

KEITH REIMER, M.D.

1946-2002

Keith Arnold Reimer, M.D., Ph.D., Professor of Pathology at Duke University Medical School, internationally recognized cardiovascular scientist, pathologist, and teacher, died on March 15, 2002 of metastatic renal cell carcinoma at the age of 56. Keith began his career in experimental pathology studying ischemic injury of the kidney, however he quickly shifted his focus to myocardial ischemic injury, the field in which he went on to make his major scientific contributions. After completing the MD/PhD program at Northwestern University in Chicago, Keith joined the faculty at Duke University in 1975 as Assistant Professor of Pathology. Early in his career, working in collaboration with Dr. Robert B. Jennings, he published landmark studies describing and characterizing the "wavefront phenomenon" of myocardial ischemic cell death. These studies, published in two papers (*Circulation* 56: 786-794, 1977; and *Laboratory Investigation* 40: 633-644, 1979), have been cited more than 1000 times. During the early 1980s, Keith developed methods to measure baseline predictors of infarct size, such as area at risk and collateral flow, that have become the standard for generating reliable and reproducible data to test cardioprotective interventions. The effort to discover cardioprotective interventions led to one of Keith's most notable achievements – the description of one of the strongest and most reproducible interventions for reducing infarct size: ischemic preconditioning. Numerous investigators and laboratories have worked to better understand this remarkably effective intervention, and the ever-expanding number of studies on ischemic preconditioning, in a wide variety of tissues, have consistently confirmed the original observation that brief periods of ischemia and reperfusion are not detrimental, but are actually markedly protective. The original article describing the phenomenon of ischemic preconditioning, "Preconditioning with ischemia: a delay of lethal cell injury in ischemic myocardium" (*Circulation* 74: 1124-1136, 1986) has been cited more than 3700 times (the most cited paper in *Circulation*).

Keith was an active member of the ISHR since 1976, and was elected a Councilor of the American Section in 1979, serving until 1985. He was a finalist for the Richard Bing Young Investigator Award of the ISHR in 1980. Keith served as Secretary of the American Section from 1985-1994, and as a member of the Council of the International Society from 1989-1995. In 1997, he became President-Elect of the American Section and was the sitting President of the American Section, as well as a member of the International ISHR Council, when he died.

About the Award...

Each year, the International Council selects a speaker to deliver the Keith Reimer Distinguished Lecture at the World Congress or at the annual section meeting of one of the six ISHR Sections on a rotating basis. The purpose of this lecture is to honor the memory of Dr. Reimer and to recognize his contributions to cardiovascular research. The topic of the lecture must be in the field of ischemia, coronary hemodynamics, cardiac metabolism, or contractile mechanisms. The speaker receives a plaque and \$1,000 honorarium in addition to travel expenses.

*This award is funded by a generous contribution from
Chugai-Pharmaceutical Co.*



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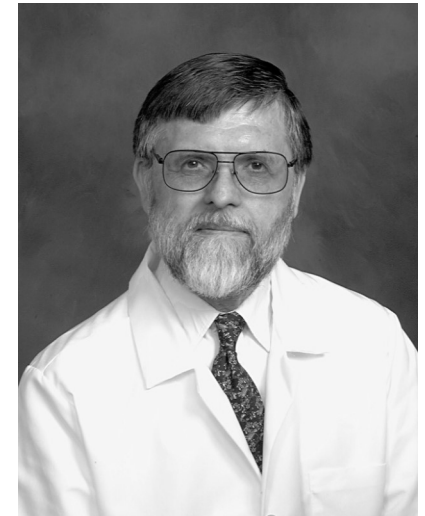
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ISHR

International Society for Heart Research

THE KEITH REIMER DISTINGUISHED LECTURE 2018



Keith Reimer, M.D. 1946-2002



Honored Speaker

Dr. Steven Houser

**"Cardiac Repair
After Ischemic Injury"**

STEVEN HOUSER, PH.D.

2018 HONORED SPEAKER
TOKYO, JAPAN



Dr. Houser is an internationally respected cardiovascular researcher who has been a Temple faculty member for more than three decades. His research group has helped define many fundamental features of the normal cardiac myocyte as well as identified defective molecular and cellular processes that produce abnormal cardiac myocyte function in cardiovascular disease. This group was awarded a five-year, \$11.6 million grant from the National Heart, Lung and Blood Institute of the National Institutes of Health in 2012 to develop new ap-

proaches to prevent, slow or reverse damage to the heart after a heart attack.

Dr. Houser earned his PhD in Physiology and completed a research fellowship at TUSM. He joined the Temple faculty as an Assistant Professor of Physiology in 1979 and was named Director of the Cardiovascular Research Center in 2003 and Chair of Physiology in 2006. He has a long association with the American Heart Association, serving as a board member, Chair of the Research Committee, and President of the Southeastern Pennsylvania Affiliate. He has also served on a number of national AHA committees. He is Past President of AHA 2017-2018.

In addition to being Senior Associate Dean of Research, the Vera J. Goodfriend Endowed Chair of Cardiovascular Research and Director of the Cardiovascular Research Center, Dr. Houser is also Professor and Chair of the Department of Physiology.

Previous Award Winners...

Brian O'Rourke, PhD: 2017

Rodolphe Fischmeister, PhD: 2016

Gerald Dorn, MD: 2015

Fabio Di Lisa, MD: 2014

Karin Sipido, MD, PhD: 2013

Metin Avkiran, DSc, PhD: 2012

Charles Murry, MD, PhD: 2011

Richard Moss, PhD: 2010

Elizabeth Murphy, PhD: 2009

David Eisner, PhD: 2008

Eduardo Marbán, MD: 2007

Garrett Gross, PhD: 2006

Masao Endoh, MD, PhD: 2005

R. John Solaro, PhD: 2004

Gerd Heusch, MD, PhD: 2003

Roberto Bolli, MD: 2002