SCIENTIFIC PROGRAM

56th Brazilian Congress of Pharmacology and Experimental Therapeutics

Beyond Traditional Pharmacology: New Themes, Tools and Approaches

October 7th, 2024(Monday)	
07h30	**Venue Secretariat and SBFTE Secretariat Opening**
08h00-11h00	**SBFTE e Divulgação de Farmacologia na Escola Pública** (Promoting Pharmacology in Primary Public Schools in Balneário Camboriú) Chairs: Soraia K. P. Costa (SBFTE President) / Weverton Castro Coelho-Silva (Coordinator SBFTE Jovem Committee, USP-RP)
08h30-12h00	**Adriático Room**
	II National Pain Symposium: *Addressing Challenges and Innovations in Lifespan Pain Management*
09h00-12h00	**Ártico Room**
	Meeting of the Board of SBFTE Directors and Deliberative Council (Council and Directory Board Members only)
09h00-12h00	**Egeu Room**
	Pre-Congress Course
	Learning the Discovery and Development Process of New Drugs and Medicines with the Screener Educational Game (Aprendendo o Processo de Descoberta e Desenvolvimento de novos Fármacos e Medicamentos com o Jogo Educacional Screener) Chair: François G. Noel (UFRJ)
10h00-10h20	**Coffee-Break**
12h00-13h00	**Lunch**
12h30-13h00	**Ártico Room**
	Technical Lecture
	Descubra o Poder da Tecnologia da Telemetria Kaha no Registro de Parâmetros Cardiovasculares Leopoldo Barletta (ADInstruments)
13h00-15h00	**Ártico Room**
	Meeting of SBFTE Permanent Forum of Graduate Courses in Pharmacology
13h00-17h00	**Egeu Room**
	Pre-Congress Course
	Learning the Discovery and Development Process of New Drugs and Medicines with the Screener Educational Game (Aprendendo o Processo de Descoberta e Desenvolvimento de novos Fármacos e Medicamentos com o Jogo Educacional Screener) Chair: François G. Noel (UFRJ)
13h30-17h00	**Adriático Room**

	II National Pain Symposium: *Addressing Challenges and Innovations in Lifespan Pain Management*
15h00-15h20	**Coffee break**
15h20-16h30	**Ártico Room**
	RT1 – **A View on Postgraduate Courses in Pharmacology in Brazil: Perspectives and Challenges** (**Um Olhar sobre a Pós-Graduação em Farmacologia no Brasil: Perspectivas e Desafios**) (Presented in Portuguese) Chair: Rosane Gomez (UFRGS, Coordinator Permanent Forum of Graduate Courses in Pharmacology • *Profile of Pharmacology Graduate Students* (*Perfil dos pós-graduandos em farmacologia*) Mauricio Schuler Nin (UFCSPA, SBFTE Jovem) • *Institutional support for postgraduate studies in the country and pharmacology area* (*O fomento institucional à pós-Graduação no país e na área de farmacologia*) Priscila Lelis Cagni (CAPES)
17h00-17h40	**Ártico Room**
	Merging Scientific Discoveries with Artistic Expression, **Iniciativas Educacionais SBFTE** (IE-SBFTE) Neuroscience and Arts Connection. Building Pluriverses, Integrating Multiple Knowledges (Conexão Neurociência e Artes. Construindo Pluriversos, Integrando Múltiplos Saberes) Norberto Garcia-Cairasco (USP-RP) Chair: Maria Christina W. de Avellar (Unifesp-EPM)
	Caspio Room
	Launch of the *I Mostra de Arte & Ciência* SBFTE (I Science and Art Exhibit – SBFTE)
	Ocean Place Av. Atlântica, 5700 Centro Balneário Camboriú SC
19h00-19h30	**Opening Session**
19h30-20h20	**Opening Lecture**
	 L1 – *Rocha e Silva Memorial Lecture* **Calcitonin Gene-Related Peptide** (**CGRP**) **Agonists Protects against Remodeling in Heart Failure** Susan D. Brain (King´s College London, UK) Presented by Soraia K. P. Costa (USP-SP)
20h30-22h00	Cocktail

October 8th, 2024(Tuesday)	
08h00-18h00	**Cáspio Room**
	Merging Scientific Discoveries with Artistic Expression - Iniciativas Educacionais SBFTE (IE-SBFTE)

	I Mostra de Arte & Ciência SBFTE (I Science and Art Exhibit – SBFTE)		
09h00-12h00	**Adriático Room**		
	II Symposium on Pain: Advances and Perspectives		
08h00-08h50	**Courses**		
	Mediterrâneo Room	**Figueira Room**	**Ártico Room**
	Cr1 – **Reliability, Transparency, And Quality: Tips from Obtaining Data to Completion** (**Confiabilidade, Transparência e Qualidade: Dicas desde a Obtenção dos Dados até a Conclusão**) (Presented in Portuguese) Chair: Janaína Menezes Zanoveli (UFPR) • Class 1: *Power of the test x n sample* (*focus on the 3 R's*)*: approach to its importance in the design of studies* (*Poder do teste x n amostral* (*foco nos 3 R´s*)*: abordagem sobre sua importância no delineamento dos estudos*) Janaina Menezes Zanoveli (UFPR)	Cr2 – **Experimental Models of Autism Spectrum Disorder** (**ASD**) **and Attention Deficit Hyperactivity Disorder** (**ADHD**)**: Focus on Discovering new Therapeutic Targets** (Modelos Experimentais dos Transtornos Do Espectro Autista (TEA) e Déficit de Atenção e Hiperatividade (TDAH): Foco na Descoberta de Novos Alvos Terapêuticos) (Presented in Portuguese) **Chair:** Luisa Mota da Silva (UFSC) • Class 1: *Experimental models of ASD and the possibilities of new therapeutic strategies exploring the gut-brain connection* (*Modelos experimentais de TEA e a possibilidades de novas estratégias terapêuticas explorando a conexão intestino-cérebro*) Luisa Mota da Silva (UFSC)	Cr3 – **How to build a Vascular Aging Model: from Molecular Targets to Pharmacological Tools**. (**Como criar Modelos de Envelhecimento Vascular: de Alvos Moleculares às Ferramentas Farmacológicas**) (Presented in Portuguese and in English) **Chair:** Paulo de Assis Melo (UFRJ) • Class 1: *From the concept of cellular aging to the development of* in vitro *and* in vivo *models for identifying pharmacological targets* (*Desde o conceito de envelhecimento celular até o desenvolvimento de modelos* in vitro *e* in vivo *para identificação de alvos farmacológicos*) Lucienne da Silva Lara Morcillo (UFRJ)
09h10-10h00	**Lectures**		
	Mediterrâneo Room		**Figueira Room**
	 L2 – **Right handed amino acids: new molecular codes in brain signaling in health and disease** (Via Streaming) Jean-Pierre Mothet (Université Paris-Saclay, France) Presented by Isis N O Souza (UFRJ)		 L3 – **Pharmacology 2.0: Advanced Models for the Development of New Therapies of Age Related Inflammatory Diseases** Martina Schmidt (University of Groningen, The Netherlands) Presented by Samuel dos Santos Valença (UFRJ)
10h00-10h20	**Coffee-break**		
10h20-12h20	**Symposia/Oral Communication**		
	Mediterrâneo Room	**Figueira Room**	**Ártico Room**
	S1 – **Pharmacology Without Borders: Emerging Technologies and Trends from**	S2 – **The Excitatory-Inhibitory Balance as a Target to treat Mental Disorders**	S3 – **Redox Opportunities in the Treatment of Cardiovascular Diseases**

	British and Brazilian Pharmacology Societies **Drug Discovery and Therapeutic Innovation for the Treatment of COPD: Translating Basic Respiratory Pharmacology into Clinical Practice** Chair: Marco Aurelio Martins (Fiocruz) & Clive Page (King´s College, UK) • *The burden of unmet needs in COPD* Wisia Wedzicha (Imperial College London, UK) (Via Streaming) • *Use of preclinical models to investigate novel drugs for the treatment of respiratory diseases* Marco Aurelio Martins (Fiocruz) • *Early experimental medicine studies for investigating new drugs for COPD* Dave Singh (University of Manchester, UK) • *My adventures with developing novel drugs for the treatment of respiratory diseases* Clive Page (King´s College, UK)	**Chair:** Felipe Villela Gomes (USP-RP) • *Excitatory-inhibitory mechanisms in stress related models: a target for pharmacological intervention* Marco Andrea Riva (University of Milan, Italy) • *Fixing broken synapses: glutamatergic and GABAergic dysfunction in depression and reversal by novel treatments* Manoela Viar Fogaça (University of Rochester, USA) • *Biomarkers that capture excitation-inhibition imbalance in humans* Patricio O'Donnell (Alto Neuroscience, USA) • Oral Communication 1: 03.011 *MK-801-induced disruption of shoal cohesion in Zebrafish is not counteracted by the antipsychotic sulpiride*. Becker SZ, Gallas-Lopes M, Bruck SM, Bastos LM, Stahlhofer-Buss T, Müller DV, Piato A, Herrmann AP. UFRGS, Dpt de Farmacologia • Oral Communication 2: *Ayahuasca enhances fear extinction in female and male rats by the activation of infralimbic cortex 5-HT2A and 5-HT1A receptors* Werle I[1], dos Santos ALA[1], dos Santos RG[2], Hallak Jaime EC[2], Bertoglio LJ[1] [1]UFSC, Farmacologia; [2]USP-RP, Neurociências e Ciências do Comportamento	**Chair:** Lucia Rossetti Lopes (USP-SP) • *Poldip2 controls brain vascular permeability by regulating ROS-mediated tight junction phosphorylation and localization at the interendothelial border* Marina Sorrentino Hernandes (Emory University, USA) • *Endoplasmic Reticulum Chaperones in Intercellular Redox Communication* Francisco Rafael Martins Laurindo (InCor-HC-FMUSP) • *Protein Disulfide isomerase and Nox: novel redox therapeutic targets in the treatment of hypertension* Lucia Rossetti Lopes (USP-SP) • Oral Communication 1*:* 06.014 *O-glyconacylation increases the gelatinolytic activity of Matrix Metalloproteinase (MMP)-2 in aortas treated with glucosamine and Thiamet G*. Bueno EKP[1], Neves VGO[1], Blascke de Mello MM[1], Ferreira GM[2], Tostes RC[1], Castro MM[1] [1]FMRP-USP, Dept Pharmacology; [2]FCF-USP, Dept of Clinical and Toxicological Analysis • Oral Communication 2: 06.054 *Vascular hyporesponsiveness in severe sepsis is associated with nitric oxide-dependent expression of G-protein rec*eptor kinase. Dal-Secco D[1], Olivon VC[2], Corrêa T[1], Celes MRN[3], Akinaga J4, Lima V4, Oliveira AM[2], Rossi MA[3], Pupo AS[4], Cunha FQ[2], Sordi R[1], Assreuy J[1] [1]UFSC – PPG in Pharmacology, [2]FMRP-USP – Pharmacology and [3]Pathology, [4]IBB-Unesp – Pharmacology
12h20-13h40	**Lunch**		

12h20-13h40	**Mediterrâneo Room**	**Ártico Room**
	SBFTE Jovem Assembly (with Lunch Box)	**Meeting of the North-Northeast and Central West Region Pharmacology Network** (with Lunch Box)

14h00-16h00 — Symposia/Roundtable

Mediterrâneo Room

S4 – **Targeting Metabolic Dysfunctions and Obesity: New Approaches and Insigths**

Chair: Luciene Bruno Vieira (UFMG)

- *Effects of dietary fiber on intestinal microbiota and behavioral and neurobiochemical changes in a murine model of Huntington's Disease*
  Fabíola Mara Ribeiro (UFMG)
- *Metabolic Programming of obesity: can prevention be achieved*?
  Cristiane Matté (UFRGS)
- *Mechanisms by which chronic hyperpalatable diet may induce cognitive alterations*
  Luciene Bruno Vieira (UFMG)
- Oral Communication 1: 07.003 *Organizational effects of sex steroids on non-motor symptoms of parkinson's disease in Wistar rats*. Zanotti VA[1], Baptista G[2], Gregorio T[1], Silva LCS[1], Piana EDM[1], Caverzan S[1], Cruz MPM[1], Prediger, RDS[2], Lima FB[1,2] [1]UFSC Dpt of Physiological Sciences; [2]PPGFMC-UFSC
- Oral Communication 2: 07.006 *Autophagy and cellular senescence in benign prostatic hyperplasia in obesity*. Fernandes CMAS, Lemos G, Calmasini FB Unifesp-EPM – Dept Pharmacology

Figueira Room

S5 – **Cellular Plasticity in Inflammation**

Chair: João Alfredo de Moraes (UFRJ)

- *Neutrophil Extracellular Traps* (*NETS*) *support cancer progression by induction of chemoresistant phenotypes*
  Robson de Queiroz Monteiro (UFRJ)
- *Effect of tumor extracellular vesicles on neutrophil polarization*
  João Alfredo de Moraes (UFRJ)
- *Integrative approach to determine mechanisms and novel therapeutic targets for difficult-to-treat rheumatoid arthritis patients*
- Zsuzsanna Helyes (Pécs University, Hungary)
- Oral Communication 1: 01.014 *Effects of Interleukin-1β on the plasticity of differentiated neurons from the human neuroblastoma lineage SH-SY5Y*. Barros ASM[1], Matias Pereira AC[2], Vatanabe IP[2], Pinheiro NR[3], Sebollela AS[3], Lisboa SF[1,2] [1]FMRP-USP, Dept Pharmacology, [2]FCFRP-USP, Dept Biomolecular Sciences, [3]FMRP-USP, Dept Biochemistry and Immunology
- Oral Communication 2: 01.001 *The effect of adipose tissue secretome of patients with obesity under metformin on the differentiation and activity of osteoblasts*. Andrade-Santos C[1], Silva-Forte Y[1], Gonzalez-Joaquim L[1], Pantoja-Marinho C[1],

Ártico Room

RT2 – **Beyond the Academy** (**Além da Academia**)

Chair: Weverton Castro Coelho-Silva (Coordinator SBFTE Jovem Committee, USP-RP)

- *The opportunities in Animal and Plant Health and Inspection and future perspectives* (*As oportunidades e Inspeção em Saude Agropecuaria e perspectivas futuras*)
  Fabiano Barreto (MAPA--LFDA-RS)
- *Scientific entrepreneurship and scientific communication as a career path* (*Empreendedorismo científico e comunicação científica como percurso profissional*)
  Sandra Milena Bonilla Becerra (Science Illustrator- Independent)
- *From academic to corporative carreer: the transition and business relationships step by step* (*Da carreira acadêmica à corporativa: a transição e as relações comerciais passo a passo*)
  Jéssica Maria Sanches Lopes (Grupo NC)

		Kraemer-Aguiar LG[2], Falcão-Leal PR[2], Barja-Fidalgo TC[1]. [1]IBRAG-UERJ, Lab Cellular & Molecular Pharmacology, Dept Cell Biology, [2] CePEM-UERJ	
16h00-17h30	**E-Poster Session 1** (with Coffee-break)		
	Totem 1 01. Cellular and Molecular Pharmacology (01.012 a 01.016, 01.018) **Totem 2** 02. Neuropharmacology (02.001 a 02.004, 02.007, 02.013) **Totem 3** 02. Neuropharmacology (02.041 a 02.045) 07. Endocrine, Reproductive and Urinary Pharmacology (07.018 a 07.020) **Totem 4** 03. Psychopharmacology (03.007 a 03.013) **Totem 5** 04. Inflammation and Immunopharmacology (04.001 a 04.006) **Totem 6** 04. Inflammation and Immunopharmacology (04.019 a 04.020, 04.022 a 04.024) **Totem 7** 05. Pain and Nociception Pharmacology (05.001 a 05.005, 05.007 a 05.008, 05.013) **Totem 8** 05. Pain and Nociception Pharmacology (05.017 a 05.018, 05.020, 05.021, 05.024 a 05.025) **Totem 9** 05. Pain and Nociception Pharmacology (05.045 a 05.051) **Totem 10** 06. Cardiovascular and Renal Pharmacology (06.001 a 06.003, 06.005, 06.012) **Totem 11** 06. Cardiovascular and Renal Pharmacology (06.016 a 06.017, 06.021) 14. Pharmacology: Other (14.001 a 14.004) **Totem 12** 06. Cardiovascular and Renal Pharmacology (06.026 a 06.028, 06.030 a 06.031, 06.035, 06.045) **Totem 13** 07. Endocrine, Reproductive and Urinary Pharmacology (07.001 a 07.005) 10. Cancer Pharmacology (10.001 a 10.004)		

	Totem 14 07. Endocrine, Reproductive and Urinary Pharmacology (07.014 a 07.017) 08. Respiratory and Gastrointestinal Pharmacology (08.010 a 08.014) **Totem 15** 09. Natural Products and Toxinology (09.001, 09.002, 09.004, 09.006 a 09.009) **Totem 16** 09. Natural Products and Toxinology (09.029 a 09.032, 09.034 a 09.037, 09.044) **Totem 17** 10. Cancer Pharmacology (10.005, 10.006, 10.008 a 10.010) **Totem 18** 10. Cancer Pharmacology (10.015 a 10.023) **Totem 19** 11. Clinical Pharmacology, Pharmacokinetics, Pharmacogenomics and Toxicology (11.011 a 11.016) 12. Drug Discovery and Development (12.007 a 12.009) **Totem 20** 12. Drug Discovery and Development (12.010 a 12.013, 12.015, 12.016)
	Adriático Room
17h30-18h40	**Women in Pharmacology in Brazil Award – 2024 Edition** Chair: Soraia K. P. Costa (USP-SP) **Leader** **Marine Natural Products and Their Targets: The Great Inspiration to Pharmacology and Therapeutics** Leticia Veras Costa-Lotufo (USP-SP) **Emerging Leader** **Fear Not: A Career Consolidated on Memories, Cannabinoids and Other Drugs** Cristina A. J. Stern (UFPR)
	Adriático Room
18h45-19h45	**SBFTE Assembly**
20h30	Dinner Cristo Luz (by reservation, not included in the event registration) (Bus Meeting Point at Sibara Hotel Front Desk)

October 9th, 2024 (Wednesday)			
08h00-18h00	**Cáspio Room**		
	Merging Scientific Discoveries with Artistic Expression - Iniciativas Educacionais SBFTE (IE-SBFTE) *I Mostra de Arte & Ciência SBFTE* (I Science and Art Exhibit – SBFTE)		
08h00-08h50	**Courses**		
	Mediterrâneo Room	**Figueira Room**	**Ártico Room**
	Cr1 – Reliability, Transparency, And Quality: Tips from Obtaining Data To Completion (*Confiabilidade, Transparência e Qualidade: Dicas desde a Obtenção dos Dados até a Conclusão*) (Presented in Portuguese) Chair: Janaína Menezes Zanoveli (UFPR) • Class 2: *Guidelines for reporting methodologies in animal experimentation: Have you ARRIVEd there yet*? (*Diretrizes para relatar metodologias em experimentação animal: Have you ARRIVEd there yet*?) Quelen Iane Garlet (UFPR)	**Cr2 – Experimental Models of Autism Spectrum Disorder (ASD) and Attention Deficit Hyperactivity Disorder (ADHD): Focus on Discovering new Therapeutic Targets** (*Modelos Experimentais dos Transtornos do Espectro Autista* (*TEA*) *e Déficit de Atenção e Hiperatividade* (*TDAH*)*: Foco na Descoberta de Novos Alvos Terapêuticos*) (Presented in Portuguese) **Chair:** Luisa Mota da Silva (UFSC) • Class 2: *Maternal immune activation as an experimental model in the search for therapeutic targets in the study of ASD* (*Ativação imune materna como modelo experimental na busca de alvos terapêuticos no estudo do TEA*) Alexandre Giusti Paiva (UFSC)	Cr3 – **How to build a vascular aging model: from molecular targets to pharmacological tools**. (*Como criar modelos de envelhecimento vascular: de alvos moleculares às ferramentas farmacológicas*) **Chair:** Paulo de Assis Melo (UFRJ) Presented in Portuguese and in English) • Class 2: *Understanding the role of mitochondria and reactive oxygen species signaling in a vascular accelerated aging animal model* (*Compreendendo o papel da sinalização de espécies reativas de oxigênio e das mitocôndrias em um modelo animal de envelhecimento vascular acelerado*) Sabrina Ribeiro Gonsalez (Erasmus University/UFRJ)
09h10-10h00	**Lectures**		
	Mediterrâneo Room		**Figueira Room**
	 L4 – **Induction of antiviral Interferon-Stimulated Genes (ISGs) by neuronal STING promotes the resolution of pain** Christophe Altier (University of Calgary, Canada) Presented by Nara Lins Meira Quintao (Univali)		 L5 – **Effects of Sweetener Chronic Consumption on Brain Neurotransmission and Cognition** Sylvie Granon (Paris-Saclay Institute of Neuroscience, France) Presented by Maria Aparecida Barbato Frazão Vital (UFPR)
10h00-10h20	**Coffee-break**		
10h20-12h20	**Symposia/Oral Communication**		
	Mediterrâneo Room	**Figueira Room**	**Adriático Room**

	S6 – **Projecting the Future of Clinical Pharmacological Research in Argentina, Brazil and Chile** Chair**:** Soraia K P Costa (USP-SP) • *The future of pharmacology: from artificial intelligence to cell therapies* Ventura Simonovich (President of the Argentine Society for Experimental Pharmacology) • *An integrated research effort to prevent and treat dengue* Mauro M. Teixeira (UFMG) • *From the Bench to the Patient in the Repurposing of old drugs for Chagas Disease* Juan Diego Maya (University of Chile, Chile) • Oral Communication 1: 11.011 *The pyrethroid metabolite 3-Phenoxybenzoic Acid* (*3-PBA*) *has chronotropic and ionotropic effect on isolated atrial tissue: Possible involvement of Nav1.5*. da Costa JNA[1], Marques LP[1]; Lima MRC[1]; Souza DS[2]; Alcântara FS[1]; Fonseca JLT[1]; Orts DJB[1]; Roman-Campos D[1] [1]Unifesp-EPM Cardiobiology Lab, Biophysics Dept; [2]UFS • 11.017 *Development of a PBPK model to predict Drug-Drug Interactions* (*DDI*) *following oral administration of ayahuasca and synthetic medications*. Ribeiro GSG, Martins FS, Marcourakis T USP-SP	S7 – **SGLT2 and GLP1 Drugs Transcend Endocrine Benefits and Produce Cardiovascular and Renal Protection** **Chair:** José Wilson do Nascimento Corrêa (UFAM) • *Background of SGLT2 inhibitors and GLP1 agonists* José Wilson do Nascimento Corrêa (UFAM) • *Cardiovascular and Renal benefits of GLP1 agonists* Adriana Castello Costa Girardi (USP-SP) • *Cardiovascular and renal benefits of SGLT2 inhibitors* Coert J. Zuurbier (University of Amsterdam, The Netherlands) • Oral Communication 1: 06.029 *Interaction of the antiarrhythmic drug amiodarone and dronedarone with the human Nav1.5 sodium channel depends on extracellular pH: New perspectives for the treatment of arrhythmic diseases*. Conceição MRL[1], Fonseca JLT[1], Souza DS[2], Marquesa LP[1], Alcântara FS[1], Orts DJB[1], Nascimento DS[2], Dantas CO[2], Vasconcelos CML[2], Roman-Campos D[1] [1]Unifesp/EPM, Dpt of Biophysics [2]UFS Dpt of Physiology • Oral Communication 2: 06.030 *AP39, a mitochondria-targeted hydrogen sulfide* (*H_2S*) *donor, induces endothelial cell proliferation and migration via mitochondrial mechanisms*. Marques LAC[1], Veiga SMM[1], Silva LM[2], Câmara NOS[2], Costa, SKP[1], Muscará, MN[1] [1]ICB-USP Pharmacology; [2]ICB-USP Immunology[2], Brazil	S8 – **Novel Hormonal Treatments for Mood Disorders: The Brain-Gonadal Axis** Chair: Helena Maria Tannhauser Barros (UFCSPA) • *Novel rapid-acting neurosteroid-based antidepressants: new tools for the treatment of mood disorders* Graziano Pinna (University of Illinois at Chicago, USA) • *Neurosteroids and ovarian physiology: central and peripheral modulation* Myriam Raquel Laconi (CONICET-University of Mendoza, Argentina) • *Neurosteroids and depressive-like phenotype differences based on sex: biomarkers of treatment efficacy* Helena Maria Tannhauser Barros (UFCSPA) • Oral Communication 1: 02.044 *Allopregnanolone emerging role as a rapid-acting antidepressant agent and as a biomarker of neuropsychiatric disorders: evidence from basic and clinical findings*. Cruz EL, Pinna G The University of Illinois Chicago, Dpt Psychiatry USA • Oral Communication 2: 02.002 *Exploring the mediation potential of URB597 as an antidepressant, anxiolytic, and anti-aversive agent*. Coelho-Silva[1], deAlmeida JWT[2], Coimbra[3] [1,2,3]FMRP-USP Dept Pharmacology, FMRP-USP, [1,3]Department of Neurology and Behavior Science, [2,3]INEC
12h20-13h40	**Lunch**		

12h20-13h40	**Mediterrâneo Room**	**Sala Figueira**
	Meet the Professor (with Lunch Box) Chair: SBFTE Jovem Committee • Anton Roks (Erasmus University, The Netherlands) • Christophe Altier (Calgary University, Canada) • Helena Maria Tannhauser Barros (UFCSPA) • Juan Diego Maya (University of Chile, Chile) • Lucia Rossetti Lopes (USP-SP) • Stephan Schmidt (University of Florida, USA) • Zsuzsanna Helyes (Pécs University, Hungary)	**Technical Lectures** **Advances and Applications of Cell Culture in Toxicology and Pharmacology** (*Avanços e Aplicações do Cultivo de Células na Toxicologia e Farmacologia*) Ana Carolina Batista (BCJR) / Paola Cappelletti (BCJR)
14h00-16h00	**Symposium**	
	Adriático Room	
	José Ribeiro do Valle Award **Chair**: Soraia K. P. Costa (USP-SP) *Guilherme Ruiz Leonardi* 07.018 **Pharmacological Characterization of Probenecid in Urinary Bladder and Corpus Cavernosum of Rodents and Non-rodents**. Leonardi GR, Passos GR, Moretti MB, de Barros JVC, Tonellotti E, Antunes E, Mónica FZ. Unicamp, Dpt of Translation Medicine (Pharmacology), PPG Pharmacology, Brazil *Luan Victor Resque Ramos* 06.033 **The Role of C3a on Matrix Metalloproteinase (mmp)-2 Activity, t CD4+ Cells and Oxidative Stress in Angiotensin-II-Induced Hypertension**. Ramos LVR[1], Mello MM[1], Bueno EKP[1], Oliveira Neto JT[1], Melo BMS[2], Tostes RC[1], Alves-Filho CF[1,2], Castro MM[1] [1]Department of Pharmacology, Ribeirão Preto Medical School, USP; [2]Department of Immunology, Ribeirão Preto Medical School, USP *Larissa Benvenutti* 08.016 **Effects of a PPARγ Partial Agonist on Lung Inflammation**. Benvenutti L[1], Nunes R[1], Ramos SA Vaz CR[1], Nilz P[1], Goldoni FC[1], Wolff FR[1], Pereira MES[1], Oliveira TF[2], Eller S[2], Marcon R[3], Corrêa R[1], de Campos Buzzi F[1], Quintão NLM[1], Santin JR[1]. [1]Univali, Itajaí/SC, Brazil; [2]UFCSPA, Porto Alegre/RS, Brazil; [3]UFSC, Center for Innovation and Pre-Clinical Trials (CIEnP), Florianopólis/SC, Brazil *Thainá Omia Bueno Pereira* 06.046 **Effect of** Nebivolol on Nitric Oxide Pathway and Endothelial Cell Migration in an *in vitro* Model of Preeclampsia. Bueno-Pereira TO, Nunes-Santos K, Matheus MB, Zampieri GM, Nunes PR, Sandrim VC Department of Biophysics and Pharmacology, Institute of Biosciences of Botucatu / Unesp, Botucatu, São Paulo, Brazil *Barbara Behr Martins* 05.041 **Drp1 as a Potential Target for the Treatment of Paclitaxel-induced Neuropathic Pain**. Martins BB[1], Hösch NG[1], Cunha TM[2], Chiaratti MR[3], Mochly-Rosen D[4], Ferreira JCB[5], Zambelli VO[1]. [1]Butantan Institute, [2]FMRP-USP, [3]UFSCAR, [4]Stanford University, USA; [5]ICB-USP	
16h00-17h30	**E-Poster Session 2** (with Coffee-break)	

Totem 01

01. Cellular and Molecular Pharmacology (01.024 a 01.025)
04. Inflammation and Immunopharmacology (04.037 a 04.041)

Totem 02

02. Neuropharmacology (02.005, 02.008 a 02.012)

Totem 03

02. Neuropharmacology (02.019 a 02.020, 02.022, 02.024, 02.026 a 02.028)

Totem 04

02. Neuropharmacology (02.033 a 02.040)

Totem 05

03. Psychopharmacology (03.001 a 03.006)

Totem 06

04. Inflammation and Immunopharmacology (04.008, 04.10 a 04.014)

Totem 07

04. Inflammation and Immunopharmacology (04.025 a 04.026, 04.028 a 04.030, 04.032)

Totem 08

05. Pain and Nociception Pharmacology (05.006, 05.009 a 05.012, 05.014 a 05.016)

Totem 09

05. Pain and Nociception Pharmacology (05.019, 05.022, 05.026 a 05.031)

Totem 10

05. Pain and Nociception Pharmacology (05.032, 05.033, 05.035, 05.036, 05.039, 05.041)

Totem 11

06. Cardiovascular and Renal Pharmacology (06.004, 06.006 a 06.008, 06.013)

Totem 12

06. Cardiovascular and Renal Pharmacology (06.018 a 06.020, 06.022 a 06.025)

Totem 13

06. Cardiovascular and Renal Pharmacology (06.029, 06.032 a 06.034, 06.036 a 06.038, 06.046)

Totem 14

07. Endocrine, Reproductive and Urinary Pharmacology (07.006 a 07.013)

Totem 15

08. Respiratory and Gastrointestinal Pharmacology (08.001 a 08.007, 08.015, 08.016)

Totem 16

08. Respiratory and Gastrointestinal Pharmacology (08.017 a 08.022)

Totem 17

	09. Natural Products and Toxinology (09.015 a 09.018, 09.020, 09.022) **Totem 18** 09. Natural Products and Toxinology (09.033, 09.038 a 09.043, 09.045, 09.046) **Totem 19** 11. Clinical Pharmacology, Pharmacokinetics, Pharmacogenomics and Toxicology (11.001, 11.003 a 11.004, 11.006 a 11.009) **Totem 20** 11. Clinical Pharmacology, Pharmacokinetics, Pharmacogenomics and Toxicology (11.017 a 11.024, 13.001)		
17h30-19h30	**Symposia/Oral Communication**		
	Mediterrâneo Room	**Figueira Room**	**Adriático Room**
	S9 – **New Targets for Neuropathic Pain and Migraine-Related Pain Relief** **Chair:** Gabriela Trevisan dos Santos (UFSM) • *Autoantibodies* and pain Stuart Bevan (King´s College London, UK) • *Targeting mitochondria for chronic pain relief* Vanessa Olzon Zambelli (IBu) • *Contribution of Cav3.2 to migraine-related responses* in vivo *and* in vitro Juliana Geremias Chichorro (UFPR) • *TRPA1 and TRPV4 receptors as a new targets for pain control in multiple sclerosis* Gabriela Trevisan dos Santos (UFSM)	S10 – **PBPK**, **PBBM**, **POPPK**, **POPPKPD**, **QSP: What does this Alphabet Soup have to do with Pharmacology**? **Chair:** Teresa Dalla Costa (UFRGS) • *PBPK models to inform decision making in drug development: from early phases to formulation design* Manuel Ibarra (Universidad de la República, Uruguay) • *Where, when, and how can the population pharmacokinetics approach be applied in drug discovery and precision dosing*? Bibiana Verlindo de Araújo (UFRGS) • *Quantitative systems pharmacology: Current state and future opportunities* Stephan Schmidt (University of Florida, USA) • *Oral Communication 1: 11.026 Colchicine loaded-cationic nanocapsule suspension: formulation development and population pharmacokinetic modeling in female Wistar rats*. Maciel TR[1,2], Pacheco CO[1,2], Ribeiro ACF[1,3], Haas SE[1,2,3]. [1]Unipampa, Pharmacology and Pharmacometric Lab; [2] UFSM, Pharmaceutical Sciences Graduate Program; [3]Unipampa, Biochemistry Graduate Program,	**RT3 – Empowering women in Science and Technology: a roundtable discussion on equity** Chair: Patricia M. R. Silva Martins (Fiocruz) & Susan D. Brain (King´s College London, UK) • *Women in Science: The inconvenient Truth* Marcia Cristina Bernardes Barbosa (UFRGS, ex- Seppe-MCTI) • *Working towards a successful research culture* Susan D Brain (King´s College London, UK) • *Gender equity in science: the role of scientific societies* (Via Streaming) Pâmela Billig Mello Carpes (Unipampa) • *Just a latin-american (scientist) girl: a personal perspective on gender research* Isis Nem de Oliveira Souza (UFRJ, SBFTE Jovem)

		• Oral Communication 2: 11.019 *Is pharmacokinetic/pharmacodynamic models better than pharmacokinetic/pharmacodynamic indexes to select antimicrobial treatments? The ceftaroline case*. Dias BB[1], Helfer VE[1], Olivo LB[1], Zavascki AP[2,3], Dalla Costa, T[1], de Araújo BV[1] [1]UFRGS, Pharmacokinetics and PK/PD Modeling Lab, PPG Pharmaceutical Sciences, Brazil; [2]HCPA, Infectious Disease Service, Brazil; [3]UFRGS, Porto Alegre, Dpt of Internal Medicine	
21h00-00h00	Get together Party **Ocean Place** Av. Atlântica, 5700 Centro Balneário Camboriú SC		
October 10th, 2024(Thursday)			
08h00-12h00	**Cáspio Room**		
	Merging Scientific Discoveries with Artistic Expression - Iniciativas Educacionais SBFTE (IE-SBFTE) *I Mostra de Arte & Ciência SBFTE* (I Science and Art Exhibit – SBFTE)		
08h00-08h50	**Courses**		
	Mediterrâneo Room	**Figueira Room**	**Ártico Room**
	Cr1 – **Reliability, Transparency, And Quality: Tips from Obtaining Data To Completion** (*Confiabilidade, Transparência e Qualidade: Dicas desde a Obtenção dos Dados até a Conclusão*) (Presented in Portuguese) Chair: Janaína Menezes Zanoveli (UFPR) • Class 3: *Reproducibility crisis: possible causes, consequences and how we can get around them* (*Crise de reprodutibilidade: possíveis causas, consequências e como podemos contorná-las*) Janaína Menezes Zanoveli (UFPR)	Cr2 – **Experimental Models of Autism Spectrum Disorder (ASD) and Attention Deficit Hyperactivity Disorder (ADHD): Focus on Discovering new Therapeutic Targets (Modelos Experimentais dos Transtornos Do Espectro Autista (TEA) e Déficit de Atenção e Hiperatividade (TDAH): Foco na Descoberta de Novos Alvos Terapêuticos)** (Presented in Portuguese) **Chair:** Luisa Mota da Silva (UFSC) • Class 3: *Experimental models of ADHD: unraveling neurobiology and new*	Cr3 – **How to build a Vascular Aging Model: From Molecular Targets to Pharmacological Tools. (Como criar Modelos de Envelhecimento Vascular: de Alvos Moleculares às Ferramentas Farmacológicas)** (Presented in Portuguese and in English) **Chair:** Paulo de Assis Melo (UFRJ) • Class 3: *Exploring a new pharmacological approach to combat aging of the vasculature: focusing on the nitric oxide – cGMP signaling pathway and novel*

		therapeutic targets (*Modelos experimentais de TDAH: desvendando a neurobiologia e novos alvos terapêuticos*) Rui Daniel Schröder Prediger (UFSC	*mitochondrial regulator compounds* (*Novas ferramentas farmacológicas para combater o envelhecimento vascular: foco em compostos que atuam nas sinalizações mediadas por óxido nítrico – cGMP e nas mitocondrias*) Anton Roks (Erasmus University, The Netherlands)
09h00-10h30	**E-Poster Session 3**		
	Totem 01 01. Cellular and Molecular Pharmacology (01.001 a 01.006) **Totem 02** 01. Cellular and Molecular Pharmacology (01.007 a 01.011) 08. Respiratory and Gastrointestinal Pharmacology (08.008 a 08.009) **Totem 03** 01. Cellular and Molecular Pharmacology (01.017, 01.019 a 01.023) **Totem 04** 02. Neuropharmacology (02.006, 02.014 a 02.018) **Totem 05** 02. Neuropharmacology (02.021, 02.023, 02.025, 02.029 a 02.032) **Totem 06** 03. Psychopharmacology (03.014 a 03.019) **Totem 07** 03. Psychopharmacology (03.020 a 03.025) **Totem 08** 04. Inflammation and Immunopharmacology (04.007, 04.009, 04.015 a 04.018) **Totem 09** 04. Inflammation and Immunopharmacology (04.027, 04.031, 04.033, 04.034, 04.036) **Totem 10** 05. Pain and Nociception Pharmacology (05.034, 05.037, 05.038, 05.042 a 05.044) **Totem 11** 06. Cardiovascular and Renal Pharmacology (06.009 a 06.011, 06.014, 06.015) **Totem 12** 06. Cardiovascular and Renal Pharmacology (06.039, 06.041 a 06.044, 06.047 a 06.048)		

	Totem 13 06. Cardiovascular and Renal Pharmacology (06.049 a 06.056) **Totem 14** 08. Respiratory and Gastrointestinal Pharmacology (08.023, 08.024) 09. Natural Products and Toxinology (09.047 a 09.051) **Totem 15** 09. Natural Products and Toxinology (09.003, 09.005, 09.010 a 09.014) **Totem 16** 09. Natural Products and Toxinology (09.021, 09.023 a 09.028) **Totem 17** 10. Cancer Pharmacology (10.011 a 10.014) **Totem 18** 11. Clinical Pharmacology, Pharmacokinetics, Pharmacogenomics and Toxicology (11.002, 11.010) 12. Drug Discovery and Development (12.001 a 12.006) **Totem 19** 11. Clinical Pharmacology, Pharmacokinetics, Pharmacogenomics and Toxicology (11.025 a 11.028) **Totem 20** 14. Pharmacology: Other (14.005 a 14.012)
10h40-11h30	**Lectures**
	Mediterrâneo Room / **Figueira Room**
	 L6 – **Bioportide Technologies: New Biological Agents and a Platform for Drug Discovery** John Howl (Birmingham City University, UK) Presented by Erick José Ramo da Silva (Unesp-Botucatu)  L7 – **MEDUSA Project: A potential therapeutic effect of nanoencapsulated cannabidiol on Panic-Like Behaviour Elicited in Male Mice by** ***Bothrops jararaca*** **pit vipers** Norberto Cysne Coimbra (USP-RP) Presented by Gilberto de Nucci (Unicamp)
11h30-11h50	**Coffee-break** (**brunch**)
12h00-12h50	**Adriático Room**
	Closing Lecture
	 L8 – **miRNA Therapeutics: Lessons from Development of miR125b* and miR450a for Cardioprotection** Péter Ferdinandy (Semmelweis University, Hungary) Presented by Soraia K P Costa (USP-SP)
12h50-13h30	**Closing Ceremony**