Stimulating neurons any way you choose - anywhere, any shape, anytime, any intensity and any color

Light up neurons
The Movable Objective Microscope (MOM) is a two-photon microscope capable of imaging deep within living specimens when combined with a Ti:Sapphire laser. The MOM design is unique in providing 3-dimensional objective movement and rotation allowing the specimen to remain stationary.

FEATURES

- Customizable open platform design
- Objective moves 22mm in X, Y and Z
- Objective rotates about optical axis for imaging of non-horizontal surfaces and volumes
- Two or four channel detector system with Hamamatsu PMTs and preamplifiers
- Cambridge Technology XY scanners
- National Instruments based data acquisition system

SUTTER INSTRUMENT

PHONE: 415.883.0128 | FAX: 415.883.0572 | EMAIL: INFO@SUTTER.COM | WWW.SUTTER.COM

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 2013
- Online subscription to The Journal of Neuroscience
- Eligibility for abstract submission 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 Department of Health Science and Research, chaired by Steve Kautz, PhD, is searching for a senior faculty member to join a dynamic and growing program. The Department is housed in the Center for Rehabilitation Research in Neurological Conditions (CRRNC), within the College of Health Professions at Medical University of South Carolina in beautiful and historic Charleston, South Carolina. We are seeking an established investigator (Associate or Full Professor) to join a dynamic and productive team of senior investigators and junior faculty members with a research focus in theory-based measurement and treatment of persons with impairments due to stroke, spinal cord injury or other neurological conditions (http://academicdepartments.musc.edu/chp/research/index.htm). The ideal candidate is expected to be transformative, establishing new areas of translational research and new collaborations within the CRRNC and across the University. We place a strong emphasis on the candidate’s ability to build and strengthen collaborations with College of Medicine programs in Neuroscience, Neurology, Neurosurgery, Psychiatry and Bioengineering. Applications from underrepresented minorities are particularly encouraged.

Our research team conducts studies of measurement and treatment in order to develop theoretical frameworks for understanding normal and impaired mechanisms of both control of movement and acquisition of motor behavior. We are particularly interested in researchers with innovative ideas and approaches in the areas of brain-machine interface applied to rehabilitation including the use of electrocorticography; brain stimulation; rehabilitation robotics; upper extremity function and rehabilitation; motor learning; cognitive rehabilitation; and balance and falls. However, all areas of neurorehabilitation will be considered. Candidates must possess a PhD in rehabilitation science, bioengineering or a related field that can contribute to neurorehabilitation. Secondary academic appointments with teaching opportunities are available for qualified applicants, with current members of the research group also holding joint appointments in Physical Therapy, Occupational Therapy and Bioengineering. There are also strong collaborations with the Ralph H. Johnson VA Medical Center and applicants interested in a joint VA research appointment are strongly encouraged to apply (need not be a current VA investigator).

Substantial resources are available for performing innovative neurorehabilitation research. While the research program is based on the concept of shared common core resources, start-up funds and space (more than 1300 additional square feet) are available to establish new laboratories. Current state of the art laboratory facilities (http://academicdepartments.musc.edu/chp/research/laboratories/index.htm) include: Upper Extremity Motor Function Laboratory, Locomotor Energetics and Assessment Laboratory, Locomotor Rehabilitation Laboratory, Motor Performance Laboratory, and Communication and Swallowing Laboratory.
Who’s on NeurOnLine?

Emanuel DiCicco-Bloom
SfN Public Education and Communication Committee Member
Robert Wood Johnson Medical School

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

Erich Jarvis
SfN’s Professional Development Committee Member
Duke University

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

Join the Conversation

NeurOnLine is an 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, nearly 42,000 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
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 S. Kety/Louis Sokoloff
Robert Galambos/Vernon Mountcastle
Eric Kandel/Paul Greengard

Seymour Benzer/Horace Barlow
Masakazu Konishi/Mortimer Mishkin
Herbert Jasper/Brenda Milner
David Habel/Torsten Wiesel
Max Cowan/Francis Crick
Gunther Stent/Gerald Edelman

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

SFN’s History of Neuroscience in Autobiography Video and Book Collections are freely available at SFN.org/history
The Journal of Neuroscience is mobile!

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
Only one name in surgical instruments emerges.

Since 1974, Fine Science Tools has been leading the way in supplying exceptional surgical and microsurgical instruments. These instruments feature strong, durable materials crafted with unrelenting precision and supreme quality – known, preferred and demanded amongst scientists and biomedical researchers worldwide.

Visit us at finescience.com to explore our complete product line, and to locate our offices and dealers around the world.