

<b>II National Pain Symposium</b> <i>Addressing Challenges and Innovations in Lifespan Pain Management</i> <b>Schematic Program</b> <b>October 7th, 2024(Monday)</b>	
07h30-08h30	<b>Meeting registration</b>
08h30-8h40	<b>Welcome</b>
08h40-10h10	<p><b>Session I: New Approaches in the Study and Management of Pain</b>  Chair: Susan D. Brain (King's College London, UK) &amp; Nara Lins Meira Quintão (Univali)</p> <p><b>Keynote Lectures</b></p> <ul style="list-style-type: none"> <li>• 8h40-9h20 <i>Early life microbiota colonization programs pain sensitivity</i>  Christophe Altier (University of Calgary, Canada)</li> <li>• 9h20-9h50 <i>PPAR-γ as target to manage chronic pain</i>  Nara L. M. Quintão (Univali)</li> <li>• 9h50-10h00 <i>Oral Communication 1: 05.022 Influence of sleep restriction on the development of responses associated with migraine in male and female rats.</i> Oliveira GC<sup>1</sup>, Luz FMR<sup>1</sup>, Chichorro JG<sup>1</sup> <sup>1</sup>UFPR Curitiba, Dpt of Pharmacology, Brazil</li> <li>• 10h00-10h10 <i>Oral Communication 2: 05.031 4-Hydroxynonenal is involved in morphine tolerance and hyperalgesia by activating transient receptor potential Ankyrin 1.</i> Pennachioni NP<sup>1</sup>, Stein Neto B<sup>1</sup>, Hosch NG<sup>1</sup>, Martins BB<sup>1</sup>, Assis GS<sup>1</sup>, Dallazen JL<sup>1,2</sup>, Zambelli VO<sup>1,2</sup> <sup>1</sup>Butantan Institute, Lab for Pain and Signaling, <sup>2</sup>CENTD/Butantan Institute</li> </ul>
10h10-10h25	<b>Coffee-break</b>
10h25-12h00	<p><b>Session II: New Approaches in the Study and Management of Pain</b>  Chair: Stuart Bevan (King's College London, UK) &amp; Elizabeth Soares Fernandes (FPP)</p> <p><b>Keynote Lectures</b></p> <ul style="list-style-type: none"> <li>• 10h25-11h00 <i>Unraveling the mechanisms behind sensory alterations in CHIKV infection.</i>  Robson da Costa (UFRJ)</li> <li>• 11h00-11h35 <i>Pronociceptive role of spinal Cav2.3 (R-type) calcium channels in postoperative pain</i>  Juliano Ferreira (UFSC)</li> <li>• 11h35-11h45 <i>Oral Communication 1: 05.001 Contribution of T-type calcium channels and ATP-sensitive potassium channels to CGRP signaling in the trigeminal ganglion of male and female rats.</i>  Luz FMR, Baggio DF, Lejeune VBP, Chichorro JG UFPR, Dpt of Pharmacology</li> <li>• 11h45-11h55 <i>Oral Communication 2: 05.047 Impaired mitochondrial dynamics underlies paclitaxel-induced axonal degeneration.</i>  Hösch NG, Martins BB, Zambelli VO Butantan Institute, Lab of Pain and Intracellular Signaling</li> </ul>
12h00-13h30	<b>Lunch</b>
13h30-15h00	<p><b>Roundtable 1: How Culture, Ethnicity, and Socioeconomic Factors Influence Pain Perception and Treatment Assess</b>  Chair: Elizabeth Soares Fernandes (FPP) &amp; Maria Martha Campos (PUC-RS)</p> <ul style="list-style-type: none"> <li>• <i>Access to Care: Treating Pain Across Cultural Divides</i></li> </ul>

	<p>Kaitlin Roberson (Cacti Therapeutics, USA)</p> <ul style="list-style-type: none"> <li>• <i>To be announced</i> João Batista Garcia (UFMA)</li> <li>• <i>Sex/Gender Biases in Pain Research and Clinical Practice.</i> Jamir João Sarda Junior (Univali)</li> </ul>
15h00-15h20	<b>Coffee-break</b>
15h20-17h00	<p><b>Session III: New Approaches in the Study and Management of Pain</b> Chair: José Roberto Santin (Univali) &amp; Nara Lins Meira Quintão (Univali)</p> <p><b>Keynote Lectures</b></p> <ul style="list-style-type: none"> <li>• 15h20-16h00 <i>Effects of phytocannabinoids on pain and inflammation in human and veterinary patients: Results from two Brazilian randomized clinical trials</i> Francisney Nascimento (Unila)</li> <li>• 16h00-16h40 <i>Psychodelics for treating chronic pain</i> Kaitlin Roberson (Cacti Therapeutics, USA)</li> <li>• 16h40-16h50 Oral Communication 1: 05.014 <i>Antinociceptive profile of different compositions of phytocannabinoid extracts.</i> Junger MG, Matheus ME, Miranda ALP <sup>1</sup>ICB-UFRJ, Lab of Studies in Experimental Pharmacology</li> <li>• 16h50-17h00 Oral Communication 2: 05.017 <i>Multimodal analgesia with transdermal buprenorphine produces efficacious and safe antinociception in burned mice.</i> Hoepers JVA, Godoi MM, Ferreira J UFSC Florianópolis, Dpt of Pharmacology</li> </ul>
19h00	<p><b>Opening session</b> 56th Brazilian Congress of Pharmacology and Experimental Therapeutics</p>
19h30-20h30	<p><b>Opening Lecture</b> 56th Brazilian Congress of Pharmacology and Experimental Therapeutics</p>

### October 8th, 2024(Tuesday)

09h00-10h00	<p><b>Session IV: New Approaches in the study and management of pain</b> Chair: Vinícius de Maria Gadotti (Univali) &amp; Soraia K. P. Costa (USP-SP)</p> <p><b>Keynote Lectures</b></p> <ul style="list-style-type: none"> <li>• 9h00-9h30 <i>Transfer of sensory abnormalities from patients to mice</i> David Anderson (Kings College, UK)</li> <li>• 9h30-10h00 <i>Cannabis and the endocannabinoid system in the control of arthritis pain.</i> Jason McDougall (Dalhousie University, Canada)</li> </ul>
10h00-10h20	<b>Coffee-break</b>
10h20-12h00	<p><b>Roundtable 2: Challenges in Managing Pain in Youngest and the Elderly</b> Chair: Elizabeth Soares Fernandes (FPP) &amp; José Roberto Santin (UNIVALI)</p> <ul style="list-style-type: none"> <li>• <i>Pain management in the paediatrics: focus on the pain associated to movement disorders.</i> Leonardo Almeida Frizon (FPP)</li> <li>• <i>Pain Management in the Elderly</i> Bruno Bertoli Esmanhotto (FPP)</li> </ul>

	<ul style="list-style-type: none"> <li><i>Inflammatory Pathways in Chronic Pain: Evidence From Pre-Clinical and Clinical Studies.</i> Maria Martha Campos (PUC-RS)</li> </ul>
12h00-13h40	<b>Lunch</b>
16h00-17h30	<b>E-Poster Session 1</b> 56 <sup>th</sup> Brazilian Congress of Pharmacology and Experimental Therapeutics
October 9th, 2024(Wednesday)	
16h00-17h30	<b>E-Poster Session 2</b> 56 <sup>th</sup> Brazilian Congress of Pharmacology and Experimental Therapeutics
October 10th, 2024(Thursday)	
09h00-10h30	<b>Posters session 3</b> 56 <sup>th</sup> Brazilian Congress of Pharmacology and Experimental Therapeutics