleson, MD, PhD • Peter Rossing, MD, DMSc • Katherine R. Tuttle, MD

Moderator: Yehuda Handelsman, MD

Post-CME Questions & Concluding Remarks

9:30 pm

Adjourn

WCIRDC PROGRAM 2024

Friday, December 13, 2024

6:45 am

Registration

7:00 am – 8:00 am

Exhibit Hall Opens | Coffee

7:00 am – 7:45 am

Breakfast Session

Non-CME Education

Product Theater Hall

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Supported by **Biomea**

8:00 am – 8:15 am

Summary of Day 1 & Pre-CME Questions

Zachary T. Bloomgarden, MD

Session 9

A Multi-Disciplinary Approach to Obesity

Panel Session

Chairs: Sam Klein, MD • W. Timothy Garvey, MD

8:15 am

Nephrology

Csaba P. Kovesdy, MD

Cardiology

Laurence S. Sperling, MD

Endocrinology

Ania M. Jastreboff, MD, PhD

SELECT Outcome implication on Practice

Ildiko Lingvay, MD

Panel Discussion and Q&A After Each Speaker

9:45 am

Session 10

Sarcopenia Association with Obesity- Myth & Reality

Chair: Philipp E. Scherer, PhD • Ania M. Jastreboff, MD PhD

9:45 am

Epidemiology and Pathophysiology of Sarcopenia – Challenges in Prevention and Management

Zachary B. Bloomgarden, MD

10:05 am – 10:35 am Refreshment Break at the Exhibit Hall

Session 10

Sarcopenia Association with Obesity- Myth & Reality

Chair: Philipp E. Scherer, PhD • Ania M. Jastereboff, MD PhD

10:35 am Debate: Sarcopenia is a Real Concern

No
Yes

Samuel Klein, MD
Richard E. Pratley, MD

11:05 am – 11:20 pm Panel Discussion and Q&A

Session 11 **Kidney, HTN and the Heart**

Chairs: Erin D. Michos, MD, MHS • Ralph A. DeFronzo, MD

11:20 am Chronic Kidney Disease: Should We Worry about the Heart or Progression to ESKD **Matthew R. Weir, MD**

11:40 am HTN & IR - Contemporary Approach to Management **Raymond R. Townsend, MD**

12:00 pm – 12:10 pm Panel Discussion and Q&A

12:10 pm – 1:10 pm Lunch Break

12:20 pm – 1:05 pm

Lunch Session

Non-CME Education

Product Theater Hall

Title:

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Speaker/s

Session 12 **Cells, Endothelium & Organs**

Chairs: Bart Staels PhD • Peter J. Grant, MD

1:10 pm Endothelial Cell Cycling Expanding Definitions of Endothelial Function and Dysfunction **Jorge Plutzky MD**

1:30 pm Cellular Mechanisms of Lipotoxicity (Glucagon Receptors in the Liver & kidney) **Philipp E. Scherer, PhD**

1:50 pm Targeting Cell Senescence and Senolytics: Novel Interventions for Age-Related Metabolic Dysfunction

Richard E. Pratley, MD

2:10 pm New advances in obesity associated Insulin Resistance **Ron Evans, PhD**

2:10 pm – 2:50 pm Panel Discussion and Q&A

2:50 pm – 4:05 pm Refreshment Break at the Exhibit Hall

3:15pm – 4:00 pm

Refreshment Session

Non-CME Education

Product Theater Hall

Title:

Supported by **BI**

Pamela Kushner, MD •, Samuel Klein, MD •, Pam R. Taub, MD

Session 13 **A Glimpse into the Future - What's in the Pipeline?**

Chairs:., Ralph A. DeFronzo, MD •, Christos S. Mantzoros, MD, DSc, PhD

4:05 pm Regeneron **Ofri Mosenzon, MD / Boaz Hirshberg, MD**

4:20 pm Bayer **Markus Scheerer, MD**

4:35 pm Amgen **Magnus Ohman, MD**

4:50 pm 5:05pm Panel Discussion and Q&A

Session 14 Diabetes - Genetics & Dementia

Chairs: Ildiko Lingvay, MD • Chris Guerin, MD

- 5:05 pm T2D Genome-Wide Association Study (GWAS), Polygenic Risk Scores, and Genetic Subclusters Elucidate the Heterogeneity of T2D. **Jerome Rotter, MD**
- 5:25 pm Diabetes, Drugs, and Dementia **Alice Cheng, MD**
- 5:45 pm – 6:00 pm Panel Discussion and Q&A | Post CME Questions

6:00 pm – 7:30 pm DINNER CME SYMPOSIUM:

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6:00 pm Dinner and Wine Served

7:30 pm Adjourn

7:30 pm – 9:00 pm **Abstract Oral Presentation****CHEESE & WINE WILL BE SERVED****Chair:** Zachary Bloomgarden, MD**Abstract Committee:** Ralph A. DeFronzo, MD • Vivian A. Fonseca, MD • George Grunberger, MD
Norman E. Lepor, MD • Derek LeRoith, MD, PhD • Christian W. Mende, MD • Richard E. Pratley, MD
Matthew R. Weir, MDAbstracts published in the journal *Metabolism: Clinical and Experimental*: Editor-in-Chief Christos S. Mantzoros, MD, DSc, PhD**WCIRDC PROGRAM 2024****Saturday, December 14, 2024**7:00 am **Registration & Coffee**

7:40 am – 7:55 am Summary of Day 2 & Pre-CME Questions

Zachary T. Bloomgarden, MD7:55am – 8:00 am **Oral Abstract Winner Award Presentation****George Grunberger, MD, MACE**8:00 - 9:00 am **BREAKFAST CME SYMPOSIUM**

Supported by

9:00 am Adjourn

Session 15 Gerald Reaven Distinguished Leader in Insulin Resistance 2024 Award9:00 am Award Presentation by **Vivian A. Fonseca, MD • Peter J. Grant MD**

9:05 am A Belated Pathway Towards Obesity Medicine: from Frustration to an Era of Drug Development that is a Landmark in the History of Medicine

W. Timothy Garvey, MD

9:35 -9:40 am Q & A

9:40 am – 9:50 am **Refreshment**

Session 16	Emerging Topics in Cardiometabolic Diseases	
	Chairs: Jennifer B. Green, MD • Mikhail N. Kosiborod, MD	
9:50 am	The Role of Iron in the Pathophysiology of Cardiorenal Disease	Peter J. Grant MD
10:10 am	Off Target Aspects and Safety of GLP1-ra	Vivian A. Fonseca, MD
10:25 am	MRA in Cardiorenal Translational Biology- Implications to Practice	Robert J. Chilton, DO
10:45 am	Hypercortisolism Impact on Diabetes and Cardiometabolic Diseases	Ralph DeFronzo, MD
11:05 am	CATALIST – Hypercortisolism in Hard to Control Diabetes- Final Results	Vivian A. Fonseca, MD
11:20 am – 11:35 am	Panel Discussion and Q&A	

11:35 am – 12:35 pm Lunch Break & Check-Out

11:45 am – 12:30 pm	Lunch Session Mounjaro Supported by Eli Lilly	Non-CME Education	Product Theater Hall Carol H. Wysham, MD
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Session 17	Important Issues in Cardiovascular Disease	
	Chairs: Vivian A. Fonseca, MD • Robert Chilton, DO	
12:35 pm	CAC in ASCVD Relation to Bone Density & Osteoporosis	Matthew J. Budoff, MD
12:55 pm	INOCA, MINOCA and Everything in Between	Martha Gulati, MD
1:15 pm	The Role of Inflammation and its Management in Cardiometabolic Diseases	Norman E. Lepor, MD
1:35 pm – 1:50 pm	Panel Discussion and Q&A	

Session 18	The Intersection of Obesity and T1D	
	Chairs: Richard E. Pratley, MD • Tracey L. McLaughlin, MD, MS	
1:50 pm	The Role and Safety of SGLT2i and GLP1ra Therapy in T1D	Schafer Boeder, MD
2:10 pm	The Physiopathology of Insulin Sensitivity & Secretion Early Stages of T1D	Alfonso Galderisi, MD
2:30 pm – 2:40pm	Panel Discussion and Q&A	

2:40 pm – 2:50 pm Refreshment

Session 19	State of the Art of Dyslipidemia	
	Chairs: Paul S. Jellinger, MD • Pam R. Taub, MD	
2:50 pm	Electronegative Pro-Inflammatory LDL and CVD Risk	Ronald M. Krauss, MD
3:10 pm	The Impact of Triglycerides on Cardiovascular Disease	Ira Goldberg, MD
3:30 pm	Lipoprotein(a): Ready for Prime Time	Nathan D. Wong, PhD
3:50 - 4:05 pm	Panel Discussion and Q&A and Post-CME Questions	

Session 20	Diets & Weight Loss	
	Chairs: Ronald M. Krauss, MD • Derek LeRoith, MD, PhD	
4:05 pm	Time Restricted Eating: Evidence from Recent Randomized Controlled Trials	Pam R. Taub, MD
4:25pm	Contemporary understanding of (or the Science of) Weight Loss Plateau	Kevin Hall, PhD
4:45 pm – 4:55 pm	Panel Discussion and Q&A	

Session 21	Clinical Workshop	
5:00 pm	Lipids DM	Paul S. Jellinger, MD, MACE and Paul D. Rosenblit, MD, PhD George Grunberger, MD, MACE

5:45 pm

HTN/CKD
Adjourn

Christian W. Mende, MD