



# Department of Medicine

# Evans Days

**October 10 - 11, 2024**

## **WILKINS VISITING PROFESSOR LECTURE**

### **Daniel J. Drucker, MD**

Senior Scientist, Lunenfeld Tanenbaum Research Institute  
Mt. Sinai Hospital  
Professor of Medicine, University of Toronto

***“The expanding translational relevance of L cell derived  
therapeutics”***

## **INGELFINGER VISITING PROFESSOR**

### **Michelle A. Albert, MD, MPH, FACC, FAHA**

Walter A. Haas-Lucie Stern Endowed Chair in Cardiology  
Professor of Medicine,  
Director, CeNter for the StUdy of AdveRsiTy and CardiovascUlaR Disease  
(NURTURE Center)  
Associate Dean of Admissions, UCSF School of Medicine  
Immediate Past-President, American Heart Association

***“Humanizing Academic Medicine with Authenticity: A  
Transformative Staged Approach Leveraging our Missions to  
Achieve Progress for All”***



**BOSTON  
UNIVERSITY**

# SCHEDULE OF EVENTS

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## Thursday, October 10<sup>th</sup>

### Oral Presentations

8:15am – 9:15am | L110

### Basic Science Posters Presentation

9:30am – 11:00am | Hiebert Lounge

### Basic Science & Clinical Research Posters Presentation

11:15am – 12:45pm | Hiebert Lounge

### Wilkins Visiting Professor Lecture

1:00pm – 2:00pm | Keefer Auditorium

#### **Daniel J. Drucker, MD**

Senior Scientist,  
Lunenfeld Tanenbaum Research Institute  
Mt. Sinai Hospital  
Professor of Medicine,  
University of Toronto

*"The expanding translational relevance of L cell derived therapeutics"*

### ARC & David Coleman Prize Presentations

2:00pm – 3:00pm | Keefer Auditorium

### Reception & Awards Ceremony

6:00pm – 9:00pm | Hiebert Lounge

## Friday, October 11<sup>th</sup>

### Ingelfinger Visiting Professor

12:00pm – 1:00pm | Keefer Auditorium

#### **Michelle A. Albert, MD MPH FACC FAHA**

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*"Humanizing Academic Medicine with Authenticity: A Transformative Staged Approach Leveraging our Missions to Achieve Progress for All"*

# EVANS DEPARTMENT OF MEDICINE RESEARCH DAYS

## CHAIR AND COMMITTEE

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### Chair, Department of Medicine

Sushrut S. Waikar

### Chair, Evans Days

David Salant

### Blue Ribbon Panel

K. Alysandratos	J. Fetterman	Weining Lu	D. Steenkamp
Deborah Anderson	Kari Gillmeyer	Justin Lui	Katie Steiling
Rivka Ayalon	Anna Goldman	Ivan Luptak	Carl Street Jr.
Kathryn Bacon	Deepa Gopal	Shinobu Matsuura	S. Subramaniam
Tamar Barlam	Valerie Gouon-Evans	Sarah Mazzilli	Katrina Traber
Tracy Battaglia	Adam Gower	Gareth Morgan	Ashish Upadhyay
Laurence Beck	Elliott Hagedorn	G. Mostoslavsky	Kim Vanuytsel
Emelia Benjamin	Miriam Harris	George Murphy	Ashish Verma
Kimberly Bertrand	Finn Hawkins	M. Murray Horwitz	Sushrut Waikar
Steven Borkan	Christopher Heaphy	Nicole Mushero	Susan White
Nicholas Bosch	Titi Ilori	Matthew Nayor	Andrew Wilson
Markus Bosmann	Matthew Jones	Julie Palmer	Howard Wolpert
Tara Bouton	Simeon Kimmel	Vassiliki Pravodelov	Huiping Zhang
Lisa Caruso	Elizabeth Klings	Katya Ravid	
David Center	Naomi Ko	Ian Rifkin	
Erin Crossey	Darrell Kotton	Eric Roseen	
Hollis Day	Sudhir Kumar	Manish Sagar	
Gerald Denis	Gene Kwan	David Salant	
Ruben Dries	Rossana Lau-Ng	Jeffrey Samet	
M. Dubreuil	Mar Lenburg	Insa Schmidt	
Rachel Epstein	Jean Liew	Angie Serrano	
Peter Everett	Benjamin Linas	Francesca Seta	
Kathryn Fantasia	Laura Lowery	David Sparrow	

# EVANS DEPARTMENT OF MEDICINE RESEARCH DAYS

## HISTORY OF THE EVANS MEDICAL FOUNDATION

This year marks the 113th year of the Evans Department of Medicine. The Evans Department of Medicine began its activities in 1912. It was established by Maria Antoinette Evans, who made a series of gifts to the Massachusetts Homeopathic Hospital, now Boston Medical Center, to endow a research department of medicine, with the stipulation that research and teaching be intimately interrelated in the department. Although technically a separate research institute, the Evans Department has always functioned as an integral part of the clinical care and training programs of Boston Medical Center and the academic programs of the Department of Medicine at Boston University School of Medicine. Many of its research programs involve components at the hospital, the Medical School, and the Boston Veterans Administration Medical Center.

This year marks the 39th Evans Department of Medicine annual research celebration, which was established in 1985 to acknowledge and foster the research activities of the Evans Department of Medicine. A two-day period of academic activity will take place during which both the basic and clinical research accomplishments of the department are exhibited. In recognition of the distinguished past of the department as a training center for faculty and practitioners, we invite eminent clinical and basic scientists to share their scholarship and enlighten present trainees and faculty.

Poster presentations of ongoing research demonstrate our vigorous present and future. The two-day event features Distinguished Clinical and Basic Science Lectures (Ingelfinger Visiting Professor and Wilkins Visiting Professor respectively), which serve as touchstones of the excellence to which we all aspire.

# EVANS DEPARTMENT OF MEDICINE RESEARCH DAYS SPEAKERS 1992-2024

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	<b>Ingelfinger Visiting Professor</b>	<b>Wilkins Visiting Professor</b>
<b>1992</b>	Lawrence G. Raisz, MD	J. Michael Bishop, MD
<b>1993</b>	William G. Couser, MD	Robert J. Lefkowitz, MD
<b>1994</b>	Sheldon Greenfield, MD	Philip Leder, MD
<b>1995</b>	Marcia Angell, MD	Thomas P. Stossel, MD
<b>1996</b>	Jeffrey Glassroth, MD	Harold Varmus, MD
<b>1997</b>	Lee Goldman, MD	Phillip A. Sharp, PhD
<b>1998</b>	Andrew I. Schafer, MD	Mark Ptashne, PhD
<b>1999</b>	Jerome P. Kassirer, MD	Leroy Hood, MD, PhD
<b>2000</b>	Harold C. Sox, Jr., MD	James Wilson, MD, PhD
<b>2001</b>	Edward J. Benz, Jr., MD	Andrew Wyllie, FRS
<b>2002</b>	Ralph Horwitz, MD	Eric N. Olson, PhD
<b>2003</b>	Martin J. Blaser, MD	Stuart H. Orkin, MD
<b>2004</b>	Robert Moellering Jr., MD	Marc Kirschner, PhD
<b>2005</b>	Alan Fogelman, MD	Craig C. Mello, PhD
<b>2006</b>	Bradford C. Berk, MD, PhD	Richard P. Lifton, MD, PhD
<b>2007</b>	Nicholas F. LaRusso, MD	Elizabeth G. Nabel, MD
<b>2008</b>	Christine K. Cassel, MD	Stephen O'Rahilly, MD, FRS
<b>2009</b>	Talmadge E. King Jr., MD	David A. Flockhart, MD, PhD
<b>2010</b>	Richard Shannon, MD	Cynthia Kenyon, PhD
<b>2011</b>	William Bremner, MD, PhD	Richard Mulligan, PhD
<b>2012</b>	Joseph Loscalzo, MD, PhD	Aram Chobanian, MD
<b>2013</b>	Wendy Levinson, MD	Orian Shirihai, MD, PhD
<b>2014</b>	Christine A. Sinsky, MD, FACP	David A. Schwartz, MD
<b>2015</b>	David Johnson, MD, MACP, FASCO	Jennifer Lippincott-Schwartz, PhD
<b>2016</b>	John M. Carethers, MD	Glenn Dranoff, MD
<b>2017</b>	Nancy J. Cox, PhD	Katrina Armstrong, MD
<b>2018</b>	Gary V. Desir, MD	Gregg L. Semenza, MD, PhD
<b>2019</b>	Nancy Brown, MD	Aviv Regev, PhD
<b>2020</b>	Nakela Cook, MD, MPH	Elaine Fuchs, PhD
<b>2021</b>	Dale Abel, MD, PhD	Drew Weissman, MD, PhD
<b>2022</b>	Kathleen Cooney, MD	William Kaelin Jr., MD
<b>2023</b>	Gbenga Ogedegbe, MD, MPH	Barbara Kahn, MD
<b>2024</b>	Michelle A. Albert, MD, MPH, FACC, FAHA	Daniel J. Drucker, MD

# **EVANS DEPARTMENT OF MEDICINE RESEARCH DAYS**

## **CENTERS**

### **Evans Center for Interdisciplinary Biomedical Research (ECIBR)**

Boston University Interdisciplinary Biomedical Research Office (BU IBRO; [bu.edu/research/offices-contacts/research-support-offices/about-ibro/](http://bu.edu/research/offices-contacts/research-support-offices/about-ibro/)) creates opportunities for new interdisciplinary approaches to biomedical research and, in so doing, enhances the training experience at BU. It builds on the success of the Evans Center for Interdisciplinary Biomedical Research (ECIBR) at the Medical Campus, and was established under the auspices of the office of BU Vice President and Associate Provost for Research and the Department of Medicine.

Under the leadership of Katya Ravid, professor of medicine, biochemistry, biology and health sciences, IBRO and ECIBR collaborate with the Clinical & Translational Science Institute (CTSI) to facilitate interdisciplinary basic research discovery across campuses. IBRO maintains mechanisms developed by the ECIBR, including grant support of Affinity Research Collaboratives (ARCs), workshops, and seminars aimed at creating innovative, interdisciplinary team science research.

How It All Fits Together: ECIBR ([www.bumc.bu.edu/evanscenteribr](http://www.bumc.bu.edu/evanscenteribr)) began on the Medical Campus, providing the groundwork and tools to facilitate biomedical team science. IBRO expands the reach of those efforts to the Charles River Campus, encouraging more robust collaboration across the University and inspiring initiatives that are larger in scope. ECIBR focused on investigator-initiated research topics within the medical campus, while IBRO develops cross-campus programs around research strengths at BU with the potential to develop into university-wide research initiatives and programs.

### **Center for Integrative Transdisciplinary Epidemiology (CITE)**

The vision of CTE is to harness contemporary integrative epidemiological tools to better elucidate the multilevel determinants of health and disease in diverse populations in the community, in clinical setting and at the individual level, evaluate strategies for promoting and maintaining health and preventing and treating disease and strengthen teaching and building capacity in population health and epidemiological research.

The mission of CTE is to expand, refine and innovate the epidemiological methods and quantitative analysis of health measures to improve people's lives and to reduce inequalities in health.

We hope to achieve this transformative vision and mission by developing and facilitating highly collaborative translational and interdisciplinary epidemiological research that leverages and integrates large populations and well-defined clinical studies with high dimensional data via methodological innovation and analysis, in part by combining cohort-based genomic, proteomic and other Omics research with personalized behaviorome and exposome and the phenome.

## EVANS DEPARTMENT OF MEDICINE RESEARCH DAYS

In addition, the CITE will provide education and practical hands-on training in integrative epidemiology and quantitative health sciences methods *to train the public health workforce and clinical investigators of the future* using its resident databases, clinical trials and cohort studies.

Leveraging our expertise in planning, recruiting cohorts and establishing an infrastructure for surveillance (of cohorts, registries, crowd-sourced patient groups) we hope to contribute to *new and future observational cohort studies and clinical trials at BUSM*.

The CITE will make initial investments in creating a valued resource in five thematic areas leveraging resources at BUSM and focusing on methodological innovation:

1. *Life course epidemiology creating super cohorts with extant and new data*
2. *Integrative approaches for personalized and public health epidemiology*
3. *Novel epidemiological designs and analytical methods suited for super cohorts*
4. *Designing synthetic and pragmatic clinical trials in key areas of disease burden*
5. *Health disparities research incorporating aforementioned themes*

## Evans Center for Implementation and Improvement Sciences (CIIS)

The Boston University Department of Medicine's Evans Center for Implementation and Improvement Sciences (CIIS) is a methodological hub for the scientific evaluation of efforts to improve healthcare delivery that integrates key components of implementation and improvement sciences with a focus on care within safety net systems, especially Boston Medical Center.

*What are Implementation and Improvement Sciences?*

- Implementation science seeks to understand the process of evidence uptake into clinical practice. Did people perform the new endeavor? Why or why not?
- Improvement science seeks to rigorously measure outcomes of efforts to improve healthcare delivery. Did the new endeavor measurably improve desirable outcomes?

Combining Implementation and Improvement Sciences allows CIIS to assist in the development and rigorous evaluation of endeavors that seek to improve the quality of healthcare, particularly related to care for the underserved. CIIS serves as a conduit to the free flow of ideas between clinicians, administrators and health services researchers in the Boston University and Boston Medical Center communities and beyond to facilitate improvement in care that not only measures internal program adherence, but also produces inferential and generalizable evaluations of healthcare delivery.

*Specific objectives of CIIS are to:*

1. Guide, support, and innovate design of projects that rigorously evaluate the effectiveness of efforts to implement healthcare system change.
2. Identify factors and strategies that accelerate the adoption and promote sustainability of effective healthcare interventions in safety net systems.
3. Educate faculty and trainees in Implementation and Improvement

For more information, please visit our website: <http://sites.bu.edu/ciis/>