

The Twenty-Fifth Irving L. Schwartz Lectureship

in Structural
and Chemical Biology

**Professor Dame Carol Robinson,
DBE, FRS, FMedSci, FRSC**

Dr. Lee's Professor of Chemistry,
Director, Kavli Institute for Nanoscience Discovery,
University of Oxford

“Isolation of Metabotropic
Glutamate Receptors from
Human Brain Uncovers
Remodelling in Depression”

Thursday, May 29, 2025
11 am

Hatch Auditorium

Icahn School of Medicine at Mount Sinai
1468 Madison Avenue
Second Floor
New York, NY 10029

Reception to follow the lecture



Department of Pharmacological Sciences

Icahn School of Medicine at Mount Sinai

One Gustave L. Levy Place

1468 Madison Avenue

New York, NY 10029

T 212-659-8647

The Twenty-Fifth Irving L. Schwartz Lectureship

in Structural and
Chemical Biology

Thursday, May 29, 2025 | 11 am



Icahn School
of Medicine at
Mount
Sinai



Icahn School
of Medicine at
Mount
Sinai



Professor Dame Carol Robinson, DBE, FRS, FMedSci, FRSC

Professor Dame Carol Robinson, DBE, FRS, FMedSci, FRSC, is the Dr. Lee's Professor of Chemistry at the University

of Oxford and the Founding Director of Oxford's Kavli Institute for Nanoscience Discovery. She is internationally recognized for pioneering the use of mass spectrometry to study the structure and function of proteins. Professor Robinson graduated from the Royal Society of Chemistry in 1979 and earned her PhD at the University of Cambridge. Following an eight-year career break to raise her family, she was appointed Professor of Mass Spectrometry at Cambridge, before returning to Oxford in 2009 to assume her current position. In 2016, she co-founded OMass Therapeutics (omass.com) with several postdoctoral researchers from her laboratory.

Professor Robinson's contributions have been recognized with numerous prestigious awards, including the 2022 Benjamin Franklin Medal in Chemistry, the 2022 Louis Jeantet Prize for Medicine, the 2023 ASMS John B. Fenn Award for a Distinguished Contribution in Mass Spectrometry, and election to the American Philosophical Society. She is a former President of the Royal Society of Chemistry, a Foreign Associate of the U.S. National Academy of Sciences, and an International Honorary Member of the American Academy of Arts and Sciences. In 2013, she was appointed Dame Commander of the Order of the British Empire (DBE) for services to science and industry.

The Schwartz Lectures

- 1993 Albert J. Hudspeth, MD, PhD**
University of Texas-Southwestern Medical Center
- 1995 Charles F. Stevens, MD, PhD**
The Salk Institute for Biological Studies
- 1998 Wayne L. Hubbell, MD, PhD**
University of California at Los Angeles
- 2000 Richard N. Bergman, PhD**
University of Southern California
- 2005 Stephen C. Harrison, PhD**
Harvard Medical School
- 2006 Roger D. Kornberg, PhD***
Stanford University
- 2007 Kurt Wüthrich, PhD***
The ETH Zürich, Switzerland
- 2008 Stuart L. Schreiber, PhD**
Harvard University, The Broad Institute
- 2009 Michael G. Rosenfeld, MD**
University of California, San Diego, HHMI
- 2010 Klaus Schulten, PhD**
University of Illinois Urbana-Champaign
- 2011 Kevan Shokat, PhD**
University of California, San Francisco, HHMI
- 2012 Tony Hunter, PhD**
The Salk Institute for Biological Studies
- 2013 David E. Shaw, PhD**
D. E. Shaw Research, Columbia University
- 2014 Joachim Frank, PhD***
Columbia University VPS, HHMI
- 2015 Wayne A. Hendrickson, PhD**
Columbia University VPS
- 2016 Jennifer Doudna, PhD***
University of California, Berkeley, HHMI

Irving L. Schwartz, MD

(1918 – 2011)

Irving L. Schwartz, MD, was the first Dean of the Mount Sinai Graduate School of Biological Sciences (1965–1980) and founding Chair of Physiology and Biophysics (now part of Pharmacological Sciences). A Lamport Distinguished Professor until 1989, he led Mount Sinai's rise as a center for translational research, championing interdisciplinary collaboration. His research evolved from whole-organism physiology to molecular studies, focusing on fluid regulation, secretion, neurophysiology, and peptide hormones. His pioneering work on peptide structure in solution and crystals laid the groundwork for modern structure–function analyses based on molecular conformation.

- 2017 Stephen W. Fesik, PhD**
Vanderbilt University School of Medicine
- 2018 Thomas R. Cech, PhD***
University of Colorado BioFrontiers, HHMI
- 2019 David Baker, PhD**
University of Washington, HHMI
- 2020 Joan A. Steitz, PhD**
Yale University, HHMI
- 2021 Karolin Luger, PhD**
University of Colorado, HHMI
- 2022 Craig M. Crews, PhD**
Yale University
- 2023 Ian Wilson, DPhil, DSc, FRS, FRSE**
Scripps Research Institute
- 2024 Dinshaw J. Patel, PhD**
Memorial Sloan-Kettering Cancer Center

*The Nobel Prize Winner