

THE
DISCOVERY
LECTURE SERIES

IRWIN ESKIND, MD, LECTURE IN BIOMEDICAL SCIENCE

DANIEL DRUCKER, M.D.

GLP-1 MEDICINES:
WHERE AND HOW DO THEY WORK?

NOVEMBER 21, 2024

4:00 P.M.

208 LIGHT HALL

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VANDERBILT DIABETES CENTER

VANDERBILT  UNIVERSITY
MEDICAL CENTER

GLP-1 MEDICINES: WHERE AND HOW DO THEY WORK?

Medicines based on GLP-1 action are approved for the treatment of type 2 diabetes and obesity. These medicines also reduce the rates of heart disease and kidney disease as well as sleep apnea. Efforts are underway to study the benefits of these medicines in people with metabolic liver disease, peripheral artery disease, and neurodegenerative disorders, such as Parkinson's disease and Alzheimer's disease. In this lecture, Dr. Drucker will discuss the current data supporting the use of these medicines and identify mechanisms linking GLP-1 action to clinical benefits.



DANIEL DRUCKER, M.D.

**SENIOR SCIENTIST, LUNENFELD-
TANENBAUM RESEARCH INSTITUTE,
MT. SINAI HOSPITAL**

**PROFESSOR OF MEDICINE,
DIVISION OF ENDOCRINOLOGY,
UNIVERSITY OF TORONTO**

**BANTING AND BEST DIABETES
CENTRE-NOVODISK CHAIR IN
INCRETIN BIOLOGY**

Dr. Daniel Drucker is an Endocrinologist and Professor of Medicine in the Division of Endocrinology at University of Toronto. He holds the Banting and Best Diabetes Centre-Novo Nordisk Chair in Incretin Biology. His laboratory is based in the Lunenfeld Tanenbaum Research Institute at Mount Sinai Hospital in Toronto and studies the molecular biology and physiology of the glucagon-like peptides. Dr. Drucker received training in Internal Medicine and Endocrinology from the Johns Hopkins Hospital in Baltimore and the University of Toronto, followed by a fellowship in molecular endocrinology at Massachusetts General Hospital. His discoveries have enabled development of several new GLP-1-based therapies for the treatment of diabetes and obesity and GLP-2 analogues for intestinal failure. Dr. Drucker has received numerous international awards for his translational science and has been elected to the Order of Canada, the Canadian Medical Hall of Fame, Fellowship in the Royal Society (London) and the National Academy of Sciences and National Academy of Medicine (USA).

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Upcoming Discovery Lecture:

SARAH TISHKOFF, Ph.D.

*David and Lyn Silfen University Professor in Genetics and Biology,
University of Pennsylvania*

*Director of the Penn Center for Global Genomics & Health Equity,
Perelman School of Medicine*

March 6, 2025

208 Light Hall / 4:00 P.M.