Are you running Psychology, Neuroscience or Vision experiments using a computer?

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TIMING ERROR MEANS YOUR STUDY MAY NOT BE WORKING AS YOU INTENDED CAUSING SPURIOUS RESULTS. GUARANTEE YOUR ABILITY TO REPLICATE: QUICKLY AND EASILY CHECK YOUR OWN ACCURACY. WORKS WITH ANY COMPUTER-BASED STUDY, EEG, FMRI OR EYE TRACKER.

1. WHAT – If you are a psychologist, neuroscientist or vision researcher who reports timing accuracy in units of a millisecond, then it's likely your timings are wrong! This can lead to replication failure, spurious results and questionable conclusions. The Black Box ToolKit lets you quickly and easily check your own timing accuracy in terms of stimulus presentation; synchronization with other equipment; and RT accuracy.

2. WHY – Modern hardware may be faster but millisecond timing accuracy is becoming harder to achieve: 'millisecond precision' does not equal 'millisecond accuracy'. Precision simply means timings are reported in units of a millisecond, not that they are accurate! Whatever experiment generator you use, it only knows when it requested a stimulus be shown and not the time when it physically appeared.

3. HOW – Currently self-validation of timing accuracy can only be done quickly and easily with a Black Box ToolKit. This acts as a programmable virtual human that can detect and respond to stimulus events with sub-millisecond accuracy. It enables you to check the accuracy of your own paradigm whilst running in-situ on your own equipment by using external sensors, TTL I/O and your own response devices.

To improve replication and enhance credibility all researchers should self-validate, or self-certify, their own studies in terms of millisecond presentation, synchronization and response timing accuracy.

Not ready for a Black Box ToolKit just yet. Our range of standalone USB response pads, voice keys and USB TTL event marking modules can all help improve your timing in any experiment generator!

To find out more about how we could help you improve your research please visit our website, www.blackboxtoolkit.com.

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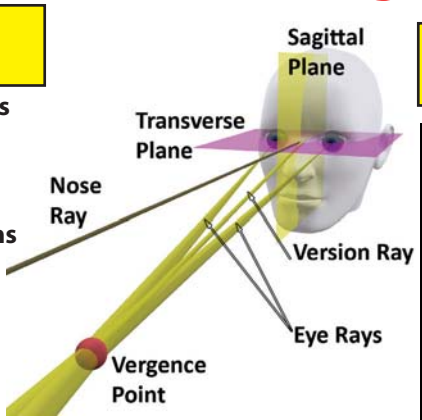

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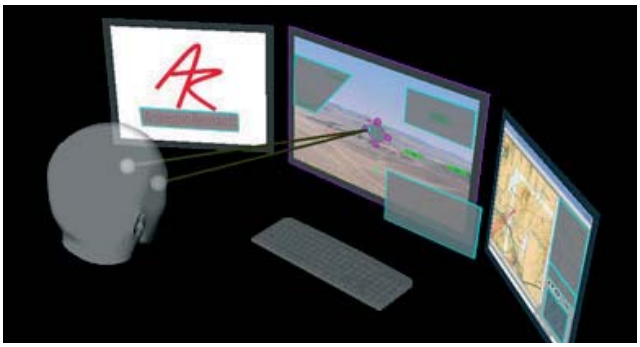

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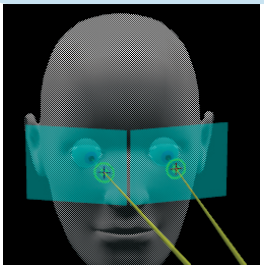

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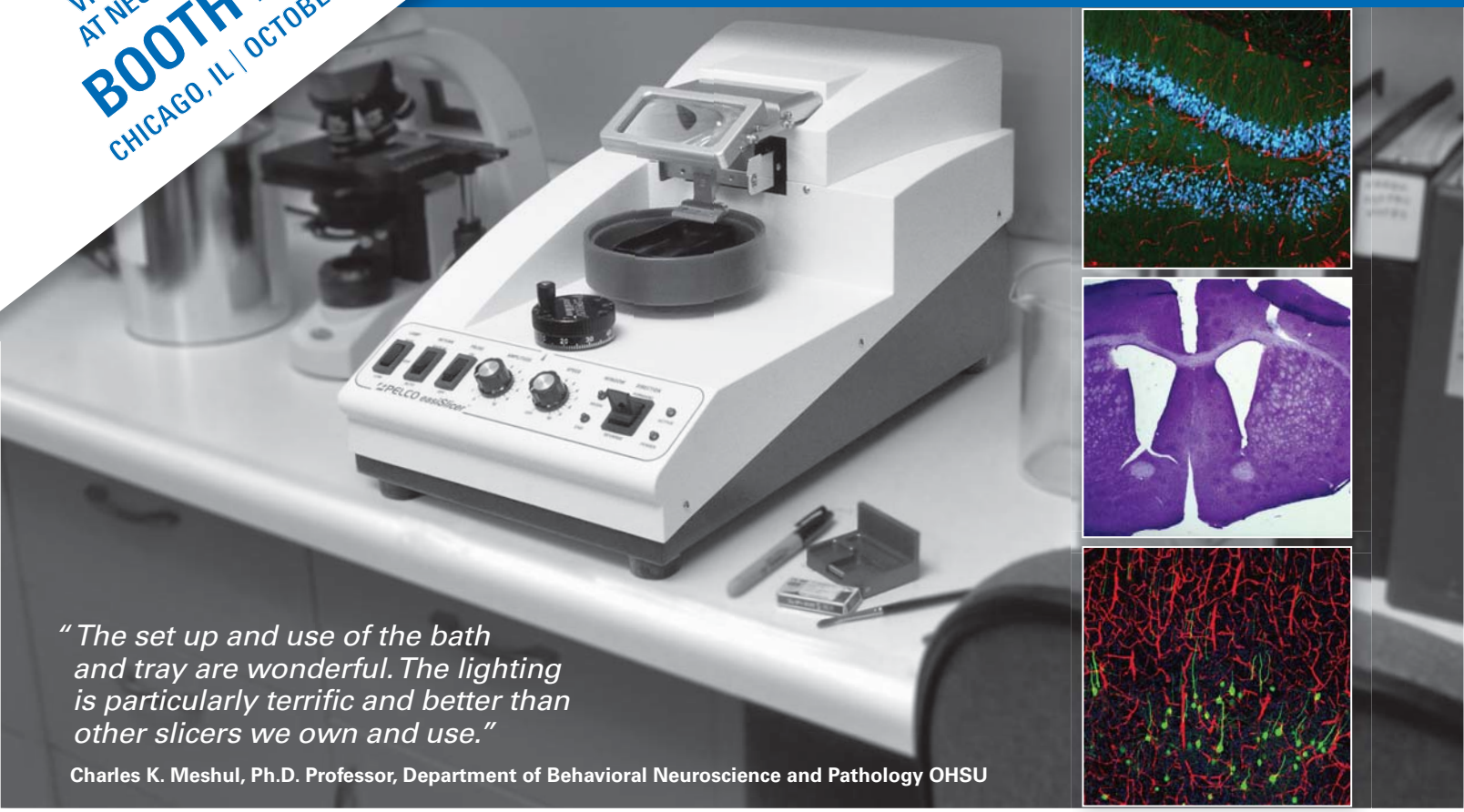

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PRINCIPLES OF NEUROBIOLOGY

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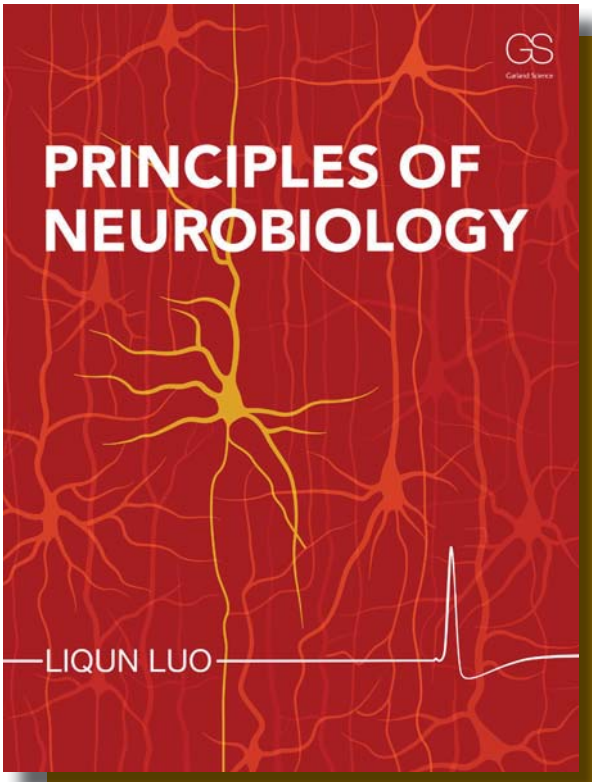

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- The descriptions of key experiments, the figures with data from original literature, and the references to primary papers provide a rich resource for students to understand and utilize primary research.
- Contains many examples of the use of diverse animal models in research, including many from invertebrates.

Visit us at Booth 153 at the Society for Neuroscience meeting in Chicago.

CONTENTS

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Department of Health and Human Services
National Institutes of Health
National Institute of Neurological Disorders and Stroke

Director, Office of Translational Research
National Institute of Neurological Disorders and Stroke

Recent advances in neuroscience have created unprecedented opportunities to develop effective new treatments for the many disorders that affect the nervous system. The National Institute of Neurological Disorders and Stroke (NINDS) is at the forefront of efforts to translate discoveries in basic research into therapeutic interventions for neurological disease. NINDS seeks a Director of its Office of Translational Research (OTR), to lead the development of new therapies and oversee ongoing translational programs centered on biologics, small molecules and devices. The Director will report directly to and advise the NINDS Director on translational programs. The Director will represent the Office of Translational Research at an executive level within NINDS and on the growing trans-NIH and trans-agency translational programs. Programs within the Office of Translational Research include a variety of high-risk, milestone-driven projects that pursue different approaches to therapeutics development. The person recruited for this position will have a major say in what approaches are prioritized. The Director will also work with the NINDS Office of Clinical Research to transition promising therapies into initial studies in patients, work closely with the extramural research community, build partnerships with nonprofit research organizations and companies, and set priorities for the Institute's grants to small businesses (SBIR and STTR).

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NINDS seeks candidates who have a commitment to scientific excellence and the energy, enthusiasm and innovative thinking necessary to lead a dynamic and diverse organization. Applicants must possess an M.D. and/or Ph.D. and have senior-level experience and knowledge of programs in one or more scientific areas related to translational neuroscience research. The successful candidate for this position will have a national and international reputation for accomplishments in translational neuroscience research and will have demonstrated skills, knowledge and experience in therapeutic development, project management, technology transfer and public-private partnerships. Consistent with the required qualifications, the individual will be appointed as a Scientific Executive in Title 42.

How to Apply

Applicants must submit a current Curriculum Vitae, copy of degree, bibliography, full contact details for at least three (3) references in addition to a supplemental narrative statement (no more than two (2) pages) that addresses the required qualifications and interest in the position to Dr. Walter Koroshetz, M.D., Director, NINDS, c/o Joanne Pomponio, NIH, Building 31, Room 8A52, Bethesda, MD 20892. Evaluation of applications will begin on November 1, 2015. The application period will close when a candidate has been selected. The NINDS is one of the Institutes of the National Institutes of Health, a component of the Department of Health and Human Services.

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Associate Editor Conny Kopp-Scheinpflug	Monday, October 19, 11:00 am-12:30 pm
Associate Editor Patsy Dickinson	Tuesday, October 20, 9:30-11:00 am
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www.keystonesymposia.org/16A4
Deadlines: Abstract – Oct 26, 2015; Discounted Registration – Nov 20, 2015

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Scientific Organizers: Ann C. McKee, Ramon Diaz-Arrastia and Lee E. Goldstein

joint with **Axons: From Cell Biology to Pathology**
Scientific Organizers: Giampietro Schiavo, Bruce D. Carter and Rejji Kuruvilla
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Eldorado Hotel & Spa | Santa Fe, New Mexico | USA
www.keystonesymposia.org/16J3 | www.keystonesymposia.org/16J4
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Neurological Disorders of Intracellular Trafficking
Scientific Organizers: Dennis Drayna and Bettina Winckler
January 31–February 4, 2016
Keystone Resort | Keystone, Colorado | USA
www.keystonesymposia.org/16A7
Deadlines: Abstract – Nov 2, 2015; Discounted Registration – Dec 1, 2015

State of the Brain
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May 22–26, 2016
Alpbach Congress Centrum | Alpbach | Austria
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Common Mechanisms of Neurodegeneration
Scientific Organizers: Bradley T. Hyman, Adriano M. Aguzzi and Ricardo E. Dolmetsch

joint with **Microglia in the Brain**
Scientific Organizers: Beth Stevens and Richard M. Ransohoff
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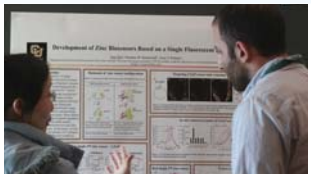

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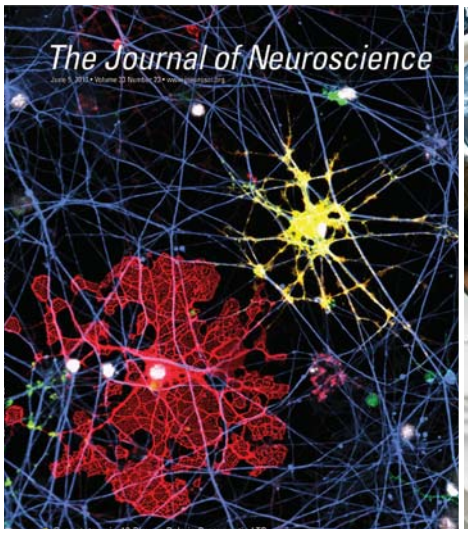


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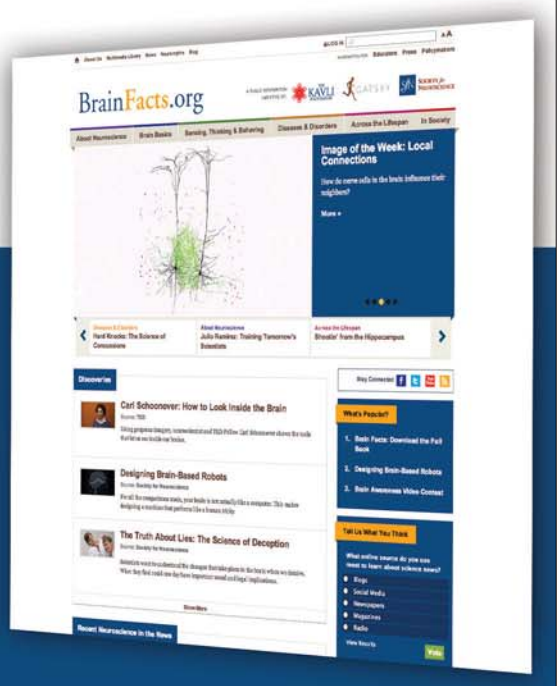

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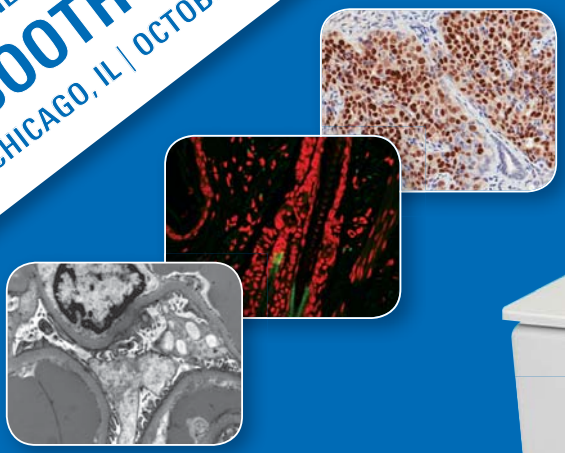

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1 Plenary Lectures

Richard Morris (The University of Edinburgh) ☼
Wolfram Schultz (University of Cambridge) ☼
Richard W. Tsien (New York University)

2 Special Lectures

Semir Zeki (University College London) ☼
Colin F. Camerer (California Institute of Technology) ☼
Kozo Kaibuchi (Nagoya University)

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3 Special Program

Carol Ann Mason (Columbia University)

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Symposia Planned by Program Committee
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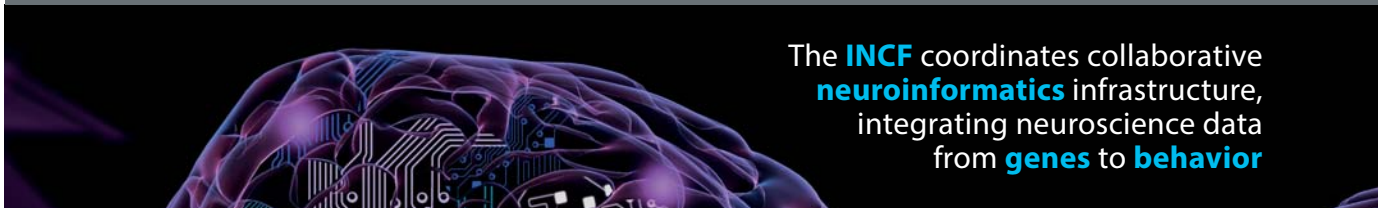


The **INCF** coordinates collaborative **neuroinformatics** infrastructure, integrating neuroscience data from **genes** to **behavior**

LIVE DEMOS in INCF booth #2114 at SfN in Chicago

Sunday, Oct. 18th

9:30 - 11:15

Sharing neuroimaging results with NIDM

David Keator, JB Poline & NIDM working group

11:15 - 13:00

NeuroVault.org: A web-based repository for collecting and sharing unthresholded statistical maps of the human brain

Krzysztof J. Gorgolewski

13:30 - 15:15

J-Node platforms

Yoko Yamaguchi & J-Node PF members

15:15 - 17:00

Versatile file format for consistent data organization and sharing

Adrian Stoewer, Christian Kellner, Andrey Sobolev, Michael Sonntag, Jan Benda, Thomas Wachtler, Jan Grewe

Neurodata Without Borders activities:

Sunday, Oct. 18th 18:30 - 19:30
Introduction to the NWB format (alpha)
Fairmont Chicago: Ambassador

All days, Oct 18th - 20th 10:00 - 11:00 & 14:00 - 15:00
NWB data format Q&A and hands-on
INCF Booth #2114

Neuroinformatics social

How can common tools, standards, and collaboration boost your research? A few short presentations and plenty of time for socializing and networking.

Sunday, Oct 18th 18:45 - 20:45
SfN sponsored event
McCormick Place, Room N229

Monday, Oct. 19th

9:30 - 11:15

The CARMEN Portal. What it is, what has been learned

Leslie Smith, Evelyne Sernagor

11:15 - 13:00

CENTER-TBI data capture and analysis platform

Jeannette Söderberg, Visakh Muraleedharan, Jeffrey Grethe, Sean Hill

13:30 - 15:15

Microcircuit cell types, connectomics, and model discovery using SenseLab and NeuroElectro

Luis N Marenco, Rixin Wang, Robert A McDougal, Francesco Cavarretta, Shaina M Short, Thomas M Morse, Shreejoy Tripathy,Michele Migliore, N. Ted Carnevale, Michael L Hines, Perry L Miller, Gordon M Shepherd

15:15 - 17:00

OpenWorm: Modeling the behavior of a complete nervous system with only 302 neurons

Stephen Larson

Tuesday, Oct. 20th

9:30 - 11:15

TimeLapseReg: An ImageJ plugin for drift correction of video sequences in time lapse microscopy

Raghavender Sahdev, Tomasz Konopczynski, Dimiter Prodanov, Daniel Sage

11:15 - 13:00

Collaborative model development on Open Source Brain

Padraig Gleeson and Angus SIlver

13:30 - 15:15

Research Resource ID's and Annotating the Web

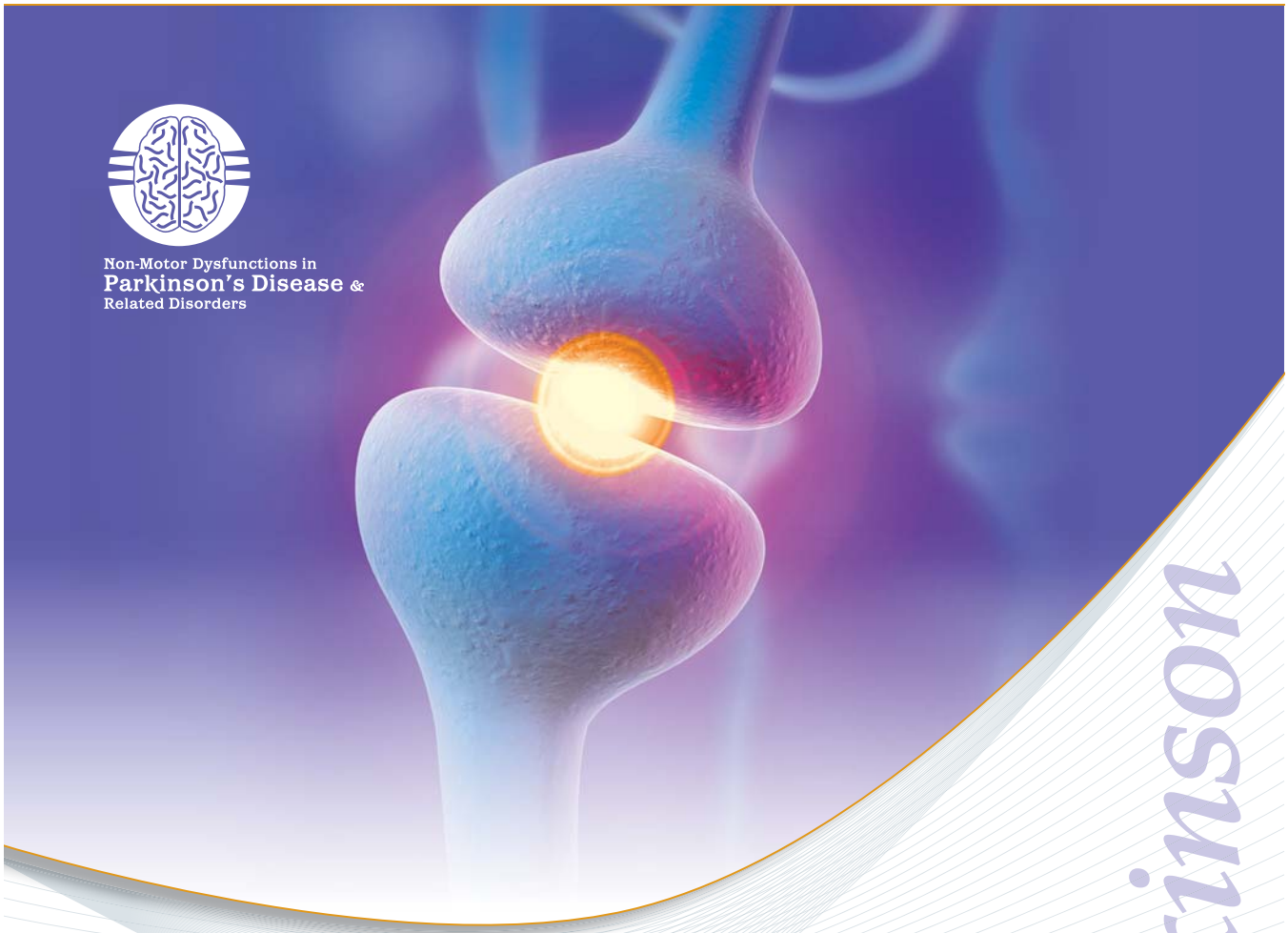
Maryann Martone

15:15 - 17:00

KnowledgeSpace demo

KnowledgeSpace working group

International Neuroinformatics Coordinating Facility
E-mail: info@incf.org
Web: incf.org/community/sfn2015
Twitter: twitter.com/INCForg



Non-Motor Dysfunctions in
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NMDPD 2016

11th International Congress on Non-Motor Dysfunctions in Parkinson's Disease and Related Disorders

Ljubljana, Slovenia | October 6-9, 2016

Submit Your Abstract

Abstract Submission Deadline: **May 10, 2016**

Parkinson

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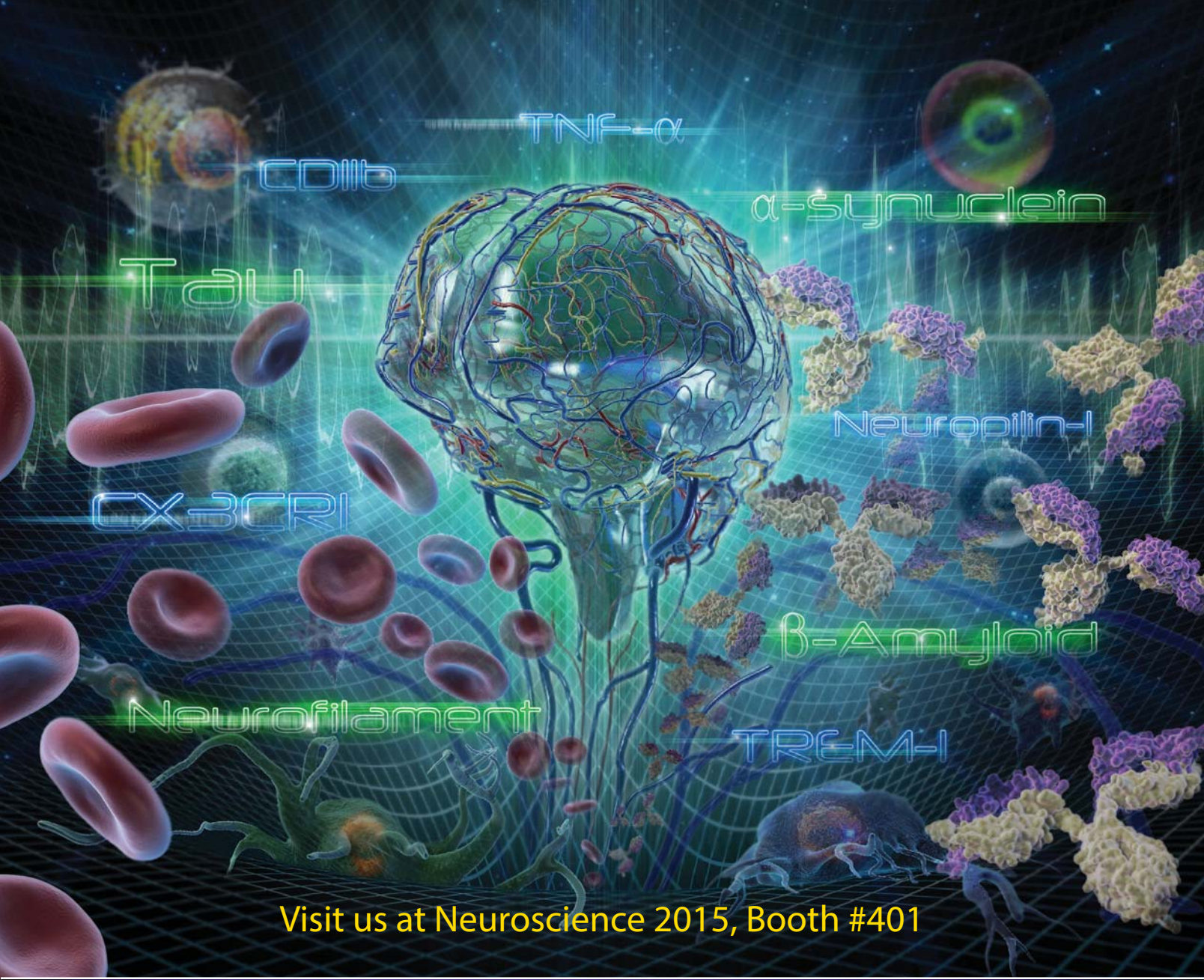

Connecting Neuroscience and Immunology

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