

# UCLA

## UCLA Previously Published Works

### Title

A Celebration Jonathan M. Tobis, MD 40 Years of Research and Patient Care

### Permalink

<https://escholarship.org/uc/item/53b4n1kr>

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### Publication Date

2024-04-06

### Supplemental Material

<https://escholarship.org/uc/item/53b4n1kr#supplemental>

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Dr. Tobis is co-author with Paul Yock, M.D., of the textbook *Intravascular Ultrasound Imaging* and with Dr. Colombo of *Techniques in Coronary Artery Stenting*. His more recent work has been devoted to understanding patent foramen ovale (PFO) in relation to cryptogenic stroke, migraine headache, orthodeoxia, and coronary artery spasm. He is a co-editor of a textbook and complete reference dedicated solely to the topic of PFO.

Among his other achievements, Dr. Tobis served as a consultant for Cardiac Dimensions, a start-up company with the mission to bring more success to the treatment of heart failure patients that developed a percutaneous device for treating mitral regurgitation. As part of this work, he travels to Europe and Australia to proctor physicians on performing this procedure. As a clinical professor emeritus of medicine in cardiology, Dr. Tobis continues to see cardiology patients in consultation and specializes in problems associated with PFO.



With profound gratitude to Yardi Systems  
for the establishment of the

**Jonathan M. Tobis, M.D., Endowed Research Fund**

Serving as a permanent legacy in honor of  
Dr. Jonathan M. Tobis at the David Geffen School of Medicine

**UCLA** Health

David Geffen  
School of Medicine



**A Celebration of  
Jonathan M. Tobis, M.D.  
*40 Years of Research  
and Patient Care***



Saturday, April 6, 2024  
1:00–2:30 p.m.



## Program

Introduction and Announcement of the  
Jonathan M. Tobis, M.D., Endowed Research Fund

**Ravi Dave, M.D.**

Director of Interventional Cardiology  
UCLA Health

## Presentations

“Digital Imaging for Coronary and  
Ventricular Angiograms in Humans”

**Sabee Molloi, Ph.D.**

Professor and Vice Chairman of Research, Radiological Sciences  
University of California, Irvine School of Medicine

“*In Vivo* Ultrasound Imaging of Human Coronary Arteries”

**Paul Zalesky, Ph.D.**

Former Chief Executive Officer, InterTherapy

“Intravascular Ultrasound Imaging in Coronary Artery Stenting”

**Antonio Colombo, M.D.**

Professor of Cardiology and Senior Consultant,  
Humanitas University  
Interventional Cardiologist  
EMO GVM Centro Cuore Columbus, Milan, Italy

“Patent Foramen Ovale”

**Jonathan M. Tobis, M.D.**

Clinical Professor of Medicine, Cardiology  
Director of Interventional Cardiology Research  
David Geffen School of Medicine at UCLA

## Jonathan M. Tobis, M.D.



Dr. Tobis' career spans more than 40 years of research, teaching, and creative and scholarly contributions in the field of cardiology. He has held prestigious titles at medical centers throughout Southern California, including the University of California, Irvine. Dr. Tobis began serving there in 1981 as the director of Cardiac

Catheterization Laboratories and served as acting chief of cardiology from 1989 to 1992. Since beginning at UCLA in 1995, he has been a leader in the field of interventional cardiology, as director of interventional cardiology research, director of interventional cardiology, and director of the UCLA Interventional Cardiology Fellowship program. Dr. Tobis is proud to have mentored and trained several generations of cardiologists who are now doing leading-edge work of their own.

Dr. Tobis is renowned for pioneering the development of digital angiography for use in the cardiac catheterization laboratory. He performed the first digital left ventricular and coronary angiograms in the world. This work helped transform the cardiac catheterization laboratory from a film-based procedure to a completely digital environment. He also helped develop one of the first mechanically rotating intravascular ultrasound (IVUS) imaging devices. This technology aids our understanding of coronary pathophysiology and the mechanism of action of multiple devices used in interventional cardiology. In collaboration with Dr. Colombo, Dr. Tobis used IVUS to help explain the high incidence of subacute thrombosis during the early experience with intracoronary stents. This led to the use of larger balloons and higher pressures with decreased subacute stent thrombosis and permitted a dramatic increase in the use of coronary stents for angioplasty.

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