

## The President's Lecture

In October 2004, the International Council created a new distinguished lecture, named The President's Lecture, which is a highlight of ISHR World Congresses and Section meetings.

The President's Lecture is held at each World Congress of the ISHR and, in non-Congress years, at the annual meeting of one of the ISHR Sections on a rotating basis. This lecture is intended to be a high profile event and is scheduled as a keynote plenary lecture. The International Council selects the speaker. **The topic of the lecture is in the field of molecular biology, genetics, genomics or proteomics, but the content should be chosen to be of broad interest to the cardiovascular community.** The speaker is reimbursed for travel expenses, and receives a plaque and a \$1,000 honorarium. A photograph and biosketch of the speaker is published in *Heart News and Views*, and is posted in the ISHR website.

The President's Lecture enhances the content of the ISHR scientific meetings by providing a high-quality presentation in a topical area that is not covered by other distinguished lecture awards, and reflects the continuing growth of the ISHR as a professional Society. This award is funded by a generous donation from Roberto Bolli, MD, winner of the ISHR 2004 Research Achievement Award, who declined to collect the monetary prize associated with the Award and requested that it be used for this purpose.



# ISHR

International Society for Heart Research

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# ISHR

International Society for Heart Research

## The President's Lecture 2018



Honored Speaker

**Jeffery Molquentin,  
Ph.D.**

**“Mechanism whereby cell  
therapy benefits the heart  
post MI injury”**

## Jeffery D. MolKentin, PhD

2018 Honored Speaker  
Halifax, Nova Scotia

Dr. MolKentin was born in Milwaukee Wisconsin where he also graduated with his PhD from the Medical College of Wisconsin in Milwaukee in 1994. He performed a post-doctoral fellowship with Dr Eric Olson in Texas at UT Southwestern Medical Center (USA) from 1994-1997, followed by his first faculty appointment in 1997 at the Cincinnati Children's Hospital Medical Center of the University of Cincinnati (USA). Dr MolKentin was a Pew Scholar early in his faculty appointment, and he was promoted to full Professor in 2006. In 2008 he was appointed to the Howards Hughes Medical Institute as a full Investigator, which continues to this day.

Dr. MolKentin has published over 380 original articles with a Scopus H-index of 101. He has also won a number of awards such as the Louis N and Arnold M Katz award to young investigators and more recently the Basic Research Prize, both of the American Heart Association. Dr. MolKentin also won the Lucian Award from McGill University, which is a prize for cardiovascular research excellence. He has won the Outstanding Investigator award from the ISHR and he presented the Thomas W. Smith Memorial Lecture for the AHA. He has organized past BCVS meetings of the AHA, we well as organized sci-

entific meetings of the HFSA and ISHR.

Dr MolKentin has placed approximately 22 of his past trainees into academics as laboratory principle investigators and he continues today as a dedicated training mentor for the next generation of cardiovascular researchers in the field. Two of these past trainees won the prestigious Louis N and Arnold M Katz award to young investigators.

Dr. MolKentin's research program continues to focus on cardiovascular disease and basic signaling mechanisms. His larger projects include defining the molecular mechanisms that underlie cell death, with a special interest in mitochondrial-dependent mechanisms of non-apoptotic death. The laboratory is also interested in characterizing the intracellular signaling pathways that control cellular growth, differentiation, and replication in cardiac and skeletal muscle. For example, the laboratory has a strong track record of publications detailing the intracellular signaling effectors (kinases and phosphatases) that underlie the cardiac hypertrophic response or the transition of the heart into dilated failure. The laboratory is also actively engaged in identifying novel secreted protein factors (cytokines, growth factors, chemokines, etc) from the heart that might control disease responsiveness. The laboratory is also actively engaged in studying the cardiac fibroblast and how it functions during disease to alter the extracellular matrix, which impacts heart remodeling. More recently we have also been investigating the cellular mechanisms underlying cardiac repair, either by regulating

cell cycle in cardiomyocytes or interrogating the role of putative cardiac progenitor cells. Finally, the laboratory continues to investigate basic mechanisms of intracellular calcium handling in cardiac and skeletal muscle to further explore the paradigms of excitation-transcription coupling and excitation-signaling coupling. Publications covering these project areas span high impact journals such as *Cell*, *Science*, *Nature*, *Nature Medicine*, and *JMCC*!

### *Previous Award Winners.....*

**Junichi Sadoshima, MD, PhD:** Osaka, Japan 2017

**Thomas Eschenhagen, MD:** Buenos Aires 2016

**Rui-Ping Xiao, MD, PhD:** Bordeaux, France 2015

**Keiichi Fukuda, MD, PhD:** Miami, FL 2014

**Richard N. Kitsis, MD:** San Diego, CA 2013

**Steven Houser, PhD:** Fukuoka, Japan 2012

**Sian Harding, PhD:** Haifa, Israel 2011

**Issei Komuro, MD, PhD:** Kyoto, Japan 2010

**R John Solaro, PhD:** Baltimore, MD 2009

**Gerd Hasenfuss, MD:** Yokohama, Japan 2008

**Jeffrey Robbins, PhD:** Bologna, Italy 2007

**Mark Sussman, PhD:** Toronto, ON 2006