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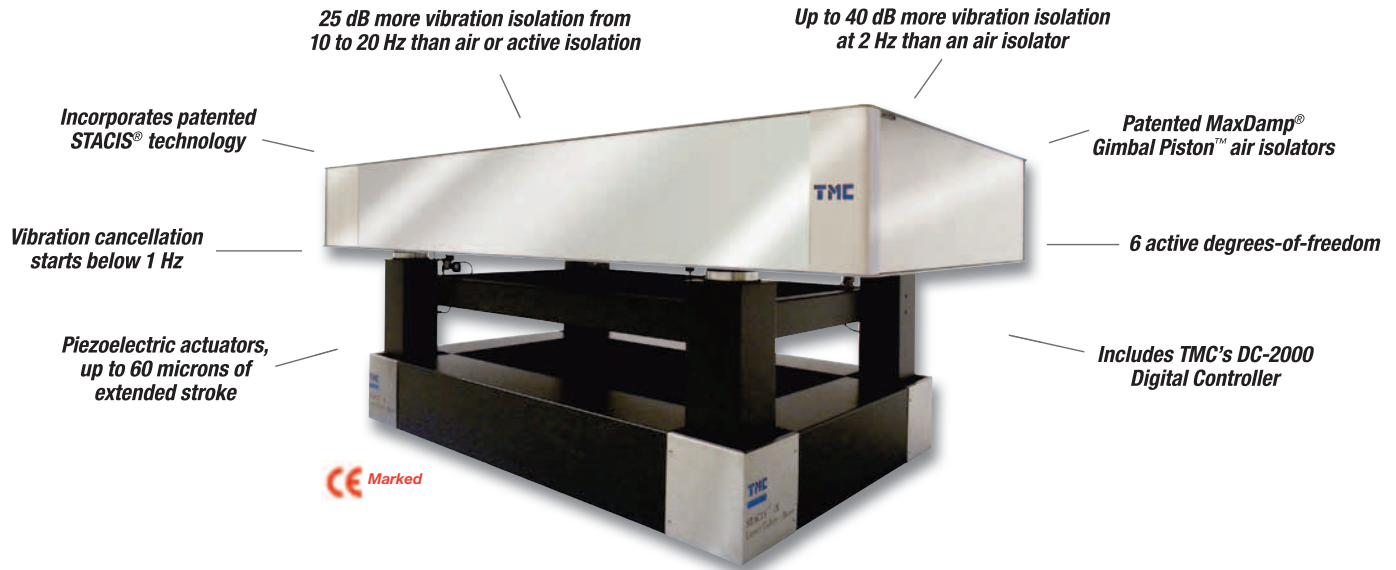


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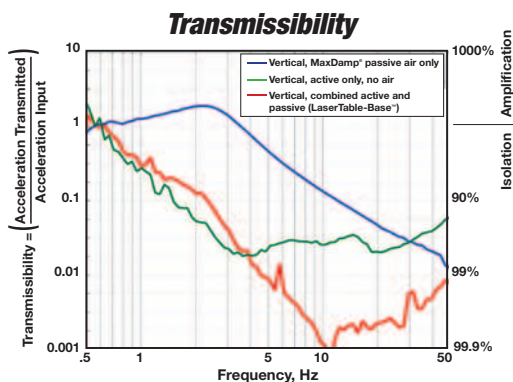


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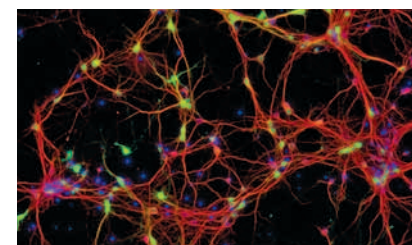


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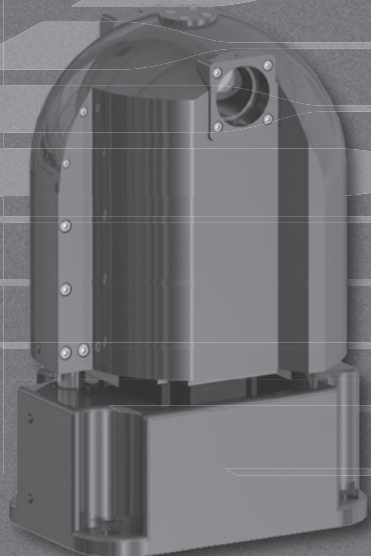
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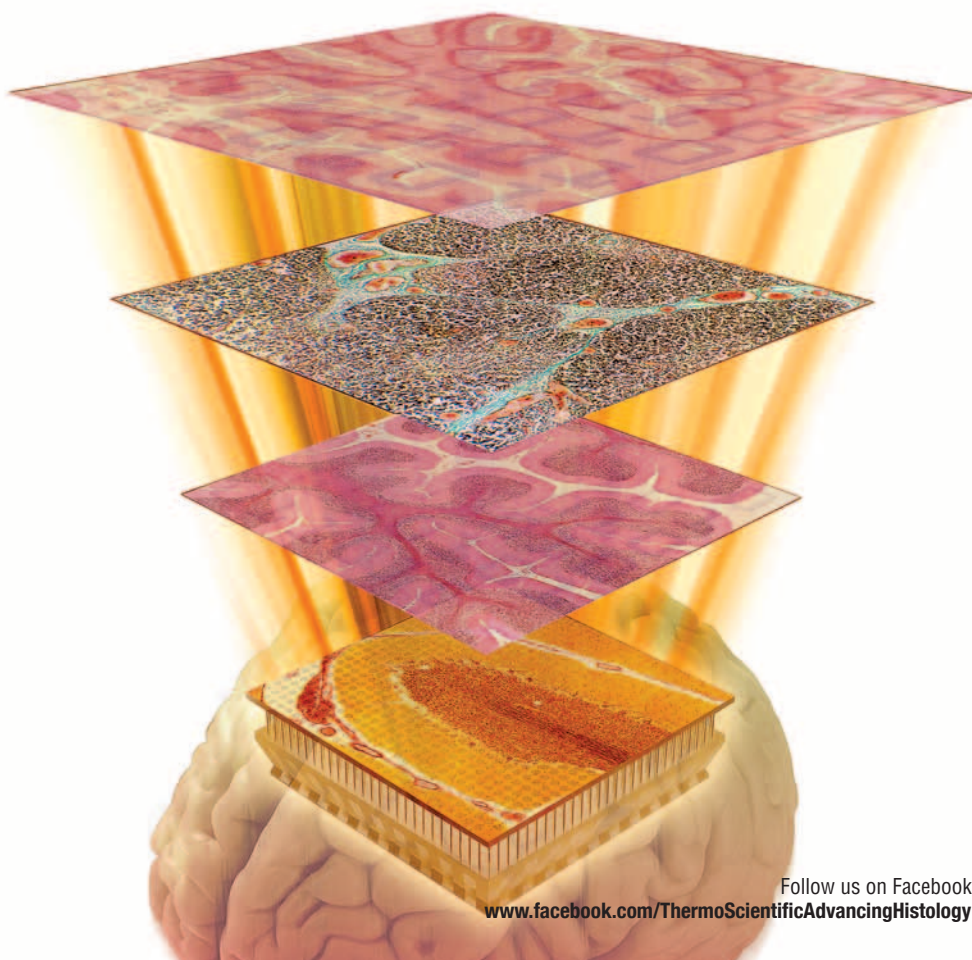
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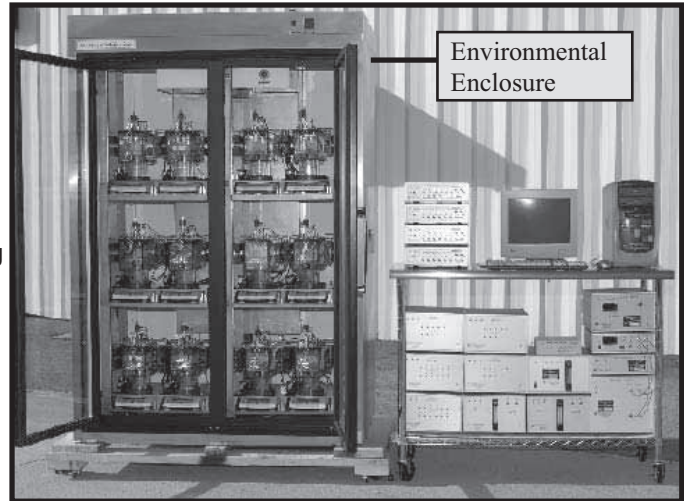
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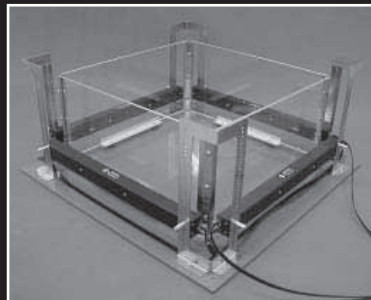
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Animal Activity Monitor

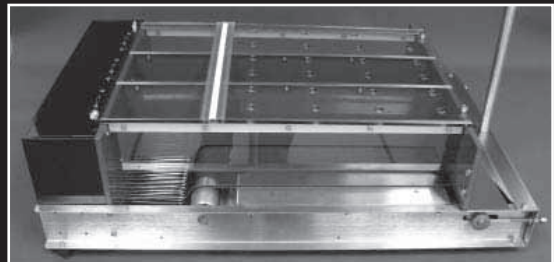
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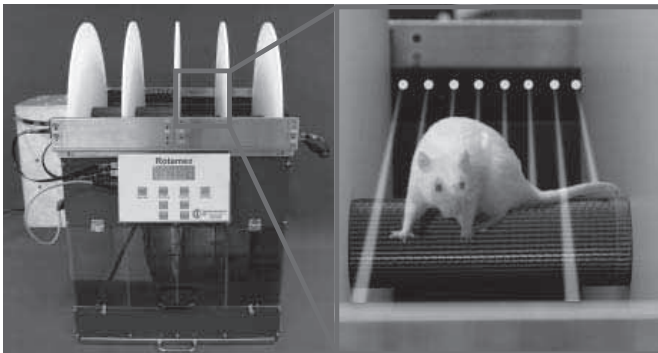


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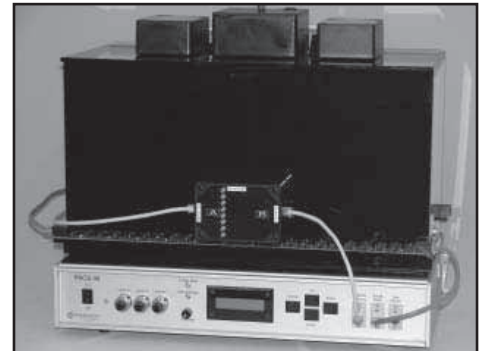


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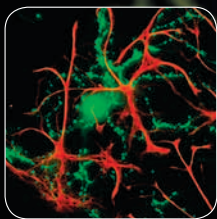
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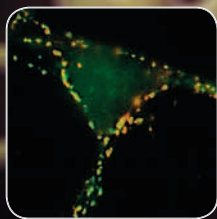
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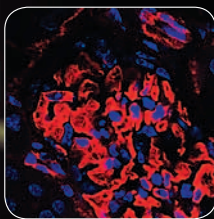

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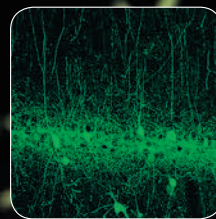
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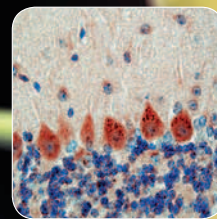
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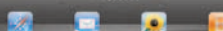
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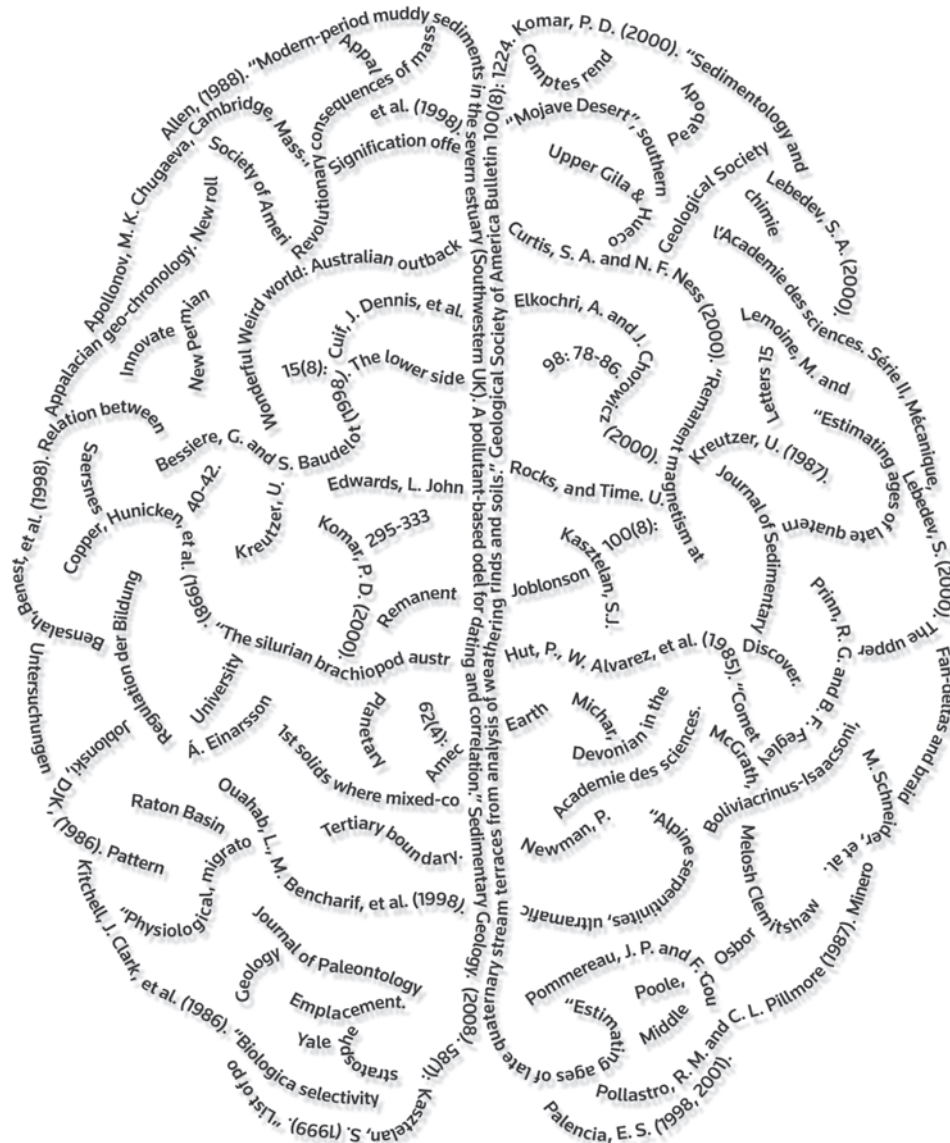
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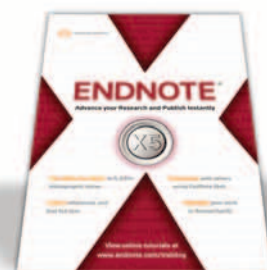

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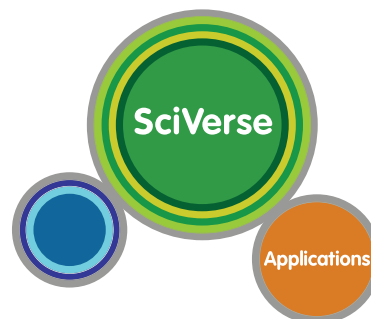


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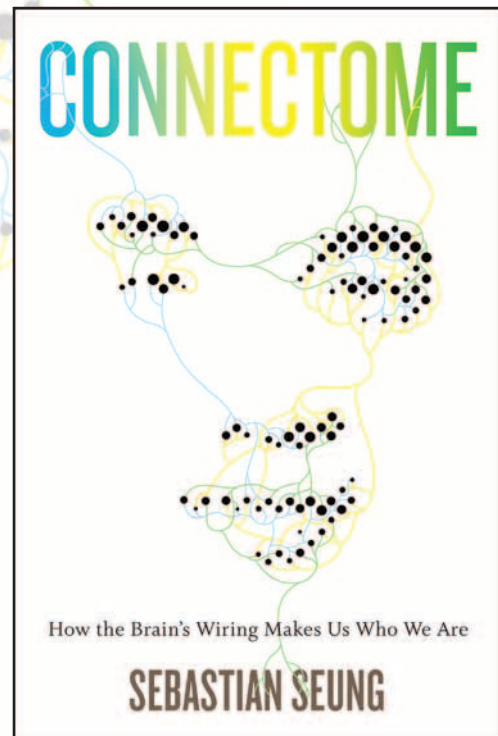
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Sebastian Seung, a dynamic young professor at MIT, is at the forefront of a revolution in neuroscience. He believes that our identity lies not in our genes, but in the connections between our brain cells—our own particular wiring. Seung and a dedicated group of researchers are leading the effort to map these connections, neuron by neuron, synapse by synapse. It is a monumental effort, but if they succeed they will uncover the basis of personality, identity, intelligence, memory, and perhaps disorders such as autism and schizophrenia. Seung explains how this new map of a human "connectome" might even enable us to "upload" our brains to computers, making us effectively immortal.

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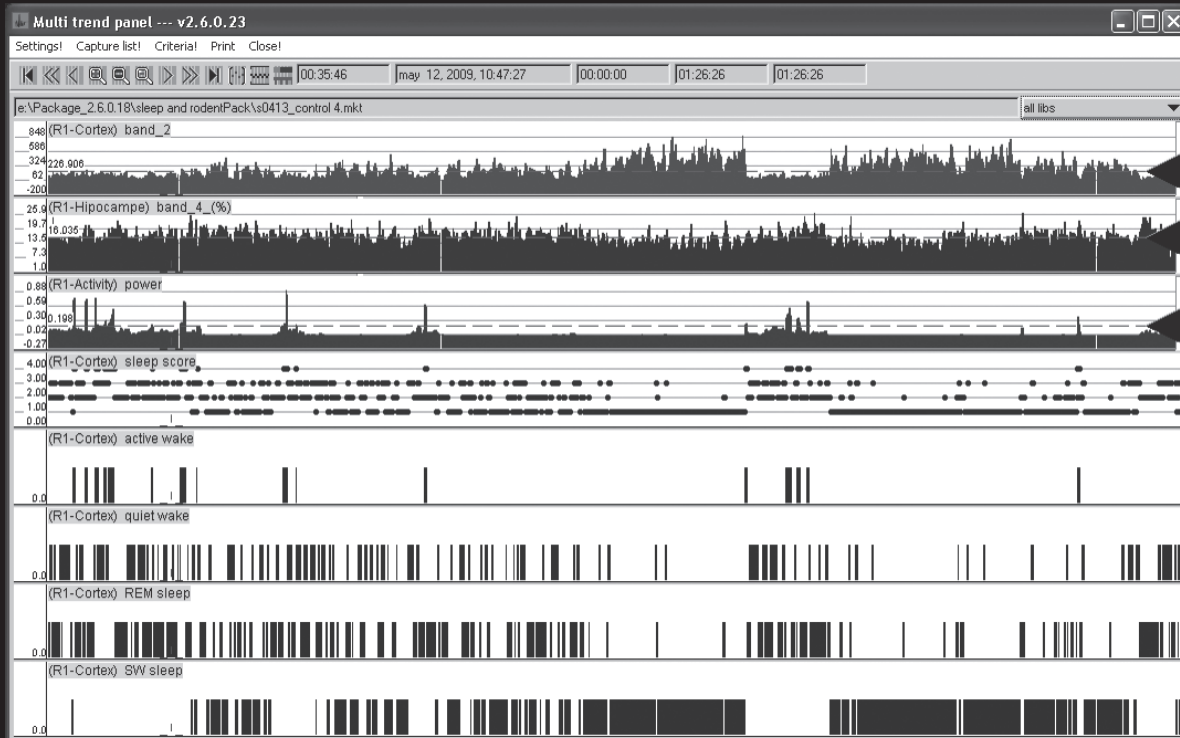
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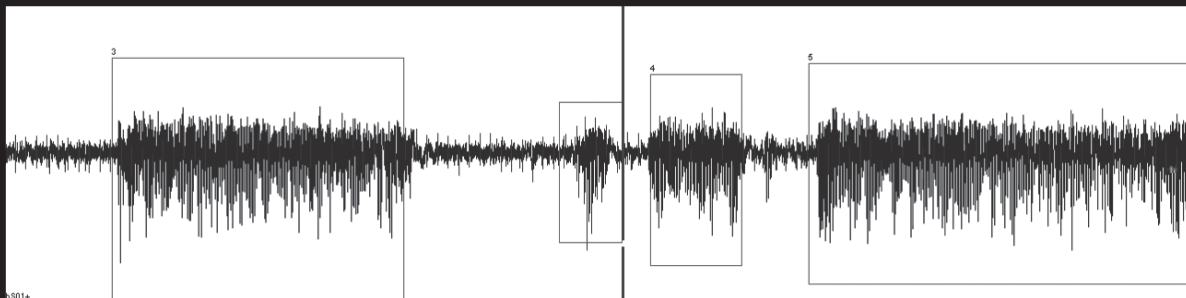


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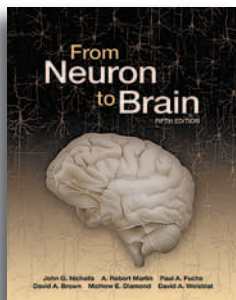
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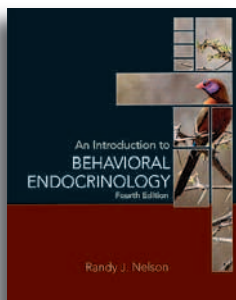
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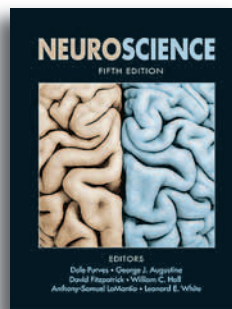
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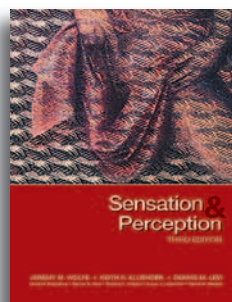
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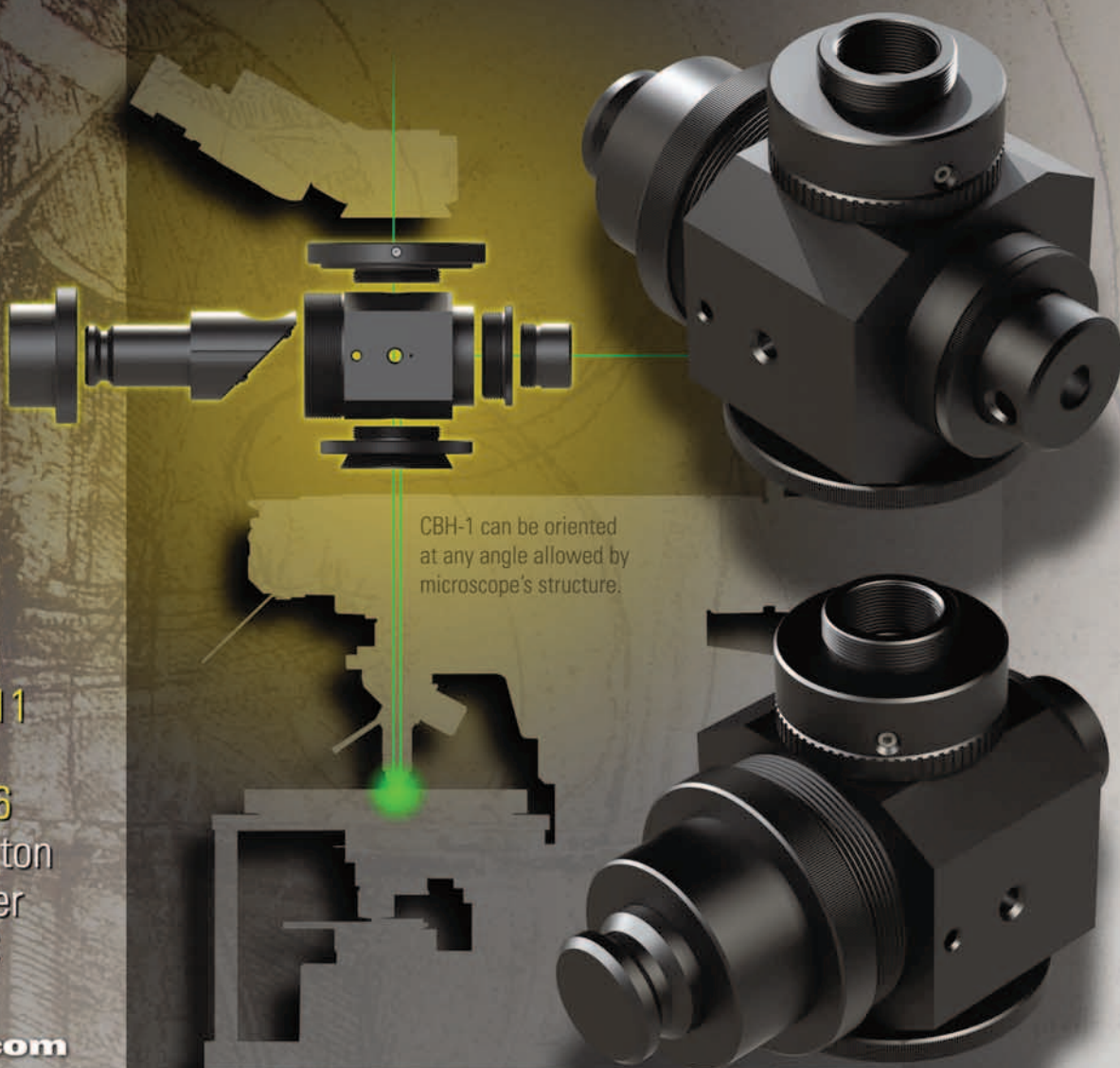
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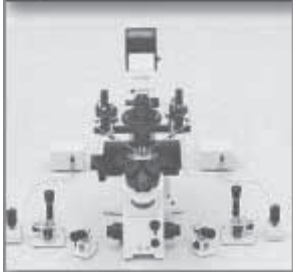
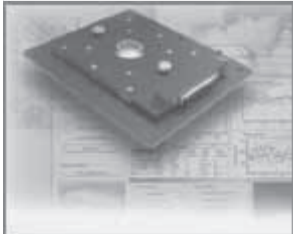
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Sunday, November 13

morning (09:30 - 12:30)

- NineML web app: a web interface for verification and testing of models expressed in the Network Interchange for Neuroscience ML
Nikolic D, Sandström M, and the INCF Multiscale Modeling Task Force
- A simple tool for data sharing and quality control
Haselgrove C, and the INCF Neuroimaging Datasharing Task Force

afternoon (13:30 - 16:30)

- New developments in ModelDB
Morse TM, Wang R, Marengo L, Carnevale NT, Hines ML, Shepherd GM
- Recent advances at the Neuroimaging Platform, the Invertebrate Brain Platform, the Simulation Platform and the integration framework PLATO from the INCF Japan Node
Nota Y, Terufumi F, Kannon T, Okumura Y, Usui S

Monday, November 14

morning (09:30 - 12:30)

- Solutions for Electrophysiology Data Management at the German INCF Node
Sobolev A, Wachtler T
- CRCNS.org - A resource for collaborative research in computational neuroscience
Teeters J, Sommer F

afternoon (13:30 - 16:30)

- Machine-Readable Description of Neuron Types and Properties
Hamilton DJ, Bergamino M, DeFelipe J, Le Novère N, Shepherd GM, Witter MP, Ascoli GA
- Data Management, Information Integration, Knowledge Engineering and Workflow tools for Neuroinformatics from the Biomedical Informatics Research Network (BIRN)
Dinov I, Chervenak A, Schuler R, Ambiente JL, Turner J, Burns GAPC

Tuesday, November 15

morning (09:30 - 12:30)

- Walk-in Registration Clinic: Bringing your images into the INCF Waxholm Space Atlas Infrastructure
Zaslavsky I, Gee J, Ibanez L
- Landmarks of the mouse brain: anchor points for robust 3D data registration to the Waxholm standard mouse atlas, and their representation in the Scalable Brain Atlas
Sergejeva M, Bakker R, Hess A

afternoon (13:30 - 16:30)

- Walk-in Registration Clinic: Bringing your images into the INCF Waxholm Space Atlas Infrastructure (ct.)
Zaslavsky I, Gee J, Ibanez L
- 3D Brain Atlas Reconstructor and Scalable Brain Atlas: open source web-based infrastructure for brain atlas reconstruction and visualization
Wójcik DK, Bezgin G, Majka P, Kowalski JM, Kublik E, Bakker R

Wednesday, November 16

morning (09:30 - 12:30)

- Neuroinformatics Poster Session (#841) in Hall A-C
(no demonstrations scheduled)

afternoon (13:30 - 16:30)

- Open Mini-Hackathon
Developers are welcome to join us for on-site coding and discussion

Satellite event - November 12

Neuroshare Revisited, 6:30-10:00 PM, Room 209B
Walter E. Washington Convention Center
Registration required at neuroshare@incf.org

Social event - November 13

Neuroinformatics & Genomics Social
6:45-8:45 PM, Renaissance 12 - 14

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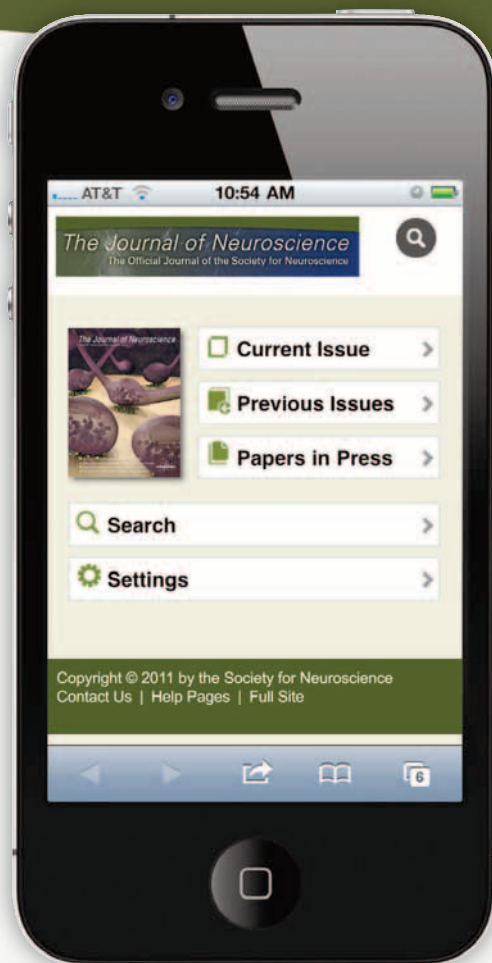
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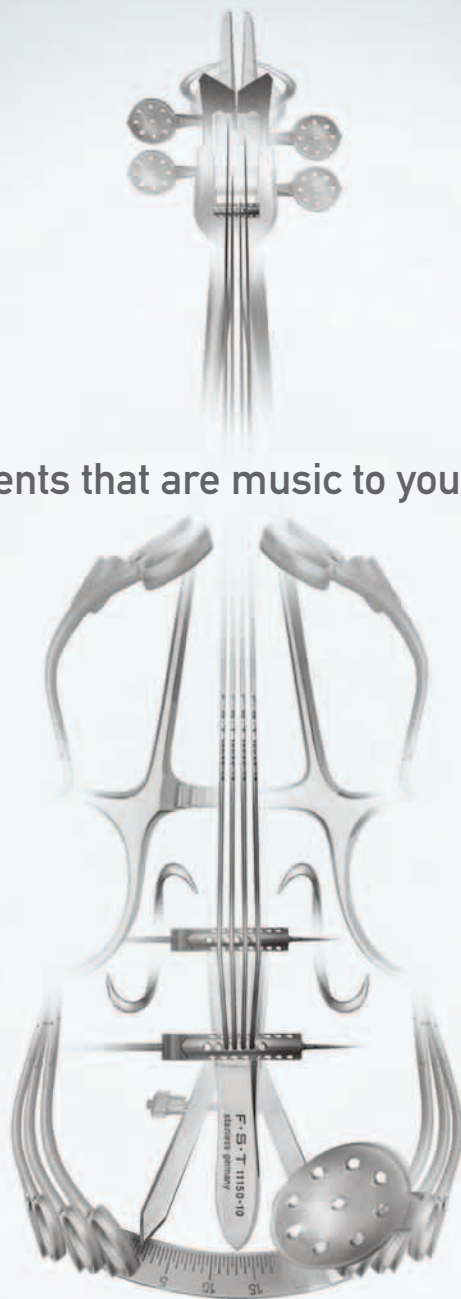


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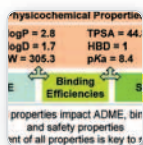
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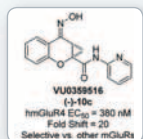
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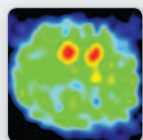
Defining Desirable Central Nervous System Drug Space through the Alignment of Molecular Properties, in Vitro ADME, and Safety Attributes

Travis T. Wager, Ramalakshmi Y. Chandrasekaran, Xinjun Hou, Matthew D. Troutman, Patrick R. Verhoest, Anabella Villalobos and Yvonne Will
ACS Chem. Neurosci., 2010, 1 (6), pp 420–434
DOI: 10.1021/cn100007x



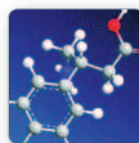
Re-exploration of the PHCCC Scaffold: Discovery of Improved Positive Allosteric Modulators of mGluR4

Richard Williams, Ya Zhou, Colleen M. Niswender, Qingwei Luo, P. Jeffrey Conn, Craig W. Lindsley and Corey R. Hopkins
ACS Chem. Neurosci., 2010, 1 (6), pp 411–419
DOI: 10.1021/cn9000318



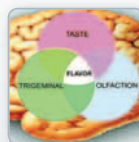
Adenosine A_{2A} Receptor Antagonists and Parkinson's Disease

Brian C. Shook and Paul F. Jackson
ACS Chem. Neurosci., 2011, ASAP
DOI: 10.1021/cn2000537



Fragile X Syndrome: An Update on Developing Treatment Modalities

Aileen Healy, Roger Rush, and Timothy Ocain
ACS Chem. Neurosci., 2011, 2 (8), pp 402–410
DOI: 10.1021/cn200019z



Central Processing of the Chemical Senses: An Overview

Johan N. Lundström, Sanne Boesveldt, and Jessica Albrecht
ACS Chem. Neurosci., 2011, 2 (1), pp 5–16
DOI: 10.1021/cn1000843



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