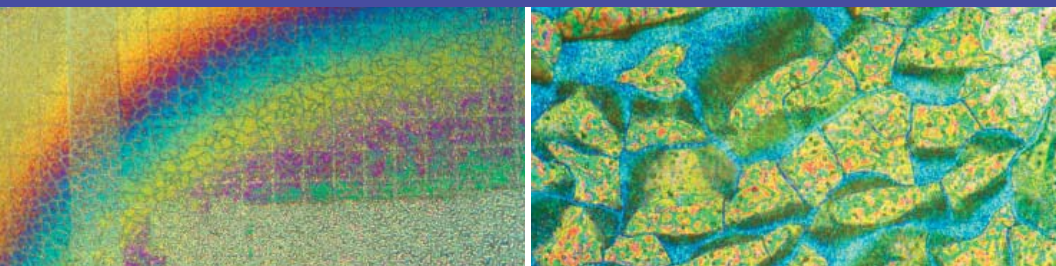


The Medical Research Foundation
Investing in the Future of Biomedical Research in Oregon



2016 Awards Dinner
Discovery, Mentor and
Richard T. Jones New Investigator

November 3, 2016
Collaborative Life Sciences Building
Portland, Oregon

Medical Research Foundation History

The MRF was founded in 1942 by a group of businessmen and physicians for the purpose of stimulating medical research achievement in our state. That first year, the program awarded \$200.

When the MRF became an affiliate committee of the OHSU Foundation in 1994, it retained its own unique purpose in recognizing excellence in both scientific achievement and mentorship throughout Oregon. Today, through philanthropic contributions, the program awards more than \$1 million per year to support exceptional research projects throughout Oregon and to acknowledge the work of outstanding investigators and mentors. Past award winners include some of Oregon's most illustrious scientists and educators.

A gift designated to the MRF endowment is an investment in the future of world-class biomedical research in Oregon. Such gifts provide the MRF with financial resources in perpetuity to keep the quest for new treatments and new knowledge moving ever forward.

The **Richard T. Jones New Investigator Award** honors a new investigator who shows exceptional promise early in a career in biomedical research. Nominees are judged on the basis of independence, quality of science, national funding, and first or senior authored publications in peer-reviewed biomedical research journals. The culmination of the research must have been performed in Oregon.

The **Mentor Award** is given to an Oregonian who has provided outstanding leadership in support or development of health research, education or the advancement of health care.

The **Discovery Award** is given to an Oregon scientist who has made significant, original discoveries to health-related research while working in Oregon.

Nominations for all awards are sought from Oregon research, educational and health care institutions, individual researchers, educators and practitioners.

Program

5:30 p.m. **Gathering and Reception**

6:30 p.m. **Awards Presentation and Dinner**
Welcome by M. Susan Smith, Ph.D.
Chair, MRF Committee

Award Presentations

Richard T. Jones New Investigator Award
Oleh Taratula, Ph.D.
Assistant Professor, Pharmaceutical Sciences
College of Pharmacy, Oregon State University
Award Presented By Theresa Flitz, Ph.D.

Mentor Award
Richard Stouffer, Ph.D.
Professor and Senior Scientist
Division of Reproductive and Developmental Sciences
Oregon National Primate Research Center
Oregon Health & Science University
Award Presented by Jon Hennebold, Ph.D.

Discovery Award
Stephen Back, M.D., Ph.D.
Professor, Pediatrics, Neurology, and
Anesthesiology-Critical Care Medicine
OHSU Doernbecher Children's Hospital
Award Presented By Markus Grompe, M.D.

Special Remarks
Daniel M. Dorsa, Ph.D.
Senior Vice President for Research
Oregon Health & Science University

2016 Richard T. Jones New Investigator Award



Oleh Taratula, Ph.D.

*Assistant Professor, Pharmaceutical Sciences
College of Pharmacy
Oregon State University*

The MRF Committee recognizes Oleh Taratula, Ph.D., with the 2016 Richard T. Jones New Investigator Award. Dr. Taratula is an assistant professor of pharmaceutical sciences in the College of Pharmacy at Oregon State University. The major focus of his research is the development of multifunctional nanomedicine platforms that can detect and kill cancer cells using novel combinatorial therapeutic modalities.

The biological processes that drive life unfold at the nanoscale—and these include the processes that drive cancer. Dr. Taratula's work in nanotechnology allows him to understand and exploit the molecular processes of cancer as they happen in real time. This work is important because delivering therapeutic and diagnostic agents directly to cancer sites can both improve treatment and reduce side effects of treatment. Thus, Dr. Taratula's goal is to provide oncologists with nanotechnology approaches that can be used both for delineating tumors with real-time fluorescence signals during surgery and for targeted treatment to further eliminate unresected disease sites. Recent work has addressed ovarian and lung cancer. His research accomplishments have been recognized with numerous awards, including the CRS Outstanding Pharmaceutical Paper Awards (2010 and 2011).

Dr. Taratula received his Ph.D. at Rutgers, The State University of New Jersey, in the labs of Dr. Huixin He and Dr. Tamara Minko. In addition to his appointment at Oregon State, he also holds an appointment as an adjunct faculty member in the Department of Bioengineering, School of Medicine, at OHSU.

2016 Mentor Award



Richard L. Stouffer, Ph.D.

*Professor and Senior Scientist
Division of Reproductive and Developmental Sciences
Oregon National Primate Research Center
Oregon Health & Science University*

The MRF Committee recognizes Richard Stouffer, Ph.D., with the 2016 Mentor Award for his exemplary work as a scientist and mentor.

Since his dissertation research in the laboratory of Dr. David Schomberg, departments of physiology and obstetrics and gynecology at Duke University in the 1970s, Dr. Stouffer's primary research focus has been on understanding the structure, function and regulation of the ovary to improve women's reproductive health. In 1985, he joined the Oregon National Primate Research Center to take advantage of its exceptional nonhuman primate resources and support services, its outstanding faculty studying reproductive biology—and the opportunity to train graduate students and fellows.

Dr. Stouffer has a deep commitment to mentoring students, fellows, and young faculty, and the international success of his trainees is a distinguished legacy. He has mentored over 40 graduate students and postdoctoral fellows, and as division chief, he was actively involved in mentoring early-career faculty from across OHSU. He continues his work as advisor and mentor. In August 2015, Dr. Stouffer became scientific director of the NIH-funded WRHR (Women's Health) Scholar Program in the Department of Obstetrics and Gynecology in the School of Medicine, OHSU.

Dr. Stouffer served as chief of the Division of Reproductive and Developmental Sciences at the Oregon National Primate Research Center from 1996 to 2014. He maintains an active laboratory at ONPRC and holds joint appointments in the departments of obstetrics and gynecology and physiology and pharmacology at OHSU. He has won many awards, including honors from the Society for the Study of Reproduction (2007) and the American Society for Reproductive Medicine (ASRM Distinguished Researcher Award, 2010).

2016 Discovery Award



Stephen A. Back, M.D., Ph.D.

*Professor, Pediatrics, Neurology, and
Anesthesia-Critical Care Medicine
OHSU Doernbecher Children's Hospital*

The MRF Committee recognizes Stephen Back, M.D., Ph.D., with the 2016 Discovery Award for his seminal work in the molecular pathways of brain repair.

Dr. Back is professor of pediatrics, neurology, and anesthesiology-critical care medicine at OHSU Doernbecher Children's Hospital. He is director of the Division of Pediatric Neuroscience and holds the Clyde and Elda Munson Professorship in Pediatric Research. Dr. Back's early work, while studying with Dr. Joseph Volpe at Boston Children's Hospital, defined cellular and molecular mechanisms of preterm brain injury related to cerebral palsy. These discoveries led to the present focus of his lab: Developing strategies to promote regeneration and repair of chronic brain injury in preterm infants and adults that arises after stroke.

Dr. Back's lab has provided unexpected insights into the remarkable potential of the preterm brain to repair itself after injury. This work has led to the discovery of new molecular pathways that prevent brain repair after injury. By defining the roadblocks to repair, Dr. Back's lab has been able to focus on developing promising new drugs to circumvent maladaptive responses of the brain that impede repair. These studies have broad relevance to several adult brain disorders, from multiple sclerosis to vascular cognitive impairment and dementia related to aging. These adult conditions, surprisingly, share many common features with the disturbances in brain repair pathways identified in preterm infants.

Dr. Back received his B.A. from Pomona College, and his M.D. as well as his Ph.D. in pharmacology from the University of California, Irvine. He is a recipient of a Young Investigator Award from the Child Neurology Society, a Bugher Award from the American Heart Association and a Javits Merit Award from the National Institute of Neurological Disorders and Stroke.

Previous Richard T. Jones New Investigator Award Recipients

2015

Michael S. Cohen, Ph.D.
Oregon Health & Science University

Brad J. Nolen, Ph.D.
University of Oregon

2014

Joshi J. Alumkal, M.D.
Oregon Health & Science University

2013

Jennifer E. DeVoe, M.D.
Oregon Health & Science University

2012

Bonnie Nagel, Ph.D.
Oregon Health & Science University

2011

Hui Zong, Ph.D.
University of Oregon

2010

Kevin L. Winthrop, M.D.
Oregon Health & Science University

2009

Joseph W. Thornton, Ph.D.
Center for Ecology & Evolutionary Biology
University of Oregon

2008

Rosalie C. Sears, Ph.D.
Oregon Health & Science University

Previous Mentor Award Recipients

2015

Peter Harmer, Ph.D., M.P.H., A.T.C.
Willamette University

2014

Fay B. Horak, Ph.D.
Oregon Health & Science University

2013

Saturday Academy
Portland, Oregon

2012

Christopher Minson, Ph.D.
University of Oregon

2011

J. Gary Tallman Ph.D.
Willamette University

2010

Richard H. Goodman, M.D., Ph.D.
Oregon Health & Science University
Christine A. Tanner, Ph.D., R.N., F.A.A.N.
Oregon Health & Science University

2009

David and Lynn Frohnmayer
Fanconi Anemia Research Fund

2008

Stephen W. Arch, Ph.D.
Reed College

2007

Kevin G. Ahern, Ph.D.
Oregon State University

2006

Thomas M. Becker, M.D., Ph.D.
Oregon Health & Science University
M. Susan Smith, Ph.D.
Oregon Health & Science University

2005

Lesley M. Hallick, Ph.D.
Oregon Health & Science University

2004

Cynthia Morris, Ph.D., M.P.H.
Oregon Health & Science University

2003

Christopher L. Cunningham, Ph.D.
Oregon Health & Science University

2002

Kathleen Potempa, R.N., D.N.Sc., F.A.A.N.
Oregon Health & Science University

Laurens N. Ruben, Ph.D.
Reed College

2001

Thomas G. Cooney, M.D., F.A.C.P.
Oregon Health & Science University

2000

John A. Benson, Jr., M.D.
Oregon Health & Science University
Kent L. Thornburg, Ph.D.
Oregon Health & Science University

1999

Joseph D. Bloom, M.D.
Oregon Health & Science University

1998

Carol A. Lindeman, Ph.D., R.N., F.A.A.N.
Oregon Health & Science University

1997

J. S. Reinschmidt, M.D.
Oregon Health & Science University

1996

Kenneth Swan, M.D.
Oregon Health & Science University

1995

J. David Bristow, M.D.
Oregon Health & Science University

1994

Peter O. Kohler, M.D.
Oregon Health & Science University

1993

John Raaf, M.D.
Good Samaritan Hospital

1992

John W. Kendall, M.D.
Oregon Health & Science University

Previous Mentor Award Recipients

1991

Robert D. Koler, M.D.
Oregon Health & Science University

1990

Edward H. Cooley
Medical Research Foundation of Oregon

1988

Leonard Laster, M.D.
Oregon Health & Science University

1987

Edward Herbert, Ph.D.
Oregon Health & Science University

1986

Senator Mark O. Hatfield

Previous Discovery Award Recipients

2015

Judith S. Eisen, Ph.D.
University of Oregon

2014

George S. Bailey, Ph.D.
Oregon State University

2013

P. Andrew Karplus, Ph.D.
Oregon State University

Eric Orwoll, M.D.
Oregon Health & Science University

2012

Joseph S. Beckman, Ph.D.
Oregon State University

2011

Chris Q. Doe, Ph.D.
University of Oregon

Gail Mandel, Ph.D.
Oregon Health & Science University

2010

Shoukhrat M. Mitalipov, Ph.D.
Oregon Health & Science University

2009

J. Eric Gouaux, Ph.D.
Vollum Institute
Oregon Health & Science University

2008

Lynn Y. Sakai, Ph.D.
Shriners Hospitals for Children and
Oregon Health & Science University

2007

Markus Grompe, M.D.
Oregon Health & Science University

John H. Postlethwait, Ph.D.
University of Oregon

2006

Susan J. Hayflick, M.D.
Oregon Health & Science University

2005

Balz Frei, Ph.D.
Oregon State University

David Kabat, Ph.D.
Oregon Health & Science University

2004

P. Michael Conn, Ph.D.
Oregon Health & Science University

James D. White, Ph.D.
Oregon State University

2003

*James R. Bunzow, M.S.
*David K. Grandy, Ph.D.,
Oregon Health & Science University

John D. Scott, Ph.D.
Oregon Health & Science University

2002

Monte Westerfield, Ph.D.
University of Oregon

2001

P. Shing Ho, Ph.D.
Oregon State University

James T. Rosenbaum, M.D.
Oregon Health & Science University

2000

David A. Lieberman, M.D.
Oregon Health & Science University

1999

Brian J. Druker, M.D.
Oregon Health & Science University

Roger D. Cone, Ph.D.
Oregon Health & Science University

1998

Dennis E. Hruby, Ph.D.
Oregon State University

Charles B. Kimmel, Ph.D.
University of Oregon

1997

J. David Bristow, M.D.
Oregon Health & Science University

Tom H. Stevens, Ph.D.
University of Oregon

1996

Scott H. Goodnight, M.D.
Oregon Health & Science University

R. Michael Liskay, Ph.D.
Oregon Health & Science University

Previous Discovery Award Recipients

1995

John C. Crabbe, Jr., Ph.D.
Oregon Health & Science University

Edward A. Neuwelt, M.D.
Oregon Health & Science University

1994

John M. Barry, M.D.
Oregon Health & Science University

*Alfred J. Lewy, M.D., Ph.D.

*Robert L. Sack, M.D.
Oregon Health & Science University

1993

Richard H. Goodman, M.D., Ph.D.
Oregon Health & Science University

R. Ellen Magenis, M.D.
Oregon Health & Science University

1992

M. René Malinow, M.D.
Oregon Regional Primate Research Center

Josef Rosch, M.D.
Oregon Health & Science University

1991

William M. Bennett, M.D.
Oregon Health & Science University

Frederick W. Dahlquist, Ph.D.
University of Oregon

1990

Grover C. Bagby, Jr., M.D., V.A.M.C.
Oregon Health & Science University

Roderick A. Capaldi, D.Phil.
University of Oregon

1989

Richard T. Jones, M.D., Ph.D.
Oregon Health & Science University

Kensal E. van Holde, Ph.D.
Oregon State University

1988

Robert S. Dow, M.D.
Dow Institute, Good Samaritan Hospital

Donald J. Reed, Ph.D.
Oregon State University

1987

William E. Connor, M.D.
Oregon Health & Science University

Brian W. Matthews, Ph.D.
*Institute of Molecular Biology
University of Oregon*

1986

Christopher K. Mathews, Ph.D.
Oregon State University

Peter H. von Hippel, Ph.D.
*Institute of Molecular Biology
University of Oregon*

1985

Monte Greer, M.D.
Oregon Health & Science University

Barbara Iglewski, Ph.D.
Oregon Health & Science University

1984

Howard S. Mason, Ph.D.
Oregon Health & Science University

James Metcalfe, M.D.
Oregon Health & Science University

* joint award

About the Grants

For half a century, the Medical Research Foundation of Oregon has enhanced the quality and quantity of life-science research carried out at Oregon's leading research institutions. Through research grants, early clinical investigator awards and other programs, the MRF each year invests more than \$1 million in innovative biomedical research in the state of Oregon.

By encouraging Oregon scientists to pursue their most innovative ideas, and by fostering a statewide culture of mentorship and lifelong learning, the MRF contributes to the idea that Oregon's total value in the biosciences is worth far more than the sum of its individual parts.

To learn more about how you can support the MRF's mission to promote innovation and discovery in Oregon, please contact the OHSU Foundation at 503-228-1730. To give online, go to www.ohsufoundation.org.

The Medical Research Foundation (MRF) supports promising biomedical exploration and the development of research careers in clinical investigation in Oregon through a program of competitively awarded research grants in excess of \$1 million annually.

New Investigator: Quarterly grants of up to \$40,000 are intended for physicians and scientists who are new to research and are currently without major funding resources.

Emergency Interim Support for Established Investigator: Quarterly grants of up to \$40,000 may be made to support ongoing research when an investigator is between grants and a hiatus would jeopardize the program.

Early Clinical Investigator (ECI): Quarterly grants of up to \$20,000 are intended to further the development of young investigators who interact with human subjects and who are interested in a career in clinical research.

For more information about Medical Research Foundation Awards and Grants or to make a gift in support of the MRF, visit www.mrf-oregon.org.

Medical Research Foundation Committee

2016

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David M. Koeller, M.D.

Peter Mayinger, Ph.D.

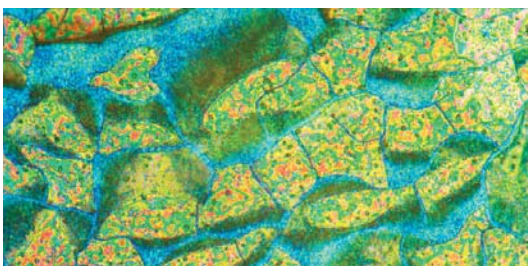
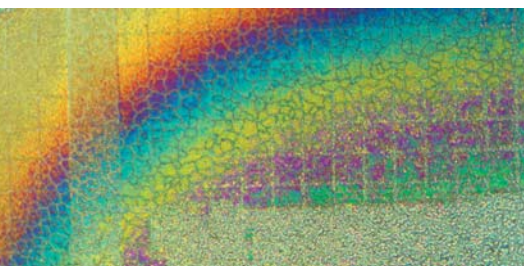
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