



**SATELLITE EVENT SBNeC**  
SOCIEDADE BRASILEIRA DE NEUROCIÊNCIA E COMPORTAMENTO  
SBNeC Auditório FACE - UFMG, Belo Horizonte

Agosto de 27 a 29, 2018

**Shades of Interdisciplinarity  
in Neuroscience**

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SATELLITE EVENT OF THE BRAZILIAN SOCIETY OF NEUROSCIENCE  
SOCIEDADE BRASILEIRA DE NEUROCIENCIA E COMPORTAMENTO (SBNEC)  
Belo Horizonte - Campus Pampulha - UFMG

### **Shades of Interdisciplinarity in Neuroscience**

*Universidade Federal de Minas Gerais*

August from 27 to 29, 2018

#### **Organizing Committee**

*Angela Maria Ribeiro – Depto de Bioquímica e Imunologia – ICB – UFMG*  
*Camila M. C. Montovani – Depto de Comunicação Social – FaFiCH – UFMG*  
*Cecília Hedin-Pereira – President of the SBNeC (2011-2014) – FIOCRUZ – RJ*  
*Carlos Magno M. Dias – Ph.D. student - PPG em Neurociências – UFMG*  
*Christopher Kushmerick – Depto de Fisiologia e Biofísica – ICB – UFMG*  
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*Joana Andrade Ramalho Pinto – M.Sc. student - PPG em Neurociências – UFMG*  
*Juliana Carvalho Tavares – Depto de Fisiologia e Biofísica – ICB – UFMG*  
*Mariana Elena Jacobsen – Ph.D. student - PPG em Bioquímica e Imunologia – UFMG*

#### **Support:**

*Anna Luiza Diniz Lima – MSc student - PPG em Neurociências – UFMG*  
*Briana H. Machado Tarabai – Undergraduate student - Course of Medicine - UFMG*  
*Daniel Cavalcante Nunes – MSc student - PPG em Neurociências – UFMG*  
*Flávio Moreira – MSc, PPG em Neurociências – UFMG*  
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*José Claudio Rodrigues da Silva – MSc student - PPG Cognição e Comportamento – UFMG*  
*Marina da Silva Oliveira – Undergraduate student - Course of Biomedicine – UFMG*  
*Margarete Schmidt – Ph.D. student - PPG em Neurociências – UFMG*  
*Thaís Bueno Dias Albuquerque – MSc student - PPG em Neurociências – UFMG*

## **Scientific Committee**

- *Angela Maria Ribeiro (Depto. de Bioquímica e Imunologia - UFMG)*
- *Christopher Kushmerick (Depto de Fisiologia - UFMG)*
- *Cleiton Aguiar (Depto de Fisiologia - UFMG)*
- *Fabrcio Moreira (Depto de Farmacologia - UFMG)*
- *Grace S. Pereira Moraes (Depto de Fisiologia e Biofísica - UFMG)*
- *Izabela Barbosa (Depto de Saúde Mental – UFMG)*
- *Jader S. Cruz (Depto. de Bioquímica e Imunologia - UFMG)*
- *Juliana Carvalho Tavares (Depto de Fisiologia e Biofísica - UFMG)*
- *Paula L. Scalzo (Depto de Morfologia - UFMG)*
- *Renato Bortoloti (Depto de Psicologia - UFMG)*

## **Support**

*Instituto de Estudos Avançados Transdisciplinares – IEAT – UFMG*

*Pró-Reitoria de Pós-Graduação – PRPG – UFMG*

*Programa de PG da Bioquímica e Imunologia – ICB – UFMG*

*Programa de PG em Fisiologia e Farmacologia – ICB – UFMG*

*Programa de PG em Neurociências – UFMG*

*Sociedade Brasileira de Neurociências e Comportamento – SBNEC*

## SCHEDULE

### August 27

9:00 am	<p><b>Opening Ceremony</b>  <i>Prof. Fábio Alves – Pró-Reitor de Pós-Graduação – UFMG</i>  <i>Profa. Cecília Hedin-Pereira – FIOCRUZ-RJ - Presidente da SBNeC (2011-2014)</i></p>
<b>Musical performance</b>	<b>Toca de Tatu</b>
9:30 am	<p><b>Sinopse</b>  <i>The group Toca de Tatu will play pieces by classical composers of Brazilian music, such as Ernesto Nazareth and Tom Jobim, as well as an own re-reading of Carinhoso by Pixinguinha. The program also includes songs recorded on the two CDs of the group, "My friend Radamés" (2013), all dedicated to maestro and composer Radamés Gnattali, and "Affinity" (2017), dedicated to pieces by contemporary composers from Minas Gerais. The repertoire includes the songs Urucubaca and Alumiado of the guitarist of Toca de Tatu, Lucas Telles.</i></p> <p><b>Members (alumni from UFMG: Escola de Música):</b>            Abel Borges (percussão), Lucas Ladeia (Cavaquinho), Lucas Telles (violão), Luísa Mitre (piano)</p> <p><b>Program:</b></p> <ul style="list-style-type: none"> <li>• Ernesto Nazareth – Escorregando</li> <li>• Pixinguinha – Carinhoso</li> <li>• Lucas Telles – Urucubaca</li> <li>• Lucas Telles – Alumiado</li> <li>• Tom Jobim – Radamés y Pele</li> <li>• Radamés Gnattali – Gatinhos no Piano</li> </ul>
<b>Opening Lectures</b>	
10:00 am	<p><b>Associative thalamic control of striatal dopamine and reward</b>            Brian Mathur (University of Maryland School of Medicine – U.S.)  <b>Host:</b> <i>Professora Leda Q. Vieira e Professor Jader S. Cruz - Coordenadores do Programa de Pós-Graduação em Bioquímica e Imunologia – ICB – UFMG</i>  <b>Celebration of the 50th Anniversary of the Biochemistry and Immunology Graduate Program</b></p>
11:00 am	<p><b>Neuroadaptations in the septohippocampal pathways following alcohol-related brain damage</b>            Lisa M. Savage (Binghamton University – U.S.)</p>
12:30 pm	<b>Lunch</b>
<b>Round Table I</b>	<p><b>Synaptic Plasticity in health and disease</b>            Coordinator: Cleiton Aguiar (Depto de Fisiologia e Biofísica – ICB – UFMG)</p>

2:00 pm	<p><b>Why and how to treat hyperexcitability after traumatic brain injury</b> Fábio Antonio Borges Vigil (University of Texas Health San Antonio –U.S.)</p> <p><b>Epilepsy hijacking brain oscillations: a gradual corruption from normal activity</b> Márcio F.D. Moraes ( Depto de Fisiologia e Biofísica – ICB – UFMG)</p> <p><b>Tracking the influence of hippocampal inputs on cortical memory traces during post-learning sleep</b> Matheus Guimarães Hofner (MSc student in Bioquímica e Imunologia – UFMG)</p> <p><b>Hippocampal-prefrontal synaptic plasticity and oscillatory patterns in physiological and pathological conditions</b> Cleiton Aguiar (Depto de Fisiologia e Biofísica – ICB – UFMG)</p>
Round Table II	<p><b>Cannabinoids and Neuropsychiatric disease</b> Coordinator: Fabrício A. Moreira (Depto de Farmacologia – ICB – UFMG)</p>
4:30 pm	<p><b>Cellular determinants in a chronic stress depression model and a possible therapeutic role for cannabinoids.</b> Cecília Hedin-Pereira (FioCruz-RJ and UFRJ)</p> <p><b>Cannabinoid receptor gene polymorphisms and cognitive performance in patients with schizophrenia</b> João Vinicius Salgado (Depto de Morfologia – UFMG)</p> <p><b>Dopamine and cannabinoids in the biology of bipolar disorder</b> Juliana Bastos (Ph.D. student in Neurociências – UFMG)</p> <p><b>Inhibiting cocaine effects through modulation of the endocannabinoid system</b> Fabrício A. Moreira (Depto de Farmacologia – UFMG)</p>
<b>August 28</b>	
Lecture 8:00 am	<p><b>Symbolic behavior and aesthetic responding</b> Júlio César de Rose (INCT-ECCE e Psicologia – UFSCar)</p>
Round Table III	<p><b>Symbolic behavior and memory</b> Coordinator: Renato Bortoloti (Depto de Psicologia – UFMG)</p>
9:00 am	<p><b>Equivalence relations and N400 component: An experimental model of symbolic behavior evaluated through ERPs</b> Edson M. Huziwara (Depto de Psicologia – UFMG)</p> <p><b>Effects of contextual cueing on episodic memory judgments</b> Antonio Jaeger (Depto de Psicologia – UFMG)</p> <p><b>Implicit and Explicit Preferences Measures for Mobile Apps and the Influence on Visual Search</b> Joana Andrade Ramalho Pinto (MSc student in Neuroscience – UFMG)</p> <p><b>Emotional faces in symbolic relations: A happy superiority effect involving the equivalence paradigm</b> Renato Bortoloti (Depto de Psicologia – UFMG)</p>

<b>Lecture</b> 11:30 am	<b>Neuroimaging in Schizophrenia from MRI to PET</b> <b>Raffael Massuda</b> (Medicine and Health Sciences – UFPR)
<b>12:30 pm</b>	<b>Lunch</b>
<b>Round Table IV</b>	<b>Social cognition and neuropsychiatric conditions</b> Coordinator: Isabela Barbosa (Depto de Saúde Mental – UFMG)
2:00 pm	<b>Social cognition in Neurodegenerative diseases</b> Leonardo Cruz de Souza (Depto de Clínica Médica – UFMG)
	<b>Social Cognition in Schizophrenia</b> Breno Fiuza (Hospital das Clinicas – UFMG)
	<b>Cognitive aspects in late life depression and correlation with Alzheimer's disease</b> Giovana Carvalho Mol (MSc student in Neurosciences – UFMG)
	<b>Social cognition in Bipolar Disorder</b> Isabela Barbosa (Depto de Saúde Mental – UFMG)
<b>Round Table V</b>	<b>Tricks for treating neurological disorders</b> Coordinator: Juliana Carvalho Tavares (Depto de Fisiologia e Biofísica – UFMG)
4:30 pm	<b>Gene therapy approaches for glaucomatous neurodegeneration.</b> Vinícius Ribas (Depto de Morfologia – UFMG)
	<b>The implications of neuroinflammation in behavior and neurodegenerative</b> Carolina Demarchi Munhoz (Depto de Farmacologia – USP)
	<b>Neuroprotection and immunomodulation following axotomy of Spinal motoneurons</b> Alexandre Leite Rodrigues de Oliveira (Depto de Anatomia – UNICAMP)
	<b>Why to treat experimental autoimmune encephalomyelitis (EAE) with DMF-solid lipid nanoparticles?</b> Juliana Carvalho Tavares (Depto de Fisiologia e Biofísica – UFMG)
<b>August 29</b>	
<b>Round Table VI</b>	<b>Neuroplastic and immunological effects of physical exercise</b> Coordinator: Paula L. Scalzo (Depto de Morfologia – UFMG)
8:00 am	<b>Physical exercise and neuroplasticity</b> Guilherme Menezes Lage (Depto de Ed. Física – UFMG)
	<b>Physical exercise, immunological system and inflammation</b> Albená Nunes da Silva (Centro Desportivo CED – UFOP)
	<b>Neuroinflammation</b> Aline Silva de Miranda (Depto de Morfologia – UFMG)
	<b>Physical exercise and neurotrophic factors</b> Paula Luciana Scalzo (Depto de Morfologia – UFMG)
<b>Round Table VII</b>	<b>Science for education: how neuroscience can impact the classroom?</b> Coordinator: Grace Schenatto Pereira Moraes (Depto de Fisiologia e Biofísica – UFMG)

10:30 am	<p><b>Mathematical Cognition</b> Julia Bahnmüller (Tübingen University – Alemanha)</p> <p><b>Neuroeducation: It is possible to have an evidence-based education?</b> Vitor Haase (Depto de Psicologia – UFMG)</p> <p><b>Empathy in the classroom: targeting the teacher.</b> Thaynara Cristina Idefonso Peixoto (MSc student in Neurosciences - UFMG)</p> <p><b>Interdisciplinarity in favor of learning: results of a study carried out at Centro Pedagógico da UFMG.</b> Grace Schenatto Pereira Moraes (Depto de Fisiologia e Biofísica - UFMG)</p>
12:30 pm	<b>Lunch</b>
<b>Panel</b>	<b>Integration between bioengineering and neuroscience: the state of the art</b>
2:00 pm	<p><b>Moderador:</b> Márcio F.D. Moraes (Depto de Fisiologia e Biofísica – UFMG)</p> <p>Eduardo Mazoni A. M. Mendes (Depto de Engenharia Eletrônica – UFMG)</p> <p>Estevam B. de Las Casas (Depto de Engenharia Mecânica – UFMG)</p>
<b>Round Table VIII</b>	<b>Glutamatergic receptors and neurodegenerative processes</b> Coordinator: Christopher Kushmerick (Fisiologia - UFMG)
3:30 pm	<p><b>Role of mGluR5 in Huntington's disease neuroinflammation</b> Fabiola Mara Ribeiro (Depto de Bioquímica e Imunologia - UFMG)</p> <p><b>Targeting mGluR5 for the treatment of neurodegenerative disease</b> Stephen S. G. Ferguson (Canada Center Research - Univ. of Ottawa)</p> <p><b>The mGluR5 positive allosteric modulator VU0409551 improves synaptic plasticity and memory of a mouse model of Huntington's disease</b> Isabella Guimarães Olmo (Ph.D. student in Neuroscience - UFMG)</p> <p><b>Ionotropic actions of metabotropic glutamate receptors</b> Christopher Kushmerick (Depto de Fisiologia e Biofísica - UFMG)</p>
<b>Closing lecture conference</b>	<b>Elucidation of signaling pathways in the nervous system critical to health and disease: from the single-molecule to the cell to in vivo behavior</b>
5:30 pm	<b>Mark S. Shapiro</b> (University of Texas Health San Antonio – U.S.)

