

The ISHR Distinguished Leader Award

The ISHR Distinguished Leader Award is an award of high distinction that is conferred annually to an individual who has made sustained outstanding contributions to accomplishing the mission and advancing the objectives of the ISHR. The selection of the recipient is made solely on the basis of a distinguished and consistent track record of major contributions to the Society, such as leadership roles, activities, and initiatives that have benefited and promoted the ISHR by overcoming problems, developing new programs, and expanding the reach and impact of the Society, at the Section and/or the International levels.

In non-Congress years, the Distinguished Leader Award is presented at the meeting of the Section to which the recipient belongs. The winner receives a \$1,000 honorarium and a plaque. An announcement of this Award is published in *Heart News and Views*, and posted in the ISHR website. The winner receives free registration and reimbursement for travel expenses (up to a maximum of \$1500 when the recipient delivers the lecture at his/her local Section meeting, and \$3,000 when inter-continental travel is required).

Candidates are nominated by current Section Presidents and the President of the International ISHR. The winner is selected by vote of the ISHR-International Council.



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International Society for Heart Research



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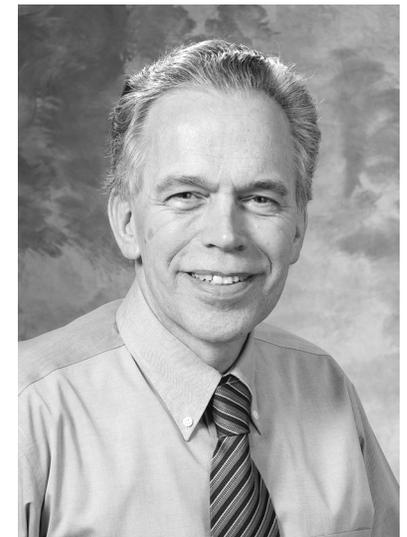
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The Distinguished Leader Award 2018



Award Winner
Dr Richard L Moss

Richard L Moss

2018 Award Winner Halifax, Nova Scotia



Dr. Richard Moss is Rennebohm Research Professor in the Department of Cell and Regenerative Biology and Senior Associate Dean for Research in the School of Medicine and Public Health at the University of Wisconsin. He received his Ph.D. in Physiology and Biophysics from the University of Vermont in

1975, followed by postdoctoral studies with Dr. Fred Julian at the Boston Biomedical Research Institute. In 1979, Dr. Moss was appointed Assistant Professor of Physiology at the University of Wisconsin, where he then served as Chair of Department from 1988 to 2009. During this time, he led the founding of the UW Cardiovascular Research Center and the MS in Biotechnology degree program. Dr. Moss was recipient of an AHA Established Investigator Award, an NHLBI Merit Award, and an honorary Doctor of Medicine degree from Uppsala University.

Dr. Moss is a Fellow of both the ISHR and the AHA and is presently a member of the editorial board of the *Journal of Molecular and Cellular Cardiology*. He has served as a member of the NIH Physiology Study Section, special emphasis panels at NIH, and several AHA review committees. Dr. Moss was previously a member of the AHA Research Program and Evaluation Committee, the AHA Peer Review Committee, and the Executive Council of the Biophysical Society. He organized the 2002 Annual Meeting of the ISHR North American Section held in Madison, WI and subsequently served as President of the North

American Section (2006-2009). Dr. Moss served on the ISHR-International Council from 2003 to 2016 and was Secretary General from 2010 to 2016. He is currently a member of the ISHR Nominating Committee.

As President of the North American Section, Dr. Moss led the introduction of “Interest Areas” as a means for identifying and organizing the principal themes of the section and its meetings. This has continued at the international level as “Theme Topics” for the planning of World Congress programs. During his tenure, the NAS Council decided to hold the North American Section meeting in Congress years in conjunction with and at the site of the World Congress, in support of the ISHR International. The first of these meetings was held during the World Congress in Bologna.

As Secretary General, Dr. Moss was an advocate for holding the triannual World Congress in Buenos Aires (2016) and in Beijing (2019), thereby expanding the reach and impact of the society internationally and energizing those ISHR sections. He also initiated the practice of the Secretary General being more deeply involved in organizing the scientific program as chair of the Scientific Organizing Committee and assisting in developing the business plans for World Congresses in San Diego (2010) and Buenos Aires, and in early stages of planning for the Beijing meeting. These initiatives were undertaken in the interest of scientific continuity from one world congress to the next and to promote the success of each congress both scientifically and fiscally.

Dr. Moss’s research focuses on the roles of myofibrillar accessory and regulatory proteins as modulators of myocardial contraction in health and in acquired and heritable diseases such as heart failure and hypertrophic cardiomyopathies. He has co-authored more

than 175 papers and has supervised over 20 graduate students and post-doctoral fellows who now hold positions in academic medical centers and research institutions around the world. By chemically extracting proteins from permeabilized myocardium, Dr. Moss and his collaborators showed that thick filament proteins such as regulatory light chain and myosin binding protein C modulate the extent and rate of force development. Using knock-out, knock-in and transgenic approaches, they further showed that PKA phosphorylation of MyBP-C is principally responsible for the acceleration of myofibrillar contraction kinetics due to β -adrenergic stimulation. A current theme is that regulation of contraction via Ca^{2+} binding to troponin or the phosphorylation of accessory proteins such as MyBP-C involves modulation of positive cooperativity in the binding of cross-bridges to actin. Dr. Moss’s recent work has focused on mechanisms of contractile dysfunction in hypertrophic cardiomyopathies due to mutations in MyBP-C.

Past Award Winners

Robert Jennings	2009
Edward Lakatta	2010
Masao Endoh	2011
Jutta Schaper	2012
Alicia Mattiazzi	2013
Gerd Heusch	2014
David Hearse	2015
Salvatore Pepe	2016
Masatsugu Hori	2017