

SPOTLIGHT

Ten Elected to National Academy of Sciences



TOP ROW: RALPH ISBERG, TYLER JACKS, G. SHIRLEEN ROEDER, KEVAN SHOKAT, PAUL STERNBERG
BOTTOM ROW: JONATHAN WEISSMAN, S. LAWRENCE ZIPURSKY, MARIAN CARLSON, BALDOMERO OLIVERA, PASCALE COSSART

Seven HHMI investigators, one HHMI senior scientific officer, one HHMI professor, and one HHMI international research scholar were elected to the National Academy of Sciences. The investigators are **Ralph R. Isberg**, Tufts University School of Medicine; **Tyler Jacks**, Massachusetts Institute of Technology; **G. Shirleen Roeder**, Yale University; **Kevan M. Shokat**, University of California, San Francisco; **Paul W. Sternberg**, California Institute of Technology; **Jonathan S. Weissman**, University of California, San Francisco; and **S. Lawrence Zipursky**, University of California, Los Angeles. The senior scientific officer is **Marian B. Carlson**, whose lab is at Columbia University. The HHMI professor is **Baldomero M. Olivera**, University of Utah. The international research scholar is **Pascale Cossart**, Institut Pasteur, Paris, France.

FREDERICK W. ALT, an HHMI investigator at Children's Hospital Boston, received the 2009 William B. Coley Award for Distinguished Research in Basic Immunology given by the Cancer Research Institute. Alt shared this annual award with Klaus Rajewsky of Harvard University.

DAN ARNSTEIN and **ANGELINA GOMES**, both interdisciplinary scholars in an HHMI-funded program at Haverford College, received 2009 Fulbright Scholarships to study abroad.

Seven HHMI investigators, one Janelia Farm Research Campus group leader, and one member of HHMI's scientific review board were elected to the American Academy of Arts and Sciences in April 2009. The investigators are **DAVID A. AGARD**, University of California, San Francisco; **DAVID BAKER**, University of Washington; **G. VANN BENNETT**, Duke University Medical Center; **MARIO R. CAPECCHI**, University of Utah;

SEAN B. CARROLL, University of Wisconsin–Madison; **MARK A. KRASNOW**, Stanford University School of Medicine; and **WAYNE M. YOKOYAMA**, Washington University School of Medicine in St. Louis. The Janelia Farm group leader is **JAMES W. TRUMAN**, and the scientific review board member is **W. JAMES NELSON** of Stanford University.

HHMI investigator **SANGEETA N. BHATIA** of the Massachusetts Institute of Technology was elected to the American Society for Clinical Investigation. She also received a 2009 "Women to Watch" Award from *Mass High Tech: The Journal of New England Technology*.

SEAN B. CARROLL, an HHMI investigator at the University of Wisconsin–Madison, was awarded the 2009 Viktor Hamburger Outstanding Educator Prize from the Society for Developmental Biology for his contributions to developmental biology education.

HHMI investigator **JAMES J. COLLINS** of Boston University received the inaugural Anthony J. Drexel Exceptional Achievement Award from Drexel University for his development of novel medical devices that address complications resulting from diabetic neuropathy.

LISA G. DODSON, an HHMI precollege program director at Oregon Health & Science University, was named the 2009 Oregon Family Doctor of the Year by the Oregon Academy of Family Physicians for her HHMI-funded work with children in rural areas of the state.

HHMI investigator **BRIAN J. DRUKER** of the Oregon Health & Science University was named a European Inventor of the Year 2009 in the area of industry. He shares the award with Jürg Zimmermann of the Novartis Institutes for Biomedical Research for their development of Gleevec to treat chronic myelogenous leukemia.

Isberg: Paul Felters; Jacks: Paul Felters; Roeder: Paul Felters; Shokat: George Nikitin / AP; ©HHMI; Sternberg: Danny Turner; Weissman: Gabriele Lange; Zipursky: Paul Felters; Carlson: Paul Felters; Olivera: Steve Wilson / AP; ©HHMI; Cossart: David Rolfs

EDWARD E. EVANS, a teacher at the Health Sciences and Technology Academy—a West Virginia University program funded by an HHMI precollege grant—was named America's Top Science Teacher by Discovery Education and 3M.

KATHERINE A. HIGH, an HHMI investigator at The Children's Hospital of Philadelphia, received a 2009 Board of Directors' Award from the Foundation for Fighting Blindness. She also is recipient of an International Society on Thrombosis and Haemostasis Investigator Recognition Award.

HHMI investigator **FRIEDHELM HILDEBRANDT** of the University of Michigan Medical School received the 2009 Lillian Jean Kaplan International Prize for Advancement in the Understanding of Polycystic Kidney Disease. Hildebrandt shares the prize with Lisa Guay-Woodford of the University of Alabama at Birmingham and Corinne Antignac of the Necker Hospital in France.

HHMI investigator **RICHARD O. HYNES** of the Massachusetts Institute of Technology received the 2009 Robert J. and Claire Pasarow Award for Cardiovascular Research.

HHMI-funded undergraduate **BRIAN GOH** of Louisiana State University was named to the 2009 USA Today All-USA College Academic First Team.

STEVEN E. JACOBSEN, an HHMI investigator at the University of California, Los Angeles, received the 2009 Charles Albert

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Shaw Prize Goes to Friedman

The 2009 Shaw Prize in Life Science and Medicine was awarded to HHMI investigator **Jeffrey M. Friedman** of The Rockefeller University and Douglas L. Coleman of The Jackson Laboratory for their work leading to the discovery of leptin, a hormone that regulates food intake and body weight. Studying morbidly obese, diabetic mice, Coleman was the first to hypothesize that a hormone was linked to appetite and weight gain. More recently, Friedman used genetic mapping to pinpoint the gene encoding leptin, which was mutated in the mice Coleman studied.



JEFFREY FRIEDMAN

Shull Award from the American Society of Plant Biologists.

HHMI investigator **CHRISTINE JACOBS-WAGNER** of Yale University was recognized by the New York Academy of Sciences as one of six finalists, in the faculty category, for a 2008 Blavatnik Award for Young Scientists.

HHMI President **ROBERT TJIAN**; HHMI Trustee **ALISON F. RICHARD**, vice-chancellor of the University of Cambridge; HHMI investigator **CRAIG C. MELLO** of the University of Massachusetts Medical School; and HHMI medical advisory board member **ROWENA G. MATTHEWS** of the University of Michigan were elected to the American Philosophical Society.

The 2009 Freeman Award from the National Alliance for Research on Schizophrenia and Depression was awarded to HHMI investigator

KERRY RESSLER of the Emory University School of Medicine.

HHMI investigator **CHARLES L. SAWYERS** of Memorial Sloan-Kettering Cancer Center received the 2009 Dorothy P. Landon-AACR Prize for Translational Cancer Research from the American Association for Cancer Research.

LESLIE B. VOSSHALL, an HHMI investigator at The Rockefeller University, won the Lawrence Katz Prize for Innovative Research in Neuroscience.

The 2010 Priestly Medal, the highest honor bestowed by the American Chemical Society, was awarded to HHMI professor **RICHARD N. ZARE** of Stanford University. The honor recognizes Zare's scientific contributions to chemistry as well as his teaching, mentoring, and public service.

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Campbell and Kunkel Share March of Dimes Award



KEVIN CAMPBELL



LOUIS KUNKEL

Kevin P. Campbell, an HHMI investigator at the University of Iowa Roy J. and Lucille A. Carver College of Medicine, and **Louis M. Kunkel**, an HHMI investigator at Children's Hospital Boston, received the 2009 March of Dimes Prize in Developmental Biology. They were chosen to share the prize for their research on muscular dystrophy. More than 20 years ago, Kunkel identified dystrophin, the protein mutated in some forms of muscular dystrophy. Since that discovery, Kunkel and Campbell have further unraveled the molecular mechanisms of muscular dystrophies, leading to the development of several drugs now in clinical trials.