

FINE SURGICAL INSTRUMENTS FOR RESEARCH™

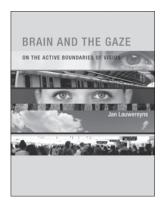


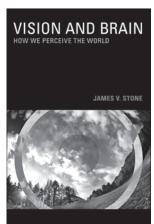
Discover science with Fine Science Tools

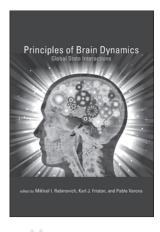
SHIPPING GLOBALLY SINCE 1974

REQUEST A CATALOG AT FINESCIENCE.COM OR CALL 1-800-521-2109









Brain and the Gaze

ON THE ACTIVE BOUNDARIES OF VISION

Jan Lauwereyns

"In this wonderful and unique work, neuroscientist and poet Jan Lauwereyns explores the delicate weave of perception, thought, and action. Using roving gaze as a recurrent fixation-point, Lauwereyns' scan covers not just neuroscience but large swathes of work on phenomenology and embodied cognition." — Andy Clark FRSE, University of Edinburgh; author of Supersizing the Mind

312 pp., 49 illus., \$40 cloth

Vision and Brain

HOW WE PERCEIVE THE WORLD James V. Stone

An engaging introduction to the science of vision that offers a coherent account of vision based on general information processing principles.

296 pp., 25 color illus., 132 b&w illus., \$30 paper

Principles of Brain Dynamics

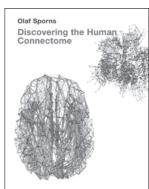
GLOBAL STATE INTERACTIONS edited by Mikhail I. Rabinovich, Karl J. Friston, and Pablo Varona

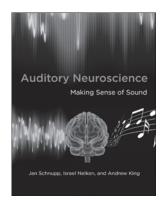
"Coherently focusing on the challenging issues of brain dynamics, both the editors and contributors cover (and explain!) important topics from theoretical models to EEG data mining, from structural complexity to functional dynamic. Principles of Brain Dynamics is an excellent compendium of both methods and ideas, and a must-have volume for those of us interested in brain mechanisms of information transmission."

— György Buzsáki, New York University, School of Medicine; author of *Rhythms of the Brain*

Computational Neuroscience series 360 pp., 36 color plates, 94 b&w illus., \$65 cloth







Biomedical Consulting Agreements

A GUIDE FOR ACADEMICS

Edward Klees and H. Robert Horvitz

"In this valuable guide, lawyer Edward Klees and Nobel-prizing winning researcher H. Robert Horvitz draw on their decades of experience with academic-industry interactions to provide a crisp introduction to key issues, including conflict of interest, confidentiality, intellectual property, and compensation. Written in clear and accessible prose, and with a very practical outlook, it is a must-read for any academic contemplating entering into a consulting arrangement."

— Marc Tessier-Lavigne, President, The Rockefeller University

144 pp., 1 illus., \$30 paper

Discovering the Human Connectome

Olaf Sporns

"This is a wonderful book on a timely and important issue. Olaf Sporns takes us on an insightful, yet quite readable, journey on the promises and challenges offered by seeing the human brain through the lens of its own connectional architecture."

— Maurizio Corbetta, Washington University School of Medicine

224 pp., 17 color plates, 55 b&willus., \$35 doth

now in paper

Auditory Neuroscience

MAKING SENSE OF SOUND

Jan Schnupp, Israel Nelken, and Andrew King

"A valuable guide for the novice and the expert alike."

— Shihab Shamma, University of Maryland, College Park

368 pp., 117 illus., \$30 paper

Fall 2012



California Institute of Technology Faculty Positions in Neuroscience

The California Institute of Technology invites applications for tenure-track professorial positions in the Division of Biology. Positions in Systems Neuroscience are open to investigators studying the neural mechanisms and circuit properties that underlie behavior. Positions in Cellular and Molecular Neuroscience are aimed at applicants whose research programs concern molecular and/or cellular aspects of physiology, behavior, or neural development. Successful applicants are expected to develop innovative research programs and should also have a commitment to undergraduate teaching. Preference will be given to candidates at the Assistant Professor level; however, consideration will also be given to more senior applicants. Initial appointments at the assistant professor level are for four years, and are contingent upon completion of the Ph.D. degree.

Please submit on-line application at http://biology.caltech.edu/Positions

and include a brief cover letter, curriculum vitae, relevant publications, and a description of proposed research. Instructions will be given for submission of letters of reference when you apply on-line. Application deadline is December 15, 2012.

The California Institute of Technology is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

Join the Society for Neuroscience

Are you an SfN member?

Join now and save on annual meeting registration. You'll also enjoy these member-only benefits:

- Abstract submission only SfN members can submit abstracts for the annual meeting
- Lower registration rates and more housing choices for the annual meeting
- The Journal of Neuroscience access The Journal online and receive a discounted subscription on the print version
- Free essential color charges for The Journal of Neuroscience manuscripts, when first and last authors are members
- Free online access to the European Journal of Neuroscience
- Premium services on NeuroJobs, SfN's online career resource
- Member newsletters, including Neuroscience Quarterly and Nexus

If you are not a member or let your membership lapse, there's never been a better time to join or renew. Visit www.sfn.org/joinnow and start receiving your member benefits today.



Share the wonders of the brain and mind with BrainFacts.org

A PUBLIC INFORMATION INITIATIVE OF:









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





Who's on NeurOnLine?







Emma Duerden SfN 2009 Next Generation Award Winner The Hospital for Sick Children

Joanne Berger-Sweeney
SfN's Professional
Development
Committee Co-chair
Tufts University







Erich Jarvis
SfN's Professional
Development
Committee Member
Duke University

Join the Conversation

NeurOnLine is a new, SfN members-only online community where you can share great science, network, forge collaborations, and keep in touch — anytime, anywhere — within a trusted forum. As with the SfN annual meeting and *The Journal of Neuroscience*, *NeurOnLine*'s content and discussions will be generated *by* members, *for* members.

- Discuss emerging scientific findings
- Explore new tools and techniques
- Network year-round within the global community, more than 41,000 members worldwide
- Share experiences and receive or provide mentoring on different career paths, stages, and challenges
- Get involved in public outreach, from Brain Awareness and science teaching to advocacy

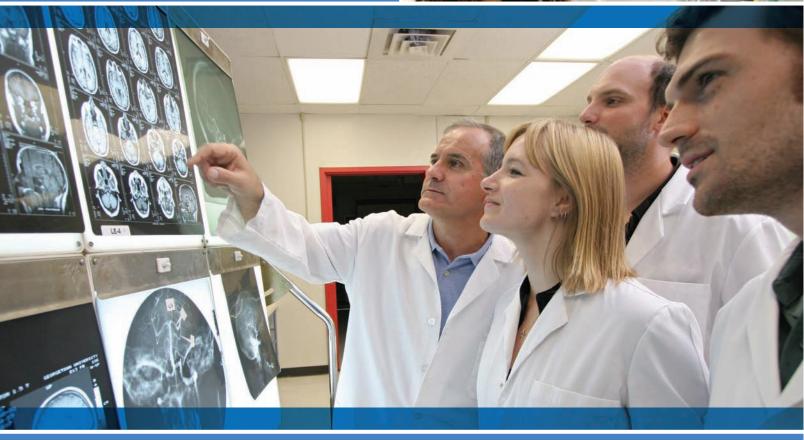
NeurOnLine will help you advance your science and career on your schedule.

neuronline.sfn.org

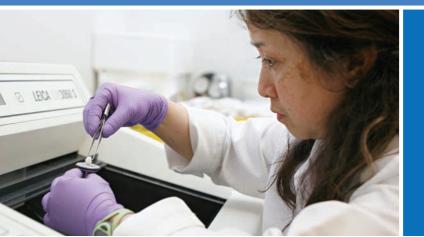
GIVE TO THE FRIENDS OF SfN FUND

Support the next generation of neuroscientists through travel awards and other career development initiatives.





To inquire about specific initiatives, or to make a tax-deductible donation, visit www.sfn.org/supportsfn or e-mail: development@sfn.org.









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!

www.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.



The Journal of Neuroscience

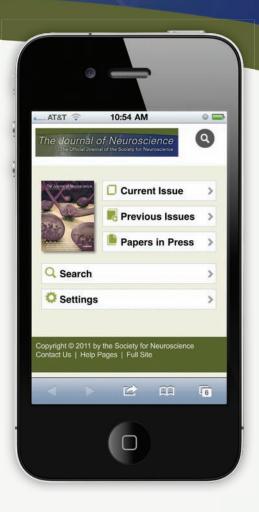
The Official Journal of the Society for Neuroscience

Launched in Summer 2012

The Journal of Neuroscience comes to Mobile Web

Access all of your journal resources wherever you go

- The Journal of Neuroscience is available for comprehensive and universal mobile access.
- Gain quick access to The Journal articles, table of contents, and the features you have come to expect from the premier journal in the field
- Connect to *The Journal* from virtually any mobile device, anywhere a web connection is available





Culture extraordinary neural stem cells.

Stemline® Neural Stem Cell Expansion Media from Sigma® Life Science is tailored for optimal neural stem cell culture.



Biooptimize.

Serum free and produced in a state-of-theart GMP facility with an available Device Master File (DMF), Stemline Neural Stem Cell Expansion Media produces a controlled and consistent environment for both monolayer and neurosphere cultures.



Explore the advantages of Stemline media and request an evaluation sample sigma.com/stemlinensc

©2012 Sigma-Aldrich Co. LLC. All rights reserved. SIGMA and SIGMA-ALDRICH are trademarks of Sigma-Aldrich Co. LLC, registered in the US and other countries. Stemline is a registered trademark of Sigma-Aldrich Co. LLC. Where bio begins is a trademark of Sigma-Aldrich Co. LLC.

