The Norwegian Academy of Science and Letters announces the
CALL FOR NOMINATIONS 2016

THE KAVLI PRIZE

For outstanding scientific research in
ASTROPHYSICS • NANOSCIENCE • NEUROSCIENCE

Nomination deadline: December 1, 2015

Nominations will be reviewed by committees of leading international scientists appointed by

The Norwegian Academy of Science and Letters based on recommendations by

The Chinese Academy of Sciences
The French Academy of Sciences
The Max Planck Society (Germany)
The National Academy of Sciences (US)
The Royal Society (UK)

The Kavli Prize will be awarded in Oslo in September 2016 and will consist of

A gold medal • US $1,000,000 • A scroll

For details about the nomination process see www.kavliprize.org

A partnership of

THE NORWEGIAN MINISTRY OF EDUCATION AND RESEARCH

THE KAVLI FOUNDATION

THE NORWEGIAN ACADEMY OF SCIENCE AND LETTERS
The Linda and Jack Gill Center for Biomolecular Science

The 2015 Gill Symposium and Award Ceremony was held on September 30, 2015 at Indiana University, Bloomington.

2015 Gill Distinguished Award Recipient

GEORGE F. KOOB, PH.D.
Director
National Institute on Alcohol Abuse and Alcoholism
National Institutes of Health

2015 Gill Transformative Investigator Award Recipient

GARRET D. STUBER, PH.D.
Departments of Psychiatry & Cell Biology and Physiology
Neuroscience Center and Bowles Center for Alcohol Studies
University of North Carolina at Chapel Hill

The Linda and Jack Gill Center
702 North Walnut Grove Avenue
Bloomington, Indiana 47405
www.indiana.edu/~gillctr

The #1 Cited Journal in Neuroscience

Read The Journal of Neuroscience every week to keep up on what’s happening in the field.
- The number one cited journal in neuroscience
- The most neuroscience articles published each year—nearly 1,800 in 2011
- Impact factor 7.12
- Published 50 times a year

Learn more about member and institutional subscriptions at JNeurosci.org/subscriptions.

The Journal of Neuroscience
The Official Journal of the Society for Neuroscience

Become part of the world’s largest organization of scientists and physicians devoted to understanding the brain and nervous system.

Join now and enjoy exclusive member benefits:
- Reduced fees and advanced registration for Neuroscience 2015
- Online subscription and reduced publication fees for The Journal of Neuroscience
- Abstract submission eligibility for the annual meeting
- Networking and scientific discussion on NeurOnLine
- Free online access to the European Journal of Neuroscience
- Premium career services through NeuroJobs
- And more!

Join now at SfN.org
The History of Neuroscience in Autobiography Series
Edited by Larry R. Squire
Outstanding neuroscientists tell the stories of their scientific work in this fascinating series of autobiographical essays. Within their writings, they discuss major events that shaped their discoveries and their influences, as well as people who inspired them and helped shape their careers as neuroscientists.

The History of Neuroscience in Autobiography, Vol. 1

The History of Neuroscience in Autobiography, Vol. 2

The History of Neuroscience in Autobiography, Vol. 3

The History of Neuroscience in Autobiography, Vol. 4
Per Andersen, Mary Bunge, Jan Bures, Jean-Pierre Changeux, John Dowling, Oleh Hornykiewicz, Andrew Huxley, Jac Sue Kehoe, Ed Kravitz, James McGaugh, Randolf Menzel, Mircea Steriade, Richard Thompson, W. Maxwell Cowan (completed by Brent Stanfield).

The History of Neuroscience in Autobiography, Vol. 5

The History of Neuroscience in Autobiography, Vol. 6

Autobiographical Video (Available in DVD Format)
PBS personality Richard Thomas interviews eminent senior neuroscientists who reflect upon their lives, their dreams, and their work, and share their insights on what’s ahead in the field of neuroscience.

Julius Axelrod/Theodore H. Bullock
Viktor Hamburger/
Rita Levi-Montalcini
Seymour Benzer/Horace Barlow
Masakazu Konishi/Mortimer Mishkin
Herbert Jasper/Brenda Milner
David Hubel/Forsten Wiesel
Max Cowan/Francis Crick
Gunther Stent/Gerald Edelman

Sydney Brenner/Gerald Fischbach
Michael Posner/William Dement
Nico Le Douarin/Arvid Carlsson
Edward Kravitz/Peter Marler

SfN Society for Neuroscience
SfN members enjoy premium services, including resume posting and job alert e-mail notices.

Have you seen SfN’s enhanced job site?

NeuroJobs — the premier online neuroscience career center — helps you find jobs and manage your career. NeuroJobs is now part of the National Healthcare Career Network® providing access to even more career opportunities.

For your next career search, visit NeuroJobs first!

SfN.org/neurojobs

The National Healthcare Career Network (NHCN) is a consortium of healthcare association job boards working together to provide the most effective recruitment resource.
See You In CHICAGO

Neuroscience 2015

October 17-21
Seeking resources to communicate with the public about neuroscience? Educating others through Brain Awareness activities?

*BrainFacts.org* can help you communicate how the brain works.

Explore *BrainFacts.org* for easy-to-use, accessible resources including:

- Information about hundreds of diseases and disorders
- Concepts about brain function
- Educational tools
- Multimedia tools and a social media community
- Interviews and discussions with leading researchers; and more

Visit *BrainFacts.org*
Automatic Membership Renewal
Now Available

Sign Up for Automatic Membership Renewal

• Save time — Lessen your to-do list

• Go green — Eliminate paper invoices and their impact on the environment

• Uninterrupted membership — Never miss an issue of The Journal of Neuroscience or any of your valuable member benefits

• Bonus Day — Ensure access to your choice of prime housing for the annual meeting before the opening of advance member registration

• Support the field — Know your dues enhance professional development initiatives, public outreach, advocacy, and more

Sign up through “My SfN” at SfN.org
TABLE OF CONTENTS FOR VOLUME 38:

- **Depression: A Decision-Theoretic Analysis**, Quentin J.M. Huys, Nathaniel D. Daw, Peter Dayan
- **Neuronal and Vascular Interactions**, Benjamin J. Andreone, Baptiste Lacoste, Chenghua Gu
- **The Genetics of Neuropsychiatric Diseases: Looking in and Beyond the Exome**, Erin L. Heinzen, Benjamin M. Neale, Stephen F. Traynelis, Andrew S. Allen, David B. Goldstein
- **Visual Guidance in Control of Grasping**, Peter Janssen, Hansjörg Scherberger
- **Neurodegenerative Diseases: Expanding the Prion Concept**, Lary C. Walker, Mathias Jucker
- **Neurological Aspects of Human Glycosylation Disorders**, Hudson H. Freeze, Erik A. Eklund, Bobby G. Ng, Marc C. Patterson
- **Glutamate Synapses in Human Cognitive Disorders**, Lenora Volk, Shu-Ling Chiu, Kamal Sharma, Richard L. Huganir
- **An Integrative Model of the Maturation of Cognitive Control**, Beatriz Luna, Scott Marek, Bart Larsen, Brenden Tervo-Clemmens, Rajpreet Chahal
- **Long-Range Neural Synchrony in Behavior**, Alexander Z. Harris, Joshua A. Gordon
- **Plasticity of Cortical Excitatory-Inhibitory Balance**, Robert C. Froemke
- **The Types of Retinal Ganglion Cells: Current Status and Implications for Neuronal Classification**, Joshua R. Sanes, Richard H. Masland
- **Global Order and Local Disorder in Brain Maps**, Gideon Rothschild, Adi Mizrahi
- **General Cortical and Special Prefrontal Connections: Principles from Structure to Function**, Helen Barbas
- **Cortical Folding: When, Where, How, and Why?**, George F. Striedter, Shyam Srinivasan, Edwin S. Monuki
- **Chemosensory Receptor Specificity and Regulation**, Ryan P. Dalton, Stavros Lomvardas
- **Levels of Homology and the Problem of Neocortex**, Jennifer Dugas-Ford, Clifton W. Ragsdale
- **New Opportunities in Vasopressin and Oxytocin Research: A Perspective from the Amygdala**, Ron Stoop, Chloé Hegoburu, Erwin van den Burg
- **In Search of a Human Self-Regulation System**, William M. Kelley, Dylan D. Wagner, Todd F. Heatherton
- **Cell Types, Circuits, and Receptive Fields in the Mouse Visual Cortex**, Christoph Niell
- **The Brain’s Default Mode Network**, Marcus E. Raichle
WE MADE THEM, WE KNOW THEM:

Tailor-made antibodies for the neuroscientist.

We offer a large collection of well characterized antibodies against neuroscience related proteins. Most of our antibodies are exclusively available at Synaptic Systems and have been developed in-house in close collaboration with renowned experts in the field. Purchase your antibodies directly from the manufacturer and benefit from our experience and expertise.

www.sysy.com