

SBFTE

58th Brazilian Congress of Pharmacology and Experimental Therapeutics

60 Years of Brazilian Pharmacology

CONNECTING GENERATIONS WITH HEALTH INNOVATIONS

20th–23rd October 2026 | João Pessoa Convention Center | XX FeSBE Regional Meeting

MELHORES PAINÉIS 2026

58th Brazilian Congress of Pharmacology and Experimental Therapeutics

01. Cellular and Molecular Pharmacology

Undergraduate Student

Stella Maria Nascimento Macêdo

01.002 **Quinoxalinylhydrazone as a Potential HDAC Inhibitor in Acute Myeloid Leukemia (AML): Evaluation of Antileukemic Activity and Epigenetic Effects.** Macêdo SMN[1], Sales SLA[1,2], Mota JA[1,2], Gress LSB[1,2], Lima JM[1,2], Oliveira KAF[1], Bastos RS[1,2], Desiderio GA[1,2], Xavier EEP[1], Soares IF[1], Maranhão SS[1,3], Furtado CLM[4] and Pessoa C[1,2]. [1]UFC, Lab. of Experimental Oncology, Drug Research and Development Center, Brazil; [2]UFC, PPG Pharmacology, Brazil; [3]UFC, PPG Translational Medicine, Brazil; [4]UFMG, Dept Genetics, Ecology and Evolution, Institute of Biological Sciences, Brazil.

MSc Student

Áquilla Caroline de Sousa

01.010 **A BRET-Based Platform for the Study of the Angiotensin II Type 1 Receptor (AT1R) and the Bradykinin B2 Receptor (B2R) Non-Canonical Signaling.** Sousa AC[1], Santos AM[2], Rodrigues FC[3], Bouvier M[5], Parreiras-e-Silva LT[1,2,3,4] [1]FCFRP-USP, PPG Biosciences and Biotechnology, Brazil, [2]FMRP-USP, PPG Pharmacology, Brazil, [3]FMRP-USP, PPG Biochemistry, [4]FCFRP-USP, Brazil, [5]University of Montreal, Institute for Research in Immunology and Cancer, Canada.

PhD Student

Naiara Ayako Satori

01.015 **Extracellular cAMP–Adenosine Pathway Regulates β2-Adrenoceptor Agonist Anti-Proteolytic Effects in Skeletal Muscle Cells.** Satori NA, Godinho RO. Unifesp-EPM, Dept. of Pharmacology, Div. of Cellular Pharmacology; PPG Pharmacology, São Paulo, Brazil.

02. Neuropharmacology

Undergraduate Student

Beatriz Silva Piristrello

02.009 **Guarana Extract Modulates Antioxidant Responses and Oxidative Stress Resilience in TDP-43 Depleted Astrocytes.** Piristrello BS[1,2], Dale A[2], Levi J[2], Mendes FR[1], Sattler R[2] [1]Universidade Federal do ABC, São Bernardo do Campo SP, [2]Barrow Neurological Institute, Phoenix AZ

Thayna Fujisawa Lima

02.019 **Effects of the Lithium Treatment on Early Stage of Sporadic Alzheimer's (sAD) Disease in Male Rats.** Lima, TF, Kanazawa LKS, Fernandes, SMA, Vital, MABF. UFPR, Pharmacology Dept, Brazil.

MSc Student

Luan Araújo Monteiro

02.024 **Integrated Network Pharmacology, Molecular Docking, and Cellular Analysis of beta-Ciclodextrin Complexed 1,8-cineole in Parkinson´s Disease.** Araújo-Monteiro L[1], Carvalhinho-Lopes PS[1], Soares-Silva B[1], Donzelli NIZ[1], Quintans-Junior LR[2], Rando DG[3], Ribeiro AM[1] [1]Unifesp-Baixada Santista, PPG in Bioproducts and Bioprocesses, Brazil; [2]UFS, PPG in Pharmaceutical Sciences, Brazil; [3]Unifesp-Diadema, PPG in Pharmaceutical Sciences; Brazil.

Giovana Kummer da Rosa

02.031 **Genetic Mutations of Na+, K+-ATPase Involved in the Onset of Neurological Disorders – A Systematic Review.** Rosa GK[1,2], Ribeiro LR[1,2], Bariviera JL[1,2], Carneiro MA[2], Vargas, LS[2], Fonseca, CPW[2], Oliveira MS[1,2] [1]UFSM, PPG Pharmacology, Brazil, [2]UFSM, Lab Experimental Neurology

Gabriely dos Santos Penha

02.033 **Formulation and Characterization of an Octovespin Peptide Nanoemulsion for Intranasal Application for Alzheimer's Disease Treatment.** Penha GS[1,2,3], Santos VRM[1,2,3] Mota IFL[1,3], Resende MCS[1], Taveira RAA[1,3], Rabelo GS[1], Gomes CHF[1], Mortari MR[1], Camargo LC[2,3] [1]UnB, Darcy Ribeiro, Biology Institute, Dept Physiological Sciences, Neuropharma Lab, Brazil, [2]UnB, Darcy Ribeiro, Biology Institute, PPG Animal Biology, Brazil [3]UnB, Darcy Ribeiro, Psychology Institute, Psychobiology Lab, Brazil.

Mariana Roza Marco

02.039 **Impact of Acute and Repeated inhalation of** *Lavandula dentata* **Essential Oil on the Anxiolytic and Antidepressant-Like Behavior of Mice: A Comparative Study with** *Lavandula angustifolia***.** Marco MR, Flores VG, Blauth T, Silva GC, Barcellos ES, Prestes RNB, Mattos CB, Betti AH Feevale University, Institute of Health Sciences, Brazil

PhD Student

Victor Hadera

02.054 **Role of Microglia in Adolescent Stress-Induced Behavioral Impairments and Alterations in Parvalbumin Interneurons and their Perineuronal Nets in Adult Mice.** Hadera V[1], Bobotis B[2], Guimarães FS[1], Tremblay ME[2], Gomes FV[1] [1]FMRP-USP, Dept Pharmacology, Brazil; [2]University of Victoria, Medical Sciences Building, Canada

Leonardo Marensi Bastos

02.056 *In silico* **and Behavioral Evaluation of Geraniol and Geranyl Acetate Pharmacological Profile in Zebrafish.** Bastos LM[1,2], Fuentealba-Villarroel F[1,3], Gallas-Lopes M[1,2], Paulo M[1,2], Patelli-Alves A[1], Cardoso IP[1], Borges GO[1], Portela SM[1], Rosa GO[1], Costa PM[1,5], Herrmann AP[2], Rigo MM[4], Piato A[1,2,3] [1]UFRGS, Porto Alegre, Lab Psicofarmacologia e Comportamento, Brazil;

[2]UFRGS, Porto Alegre, PPG Farmacologia e Terapêutica, Brazil; [3]UFRGS, Porto Alegre, PPG Neurociências, Brazil; [4]UFRGS, Porto Alegre, PPG Genética e Biologia Molecular, Brazil; [5]UFCSPA, Porto Alegre, Brazil.

Heloisa Immianovsky Eisendecker
02.059 **Plumieride Attenuates Long-Term Behavioral, Oxidative, Neuronal, and Barrier Dysfunction Following Neonatal Carbonyl Iron Exposure in Rats.** Eisendecker HI[1], Harle M[1], Guimarães GM[1], Sievers J[1], Nilz ACS[1], Malheiros A[1], Dalmagro AP[1,2], Souza MM[1]. [1]Univali, Itajaí, Santa Catarina, Brazil. [2]FURB, Blumenau, Santa Catarina, Brazil.

03. Psychopharmacology

Undergraduate Student

João Victor Morais de Almeida
03.003 **Aminothiophene Derivative 7CN03 as a Potential Anti-Inflammatory Agent:** *In vitro* **Analysis of Nitrite and Cytokine Modulation in J774 Macrophage Culture.** Almeida JVM, Mendes LM, Naves FB, Pereira CHL, Alves HAR, Neri LCD, Teixeira JL, Cunha MVS, Barbosa NMMV, Martins AMO, Oliveira LN, Soares MFS, Monteiro AB, Felipe CFB, Silva PR. UFPB, Psychopharmacology Lab

MSc Student

Arthur Lins Dias
03.020 **Investigation of the Antinociceptive Effect of the Monoterpene Hydroxycitronellal in mice.** Dias AL[1], Remígio MCRB[2], Pires HFO[1], Gonçalves MCF[2], Neri LCD[1], Salvadori MGSS[1] [1]UFPB, PPG in Cognitive Neuroscience and Behavior, Brazil. [2]UFPB, Psychopharmacology Lab, Institute of Drugs and Medicines Research, Brazil

Estela Faria Costa
03.027 **Effects of Spermidine on Alcohol Consumption in a Two-Bottle Choice Model in Mice.** Costa EF[1], Zambon AF[2], Costa RCA[1]., Silva VS[1], Sena AF[3], Silva HC[4], Dias, ES[4], Schat LES[5], Macedo IK[6], Marinho ELM[5], Lima AJD[4], Marinho AVL[4], Mello CF[2] [1]UESC, PPG in Health Sciences; [2]UFSM, Dept Physyology and Pharmacology, PPG in Pharmacology; [3]UESC, PPG in Biology and Biotechnology of Microorganisms; [4]UESC, Dept Health Sciences; [5]UESC, Dept Biological Sciences; [6]UESC, Dept Agricultural and Environmental Sciences

PhD Student

Aldo Fonseca de Souza
03.034 **Role of 5-HT7 Receptors in the Dorsal Periaqueductal Gray in the Modulation Of Anxiety-Like Behavior.** Souza AF[1,2], Silveira MA[1], Gavioli, EC[1], Soares VP[1,2] [1]UFRN, Center for Biosciences, Dept Biophysics and Pharmacology, Brazil. [2]UFRN, Center for Biosciences, Dept Morphology, PPG Structural and Functional Biology, Brazil.

Rodrigo Sobral
03.038 **Effects of Aromatherapy with** *Citrus bergamia* **Essential Oil on Stress, Anxiety, and Depression in Public School Teachers: a Randomized Crossover Clinical Trial.** Sobral R[1], Santos HLS[1], Santos AF[2], Silva GNB[1], Silva BM[1], Sette-de-Souza PH[2], Albuquerque PBSA[1,2]. [1]UPE,

PPG Biologia Celular e Molecular Aplicada, Brazil, [2]UPE, PPG Saúde e Desenvolvimento Socioambiental, Brazil.

04. Inflammation and Immunopharmacology

Undergraduate Student

Gabriel Medeiros Pordeus

04.004FR **Influence of Different Resistance Training Volumes on Heart Rate Variability.** Pires KC[1], Vieira YLM[1], Rodrigues IJS[1], Flora JMG[1], Lacerda LT[1], Brandão CFCCM[1], Andrade MJO[2], Drummond LR[1] [1]UEMG, Dept Physical Education, Brazil; [2]UEMG, Dept Psychology, Brazil

Marciel Rosa de Sales

04.013 **Anti-Inflammatory and Antioxidant Effect of Glycitein in a Mouse Model of Ear Edema.** Sales MR, Nascimento ACS, Santos GJ, Souza DA, Nunes ERS, Brito SC, Grespan R, Aragão JMDA, Camargo EA. UFS, PPG Physiological Sciences, Brazil.

MSc Student

Vitor Mateus Machado Schneider

04.020 **Sexual Dimorphism in Viral Inflammatory Responses.** Schneider VMM, Alencar ST, Costa RA, Borges AP, Pereira V, Malheiros MB, Baggio FD, Zampronio RA UFPR

Myrele Raquel Ferreira Rodrigues

04.030 **Evaluation of the Anti-Inflammatory Potential of Morita-Baylis-Hillman Adduct CISACN in Acute Lung Injury- an** *in vitro*, *in vivo* **and** *In silico* **study.** Rodrigues MRF[1], Oliveira JB[1], Lima LM[2], Vieira CID[2], Ferreira LKD[2], Moura BVS[1], Laurentino MVS[1], Pordeus GM[2], Mota PRV[2], Gadelha FAAF[2], Lima-Júnior CG[3], Dejani NN[2], Piuvezam MR[2] [1]UFPB, Immunopharmacology Lab, PPG in Bioactive Natural and Synthetic Products, Brazil. [2]UFPB, Immunopharmacology Lab, Institute of Pharmaceutical and Medicinal Research, Brazil. [3]UFPB, Medicinal Organic Synthesis Lab, Paraíba, Brazil.

Ana Beatriz Rodrigues dos Santos

04.035 **Therapeutic Effects of Oral** *Lactiplantibacillus plantarum* **6. 2 Supplementation on Experimental Acute Lung Injury Progression.** Santos ABR[1], Candido JPS[1], Araújo RS[1], Pessoa WFB[2], Alves AF[1,2] [1]UFPB, Program in Natural and Synthetic Products Bioactive, Brazil. [2]UFPB, Biomedical Sciences Dept, Brazil.

PhD Student

João Batista de Oliveira

04.041 **Anti-Inflammatory Effect of the Synthetic Alkaloid Tetrahydroisoquinoline 2-(7-Methoxy-1,2,3,4-Tetrahydroisoquinoline-1-YL)Phenol (MTF) In Murine Models of Acute Inflammation.** Oliveira JB[1], Vieira CID[1], Lima LM[1], Moura BVS[1], Laurentino MVS[1], Mota PRV[1], Pordeus GM[1], Ferreira LKDP[2], Silva TG[1], Ferreira LAMP[1], Bernardo LR[1], Gadelha FAAF[3], Dejani NN[1], Piuvezam MR[1] [1]UFPB, Immunopharmacology Lab, Brazil, [2]UFAL, Center for Medical and Nursing Sciences, Brazil, [3]UFPB, Institute for Drug and Medicine Research, Brazil

Zara Désirée Tonidandel Campos

04.044 **PPAR-γ Participates in the Anti-Inflammatory and Immunomodulatory Action of Palmitoylethanolamide in Murine Graft-versus-Host Disease.** Tonidandel ZD[1], Linhares AFS[1], Ruggio GMF[1], Rocha ES[1], Sales MA[1], Galvão I[2], Rezende BM[3], Teixeira MM[2], Romero TRL[4], Pinho V[5], Castor MGM[4] [1]UFMG, PPG Pharmacology and Physiology, Brazil. [2]UFMG, Dept. of Biochemistry and Immunology, Brazil. [3]UFMG, Dept. of Pathology, Brazil. [4]UFMG, Dept. of Physiology and Pharmacology, Brazil. [5] UFMG, Dept. of Morphology, Brazil

Micheline Joana T. A. M Mesquita

04.053 **Ambroxol Repurposing: Radiographic and Histological Analysis of Joint Degeneration in an Experimental Osteoarthritis Model.** Mesquita MJTA, Cruz ACSN, Teixeira, JTAMMM, Reis ATF, Frota GM, Carvalho TGPM, Carvalho RAF, Teixeira JAM, Andrade, MS, Carvalho RC, Sousa EM, Sousa JCS, Morias SV, Cartágenes MSS, Garcia JBS UFMA PPG in Health sciences, Brazil; CEUMA, Medical School, University, Brazil; UFMA Medical School, Brazil; UFMA College of Pharmacy, Brazil; UFMA, Graduate Program in Biotechnology—Renorbio, Brazil; UFMA, PPG in Adult Health, Brazil; Graduate Program in Applied Biosciences to Health, UFMA Graduate Program in Health sciences, Brazil.

Ana Flávia Linhares Oliveira

04.060 **Graft-Versus-Host Disease Promotes Central Neuroinflammation and Glutamatergic Dysfunction Associated with Anxiety-Like Behavior in Mice.** Linhares AFS[1], Lima ALD[1], Berg BB[1], Rocha ES[2], Ruggio GMF[1], Sales MA[2], Silva MCM[1], Oliveira NFM[3], Campos ZDT[1], Vieira LB[4], Machado FS[5], Pinho V6, Teixeira MM[5], Oliveira ACP[4], Romero MGMC[4]. [1]UFMG, Graduate Program in Pharmacology and Physiology, Brazil; [2]UFMG, Undergraduate student in Biomedical Sciences, Brazil; [3]UFMG Graduate Program in Biochemistry and Immunology, Brazil; [4]UFMG Dept Physiology and Pharmacology, Brazil; [5]UFMG, Dept Biochemistry and Immunology, Brazil; [6]UFMG, Dept Morphology, Brazil.

05. Pain and Nociception Pharmacology

Undergraduate Student

João Pedro de Vargas Lopes

05.007 **Cannabinoid Receptor 2 as a Potential Therapeutic Target in an Experimental Model of Nociplastic Pain.** Lopes JPV, Atuati SF, Assis ACP, Oliveira SM. UFSM, Pain Neurobiology Lab, Graduate Program in Biological Sciences: Toxicological Biochemistry, Brazil.

MSc Student

Akleyton dos Santos Silva

05.018 **Nanosystems Containing α-Terpineol in the Treatment of Tumor-Induced Cancer Pain.** Silva AS[1], Gonçalves VSS[1], Souza JB1, Pacheco PGS[1], Barreto MS[1], Lisboa JS[1], Araújo ZS[2], Poderoso VM[3], Silva VGO[3], Sá MEB[3], Fagundes LS[3], Araujo DS[3], Amorim JCG[3], Guimarães AG[4]. [1]UFS, Graduate Program in Pharmaceutical Sciences, Brazil, [2]UFS, Graduate Program in Health Sciences, Lagarto Campus, Brazil, [3]LAFACE-UFS, Dept Pharmacy, Lab Clinical and Experimental Pharmacology, Brazil, [4]UFS, Dept Pharmacy, Brazil.

Ricardo Iuri Felix Morais

05.024 **Assessment of Cognitive Deficits and Emotional Symptoms in a Model of Complex Regional Pain Syndrome Type I and the Effect of Pregabalin in Mice.** Morais RIF[1], Antoniazzi CTD[1], Fim YV[2], Brito HA[2], Dalmolin L[3], Trevisan G[1]. [1]UFSM, PPG in Pharmacology, Brazil, [2]UFSM, Undergraduate Program in Pharmacy, Brazil, [3]UFSM, Undergraduate Program in Medicine, Brazil.

PhD Student

Thalita da Cruz Monteiro Santana

05.029 **Cannabidiol-Loaded Microemulsion Enhances Antinociceptive Efficacy and Modulates Neuroinflammatory and Oxidative Stress Pathways in Neuropathic Pain.** Santana TCM[1], Cruz ABO[2], Oliveira LGS[3], Lauria PSS[4], Nunes VLC[5], Brustolim, D[2], Egito EST[3], Viana MDM[2], Villarreal CF[1,2] [1]Fiocruz-BA, Gonçalo Moniz Institute, Brazil; [2]UFBA, School of Pharmacy, Brazil, [3]UFRN, Federal University of Rio Grande do Norte, Pharmacy Dept, Brazil; [4]Dept Cell Biology and Human Anatomy, University of California Davis, Sacramento, United States; 5UFBA, School of Medicine, Brazil

Natalia Garcia dos Santos

05.037 **Transcranial Direct Current Stimulation Attenuates Mechanical Hypernociception in Collagen-Induced Arthritis Mice without Modifying Disease Severity.** Santos, NG[1,2,3], Leite, ADD[2], Freitas, VS[2], Gaia, R[2], Flor, B[2,3], Vieira, MLG[2], Chapacais, GF[2], Pilotti, S[1,2,3], Stein, DJ[1,3], Torres, ILS[1,3], Xavier, RM[1,2]1UFRGS, School of Medicine, PPG in Medical Sciences, Porto Alegre, Brazil; [2]Hospital de Clínicas de Porto Alegre (HCPA), Division of Rheumatology, Lab Autoimmune, Porto Alegre, Brazil; [3]Hospital de Clínicas de Porto Alegre (HCPA), Lab Pain Pharmacology and Neuromodulation: Preclinical Investigations, Porto Alegre, Brazil

06. Cardiovascular and Renal Pharmacology

Undergraduate Student

Stefanie Carolina Azevedo Martins

06.003 **Testosterone Enhances Stress-Induced Tachycardia without Altering Autonomic Modulation in Female Rats.** Martins SCA[1], Belem IJA[1], Suzuki GMF[1], Lautherbach N[2], Kettelhut IC[2], Correa FMA[1], Tostes RC[1], Santos JD[1] [1]USP, Dept of Pharmacology, Brazil, [2]USP, Dept of Biochemistry and Immunology, Brazil

Ana Clara Romero Almeida

06.010 **Perivascular Adipose Tissue Dysfunction Induced by Acute Exposure to Cisplatin in male and female rats.** Almeida ACR, Jesus BR, Akamine EH ICB-USP, Dept. Pharmacology, Brazil. USP, Graduate Program in Functional and Molecular Biology, Brazil.

Ana Izabela de França Cordeiro

06.013 **Topical Treatment with a Lyophilized Hydroalcoholic Extract of** *Spondias tuberosa* **Fruit Peel Improves Erectile Function and Endothelial Reactivity in D-Galactose-Induced Aged Rats.** Cordeiro AIF, Soares EC, Gonçalves IGA, Veras RC, Medeiros IA UFPB, Lab Cardiovascular Pharmacology, PPG in Bioactive Natural and Synthetic Products / CCS, Brazil

MSc Student

Luiz Fernando Santos Matos

06.018 **Resistance Exercise Restores Cardiac Mechanical Function and Reduces Arrhythmogenic Susceptibility in Experimental Hypothyroidism.** Matos LFS[1]; Durço AO[2]; Bazilio JES [1]; Santos Júnior SA[1]; Miranda CM[1]; Gomes JVS[1]; Santana MNS[1]; Almeida MMSF[1]; Santo D[1] [1]UFS-São Cristovao, Heart Biophysics Lab, Dept, Brasil; [2]Unifesp, Cardiobiology Lab, Dept Biophysics, São Paulo, Brasil

Anne Tayna Stein

06.030 **Inosine-Induced Vasodilation Is Partially Mediated by Endothelial NMDA Receptor Activation.** Stein AT[1,2], Brazão SC[1,2], Autran LJ[1,2], Pereira NCA[1,2], Mendes ABA[1,2], Motta NAV[1,3], Lima GF[1,2], Brito FCF[1,2]. [1]UFF, Lab. of Experimental Pharmacology, Brazil, [2]UFF, PPG Biomedical Sciences (Physiology and Pharmacology), Brazil, [3]UFF, PPG Cardiovascular Sciences, Brazil.

PhD Student

Romulo Brenno Lopes Froes

06.038 **Distinct Glycation Modifications of Type I Collagen Differentially Regulate Platelet Reactivity.** Fróes RBL, Silva BS, Gaspar RS FCM-Unicamp, PPG Farmacologia, Lab Matriz Extracelular, Brasil.

Emerson Portela

06.043 **Cardiovascular Effect of Neryl Acetate in an Experimental ModeL of Hypertension and Hemostasis.** Portela, EP[1,2,3], Rêgo, A. F,[2,3], Silva, ND[1,2,3], Albuquerque, BA[1,2,3], Rocha, VA [1,2,3], Almeida, FRC[1], Oliveira, AP[1,2,3,4] [1]UFPI, PPG in Pharmacology, [2]UFPI-NPPM, Lab Cardiovascular Pharmacology-, [3]UFPI, Medicinal Plant Research Center, 4DUFPI, Dept Biophysics and Physiology-UFPI.

Thales de Mileto Henrique Dourado

06.050 **Mineralocorticoid Receptors Promote Th17 Polarization in Lymph Nodes while IL-17RA Drives Pro-Inflammatory Phenotypic Changes in Perivascular Adipose Tissue During Obesity.** Dourado TMH[1], Pimenta GF[1], Elias-Oliveira J[2], Rodrigues VF[2], Fazan-Junior R[3], Sartori DC[2], Tirapelli CR[4] [1]FMRP-USP, Depto Farmacologia; [2]FMRP-USP, Depto Bioquímica e Imunologia, [3]FMRP-USP, Depto Fisiologia; [4]FCFRP-USP, Depto Ciências BioMoleculares

Javanyr Frederico de Souza Junior

06.056 **Carvacrol Attenuates TRPV4 Agonist-Induced Calcium Influx and Membrane Depolarization in Rat Pulmonary Artery Smooth Muscle Cells: Experimental and Computational Evidence.** Souza Júnior JF[1,2], Sousa NF[2,3,4], Scotti L[2,3,4], Scotti MT[2,4], Guibert C[5], Quignard J-F[5], Medeiros IA[1,2,3] [1]UFPB, Cardiovascular Pharmacology Lab, Brazil. [2]UFPB, Graduate Program in Bioactive Natural and Synthetic Products, Brazil. [3]UFPB, Dept Pharmaceutical Sciences, Brazil. [4]UFPB, Cheminformatics Lab, Brazil. [5]Université de Bordeaux, Centre de Recherche Cardio-Thoracique de Bordeaux, INSERM, France

07. Endocrine, Reproductive and Urinary Pharmacology

Undergraduate Student

Carlos Eduardo Dias Santos

07.003 **Low-Dose Cannabidiol plus β-Estradiol Improve Symptoms Compared with Estrogen Replacement Therapy in a Rat Model of Menopause.** Santos CED[1], Moreno AVP[1], Bezerra HRR[1], Belfort MFA[1], Palhano NBM[1], Baltazar RS[1], Borges, MOR[1,2], Faria, M[1], Teixeira, CVP[1], Crippa, A[3], Hallak, JEC[3], Borges, ACR[1,2], Brito HO[1]. [1]NEC-UFMA, Research Center for Experimental and Clinical Physiopathology and Pharmacology, Brazil; [2]UFMA, Pharmacology Lab, Brazil; [3]FMRP-USP, Brazil

MSc Student

Tiago Marinho Barbalho

07.009 **Assessing Temporal Effects of Bladder Dysfunction in C57BL/6JUnib Mice Using Multiple-Low Dose of Streptozotocin-Induced Diabetes.** Barbalho TM, Horioka CP, Leutz MC, Medeiros ML, Oliveira AL, Antunes E. Unicamp, PPG Farmacologia, Brasil.

08. Respiratory and Gastrointestinal Pharmacology

Undergraduate Student

Clarisse Castor Maia de Lima

08.011 **Brown Propolis from** *Mimosa tenuiflora* **Prevents Airway Hyperreactivity through Multitarget Mechanisms in Ovalbumin-Induced Asthmatic Rats.** Lima CCM[1], Felício IM[2], Alves BFL[3], Souza MLB[1], Figueiredo IAD[2], Silva TMS[4], Picot, L[5]; Cavalcante FA[2,6] [1]UFPB, Pivic/UFPB, Brazil; [2]UFPB, CCS, PPgPNSB, Brazil; [3]Pibic/CNPq/UFPB; [4]UFPE, DQ, Brazil; [5]La Rochelle Université, LIENSs, France; [6]UFPB, CCS, DCB, Brazil

Antonia Beatriz Alves Ferreira

08.015 **Effect of LASSBio-468 on 5-fluorouracil-induced intestinal mucositis in mice.** Ferreira ABA[1], Monteiro CES[1], Franco AX[1], Silva BVL[1], Silva TML[1], Sales TMAL[2], Alicrim SAC[1], Monte AVO[1], Lopes AS[1], Souza MHLP[1], Soares PMG[1] [1]UFC, Lab Gastrointestinal Physiopharmacology Studies, Brazil; [2]USP, Immune Health Lab, Brazil.

PhD Student

Ogenya Rafaela Bispo de Souza

08.025 **Effect of Farnesol Complexed with β-Cyclodextrin in a Model of Bronchial Asthma Induced by Ovalbumin** *In vitro* **and** *in vivo***.** Souza ORB[1], Oliveira MM[1], Silva RLT[1], Filho-Reis AC[1], Martins HRS[1], Reis ML[1], Sousa RWR[1,2], Ferreira PMP[1,2,3], Quintans, JSS[4], Quitans-Júnior LA[4], Oliveira AP[1], Almeida FRC[1], Santos, RF[1], Oliveira RCM[1] [1]UFPI, Health Sciences Center, PPG Pharmacology, Brazil. [2]UFPI, Lab Experimental Cancerology (LabCancer), Dept Biophysics and Physiology. [3]LOE-UFC, Lab Experimental Oncology, Dept Physiology and Pharmacology. [4]LANEF-UFS, Lab Neurosciences and Pharmacological Assays, Dept Physiology, PPG Health Sciences, Brazil.

Stherfanni Almeida Lima Moura

08.034 **The Gut After Sepsis: Persistent Intestinal Dysmotility and Sex-Related Differences.** Lima-Moura SA, da Silva-Santos JE UFSC, Lab Cardiovascular and Smooth Muscle Biology, Dept Pharmacology, SC, Brazil.

Abdourahmane Dairou

08.035 **Effects of Bile Acids on Tracheal and Aortic Smooth Muscle Contractility in Isolated Rat Preparations.** Abdourahmane D, Sampaio MS, Magalhães PJC UFC, Lab Smooth Muscle Pharmacology, PPG Pharmacology, Brazil

09. Natural Products and Toxinology

Undergraduate Student

Kassandra Giselle Rojas de Araújo

09.015 **Glycosylated withanolide from** *Athenaea velutina* **Suppresses the Inflammatory Response in Macrophages via Inhibition of NF-κB, JNK, and iNOS.** Da Silva LR[1], de Araújo KGR[1], Ribeiro MS[1], Rocha LM[1], Mendonça LS[2], Silva JGP[1], Procopio GS[1], Ferreira AGG[1], Pessoa ODL[2], Santos FA[1]. [1]UFC, Dept Physiology and Pharmacology, Natural Products Lab, Brazil. [2]UFC, Science Center, Dept Organic and Inorganic Chemistry, Brazil.

Jose Edvaldo Cavalcanti de Sousa Filho

09.019 *Arthrospira platensis* **Prevents Uterine Hypercontractility Via Inhibition of Prostanoid and Nitric Oxide Pathways and Calcium Sensitization in a Wistar Female Rat Model of Primary Dysmenorrhea.** Sousa-Filho JEC[1], Silva JMA[1,2], Melo MB[1], Barbosa, YV[1,2], Santos TJ[1], Diniz AFA[1,2], Arruda RRA[1,2], Claudino BFO[1,2], Soares MFS2, Barros BC[1,2], Silva BA[1,2,3] [1]UFPB, Lab Functional Pharmacology Prof. George Thomas, Institute of Research in Drugs and Medicines, Brazil; [2]UFPB, PPG in Bioactive Natural and Synthetic Products, Health Sciences Center, Brazil; [3]UFPB, Dept Pharmaceutical Sciences, Health Sciences Center, Brazil

Hemilly Fernandes da Silva

09.028 **Evaluation of the Interaction Between Varespladib and Bothropstoxin-II Isolated from** *Bothrops jararacussu* **Venom on the Mouse Neuromuscular Junction.** Silva HF[1], Pereira ES[1], Ortolani PL[2], Fortes CL[2], Cavalcante WLG[1] [1]UFMG, ICB, Dept. Pharmacology, Brazil; [2]FUNED, CPD, Brazil

Maria Eduarda Martins Pereira

09.034 **Lyophilized Hydroalcoholic Extract of** *Spondias tuberosa* **Arruda Leaves Reduces D-Galactose-Induced Oxidative Stress and Cellular Senescence-Associated β-galactosidase Activity in Endothelial Cells.** Pereira MEM[1], Gomes MLC[1,2], Albuquerque MN[1], Souza CMO[1,2], Fernandes GFS[1], Oliveira JCPL[1,2], Oliveira GD[5], Medeiros KCP6, Farias LRT[4], Langassner SMZ[4], Nascimento YM[2,5], Veras RC[1,2,3], Medeiros IA[1,2,3], Araújo IGA[1,2,3] [1]UFPB, Cardiovascular Pharmacology Lab, Institute for Drug and Medicine Research, Brazil. [2]UFPB, PPG in Bioactive Natural and Synthetic Products (PgPNSB), Health Sciences Center, Brazil. [3]UFPB, Dept Pharmaceutical Sciences, Health Sciences Center, Brazil. [4]UFRN, Pharmacognosy Lab, Brazil. [5]UFPB, Multi-User Lab for Characterization and Analysis, Brazil. 6UFRN, Dept Morphology, Brazil.

Milena Nóbrega Albuquerque

09.040 **Protective Effects of** *Spondias tuberosa* **Arruda Fruit Peel Extract on Oxidative Stress and Senescence-Associated β-Galactosidase Activity in D-Galactose-Induced Endothelial Senescence Model.** Albuquerque MN[1], Gomes MLC[1,2], Pereira MEM[1], Souza CMO[1,2], Fernandes GFS[1], Oliveira JCPL[1,2], Oliveira GD[2,5], Medeiros KCP[6], Farias LRT[4], Langassner SMZ[4], Nascimento

YM[2,5], Veras RC[1,2,3], Medeiros IA[1,2,3], Araújo IGA[1,2,3]. [1]UFPB, Cardiovascular Pharmacology Lab, Institute for Drug and Medicine Research, Brazil. [2]UFPB, PPG in Bioactive Natural and Synthetic Products (PgPNSB), Brazil. [3]UFPB, Dept Pharmaceutical Sciences, Brazil. [4]UFRN, Pharmacognosy Lab, Brazil. [5]UFPB, Multi-User Lab for Characterization and Analysis, Brazil. [6]UFRN, Dept Morphology, Brazil.

MSc Student

Elizabeth Costa Sobral de Albuquerque

09.054 *Spondias tuberosa* **Arruda Extract Attenuates Pulmonary Oxidative Stress and Modulates NF-κB/P-JNK Signaling in Streptozotocin-Induced Diabetic Mice.** Albuquerque ECS[1], Pires LAB[1], Sena VNF[1], Donato FF[1], Albuquerque IA[2], Vieira RR[3], Santos DD[3], Gil CD[3], Medeiros KCP[1]. [1]UFRN, PPG Structural and Functional Biology, Brazil, [2]UFPB, Dept Pharmaceutical Sciences, Brazil [3]Unifesp, PPG Structural and Functional Biology, Brazil.

Alef Batista Bezerra Barros

09.069 **Uvaol Mitigates TGF-β1-Induced Activation of Human Hepatic Stellate Cells Through Anti-Inflammatory and Antioxidant Mechanisms.** Barros ABB[1], Ferreira EGA[1], Fidelix MSP[1], Pereira JP[1], Lagente V[2], Barreto E[1] [1]UFAL, Lab Cell Biology, Brazil. [2]UMR991-INSERM, Université de Rennes 1, Rennes, France.

PhD Student

Isabele Nascimento Oliveira

09.074 **Cardiotoxicity of Snake Venoms and Toxins Assessed Using Cockroach (***Nauphoeta cinerea***) Semi-isolated Heart Preparations.** Oliveira IN[1], Silva AB[1], Oliveira RS[1], Dias DRC[2], Guimarães MP[3], Vinadé L[4], Dal Belo CA[1,3], Silva Júnior NJ[5], Hyslop S[1] [1]Unicamp, Faculty of Medical Sciences, Dept Pharmacology, Pharmacology Graduate Program, Brazil; [2]UFES, Dept Statistics, Brazil; [3]Unifesp-Osasco, Paulista School of Politics, Economics and Business, Multidisciplinary Dept, Campus, Brazil; [4]Unipampa, São Gabriel Campus, Brazil; [5]PUC-GO, Graduate Program in Environmental and Health Sciences, Brazil.

Letícia Alves Borges e Pires

09.089 **Hepatoprotective Effect of** *Spondias tuberosa* **Arruda Extract in Experimental Diabetes and Isolated Hepatocyte Cell Line: Involvement of Oxidative Stress and the PI3K/AKT Pathway.** Pires, LAB[1], Sena, VNF[1], Felipe, FD[2], Vilar, NF[2], Araújo Júnior, RF[2], Vieira, RR[3], Gil, CD[3], Santos, DD[3], Medeiros, IA4, Gonçalves, IGA4, Medeiros, KCP[2] [1]UFRN, Biosciences Center, Graduate Program in Structural and Functional Biology, Brazil, [2]UFRN, Biosciences Center, Dept Morphology, Brazil; [3]Unifesp-EPM, Lab Morphological Sciences and Inflammation, Brazil; [4]UFPB, PPG in Bioactive Natural and Synthetic Products, Brazil

10. Cancer Pharmacology

Undergraduate Student

Clarissa Moraes de Castro

10.005 **Antileukemic Activity of LOE227, a Novel N-Aryl Azacoumostan, and its Synergism with the Apoptosis Inducer Venetoclax.** Castro CM[1], Feijó JRN[1], Novas RCV[2], Vieira JBN[1,3], Desidério GA[1,3], Carvalho MT[2], Lima JM[1,3], Bastos RS [1], Paier CK[1], Carneiro LSA[4], Pessoa C[1,3],

Buarque CD[2] [1]UFC, Lab. of Experimental Oncology, Drug Research and Development Center, Brazil; [2]PUC-Rio, Dept Chemistry, Brazil; [3]UFC, PPG Pharmacology, Brazil; [4]UFRRJ, Dept Organic Chemistry, Institute of Chemistry, Brazil

Leia Costanzi Strauss
10.007 **Evaluation of BPO-DPPV as a Cytotoxic Agent Against** *in vitro***-Induced Chemoresistant Osteosarcoma Cells.** Strauss LC, Pereira THR, Zamariolli LS, Moura TR, Netto AVG, Bincoletto C Unifesp-EPM, Depto Farmacologia, Unesp-Araraquara, Instituto de Química

Bianca de Souza Bezerra
10.013 **WIN55,212-2 Reduces Cell Migration in a Murine Colorectal Adenocarcinoma Cell Line (CT26. WT) Through Alterations in Oncogenic Pathways.** Bezerra BS[1], França JC[2], Pereira AF[2], Nascimento RR[2], Moura MNS[2], Moraes MEA[3], Wong DVT[2], Brito DMS[4], Zelaya EAE[4], Oliveira LLB[3], Paier CRK[3], Montenegro RC[4], Souza PFN[4], Vale ML[2] [1]UFC, Faculty of Medicine, Lab Inflammation and Cancer Pharmacology, Brazil; [2]UFC, Faculty of Medicine, Lab Inflammation and Cancer Pharmacology, PPG Pharmacology, Brazil; [3]UFC, Faculty of Medicine, Lab Experimental Oncology, PPG Pharmacology, Brazil; [4]UFC, Faculty of Medicine, Lab Pharmacogenetics, PPG Pharmacology, Brazil

Jocyellen da Silva Rodrigues
10.026 **A Selenium Compound Induces Apoptotic Cell Death in HeLa Cervical Cancer Cells.** Rodrigues JS[1], Loureiro PBA[2], Farias APGM[2], Amorim GMW[2], Pereira ERM[2], Souza HDS[4], Silva ICF[2], Marques KKG[2], Queiroga LM[2], Scotti L[3], Scotti MT[3], Souza NF[3], Athayde Filho PFA[4], Sobral MV[2], Gonçalves JCR[2] [1]UFPB, Health Sciences Center, ONCOFAR, Undergraduate in Pharmacy, Brazil, [2]UFPB, Health Sciences Center, ONCOFAR, PPG in Bioactive Natural and Synthetic Products, Brazil, [3]UFPB, Health Sciences Center, PPG in Bioactives Natural and Synthetic Products, Brazil, [4]UFPB, PPG in Chemistry, Brazil.

MSc Student

Jéssica Almeida Mota
10.031 **Evaluation of the Compound LOE2208 as a potential epigenetic modulator in the Treatment of Acute Myeloid Leukemia (AML).** Mota JA[1,2], Sales SLA[1,2], Manso MP[3], Bastos RS[1,2], Gress LSB[1,2], Desiderio GA[1,2], Oliveria KAF[1], Macêdo SMN [1], Vieira-Neto JB[1,2], Scandolara TB[1], Maranhão SS[1,2], Pessoa CÓ[1,2], Furtado CLM[4]. [1]UFC, Lab. of Experimental Oncology, Drug Discovery and Development Center, Brazil; [2]UFC, PPG in Pharmacology. [3]INCA, Research Center, Brazil. [4]UFMG, Dept Genetics, Ecology and Evolution, Institute of Biological Sciences, Brazil.

Karla Darlianny Mourão Cavalcante
10.035 **VLA-4 Integrin and VEGFR Blockade Regulates B16F10 Melanoma Adhesion, Migration and Proliferation.** Cavalcante KDM[1], Cavalcante MLS[1], Paixão MS[2], Lima KFN[1], Monte SJH[3], Pereira EM[3], Guimarães PPG[4], Sousa JMC[5], Ferreira PMP[1,6,7], Dittz D[1,5] [1]UFPI, Graduate Program in Pharmacology, Brazil; [2]UFPI, School of Pharmacy, Brazil; [3]UFPI, Immunogenetics and Molecular Biology Lab (LIB), Brazil; [4]UFMG, Dept Biophysics and Physiology, Brazil; [5]UFPI, Dept Biochemistry and Pharmacology, Brazil; [6]UFPI, Experimental Cancerology Lab (LabCancer),

Brazil; [7]UFC, Experimental Oncology Lab (LOE), Drug Development Research Center (NPDM), Brazil.

PhD Student

Rafael Sampaio Pimentel

10.038 **Decyl Butyrate-Loaded Cubosomes: A Nose-to-Brain Approach Against Glioblastoma in a Preclinical Model.** Pimentel RS[1,7], Souza LCS[1,7], Ribeiro IRS[2], Silva FFF[3], Santos ARC[4,7], Eberhardt MJ[5], Spingolon G[5], Castro NET[5], Silveira ER[6], Santos DYAC[6], Rocha HVA[3], Martins MA[1,7], Frozza RL[4,7], Poletto F[5], Bernardi A[1,7]. [1]Fiocruz, Lab. of Inflammation, Brazil. [2]CNPEM, Brazilian Synchrotron Light Lab., Brazil. [3]Fiocruz, Lab. of Micro and Nanotechnology, Brazil. [4]Fiocruz, Lab. on Thymus Research, Brazil. [5]UFRGS, PPG Química, Brazil. [6]USP, Lab. of Phytochemistry, Brazil. [7]Fiocruz, PPG Biologia Celular e Molecular, Brazil.

Carlos Roberto Fernandes

10.039 **Investigation of a Low-Anticoagulant Heparin with the Potential to Inhibit Cancer Dissemination by Blocking Tumor Cell–Endothelium Interactions.** Roberto-Fernandes C, Motta JM, Lima AGF, Morandi V, Mourão PAS, Pereira MS. UFRJ, HUCFF, Brazil; UERJ, Lab. of Endothelial Cell Biology and Angiogenesis, Brazil.

Nemes Veiga Pacheco Silva

10.048 **Extracellular Vesicle-Mediated Modulation of the Melanoma-Macrophage Axis: A New Pharmacological Approach Using Low-Anticoagulant Heparin.** Pacheco-Silva NV[1], Cahu TB[1,2], Thaumaturgo MAS[2], Santos RCM[2], Bagri KM[3], Mermelstein C[3], Rizzo J[4], Castelo-Branco MTL[1], Todeschini AR[2], Pereira MS[1]. [1]UFRJ, HUCCFF, Brazil, [2]UFRJ, Lab Gliocobiologia Estrutural e Funcional, Brazil, [3]UFRJ, Lab Diferenciação Muscular, Instituto de Ciências Biomédicas, Brazil, [4]UFRJ, Lab Físico-Química Biológica Aída Hassón Voloch, Brazil.

Railson Pereira Souza

10.058 **Antiproliferative Activity and Toxicological Profile of the Hexanic Fraction of *Tocoyena hispidula* Standl. Stems on Eukaryotic Models.** Souza RP[1], Rocha KF[1], Cruz RLC[2], Sousa RCL[3], Esteves JC[4], Sousa EA[5], Freitas MM[3], Sousa RWR[3], Oliveira ECA[2], Ferreira PMP[3],6, Chaves MH[5], Oliveira AP[1] [1]UFPI, Lab Cardiovascular Pharmacology (Lafac), Dept Biophysics and Physiology, PPG Pharmacology; [2]UFPI, Lab Toxicological Genetics (Getox), Dept Biochemistry and Pharmacology; [3]UFPI, Lab Experimental Cancerology (LabCancer), Dept Biophysics and Physiology; [4]UFPI, Lab for Research in Toxicological Genetics (Lapgenic); [5]UFPI, Lab Natural Products, Dept Chemistry; 6UFC, Lab Experimental Oncology (Loe), Dept Physiology and Pharmacology, Brazil.

11. Clinical Pharmacology, Pharmacokinetics, Pharmacogenomics and Toxicology

Undergraduate Student

Beatriz Bueno Catela

11.002 **Bothrops Venoms Induce a Bell-Shaped Effect on Platelet Aggregation.** Catela B[1], Pagliarani J[1], Zani KM[2], Gaspar RS[1] [1]Unicamp, Extracellular Matrix Lab, Brazil. [2]IBu, São Paulo, Brazil.

Weslei Talhaferro Batista

11.011 **Pharmacological Potential of an Isatin-Derived Oxime against Cellular Oxidative Damage Induced by subchronic exposure to Organophosphate Pesticide.** Batista WT, Comis Neto AA, Luzardo BFSL, Gomes J, Rodrigues ES, Fontoura EA, Strebs BL, Rosa SG, Pinton S. Unipampa-Uruguaiana, RS, Brazil.

MSc Student

Juliana Grossi Pessoni

11.012 **Racial and Ethnic Influences on Post-transplant Complications in a 634-recipient Allogeneic Hematopoietic Cell Transplant Cohort Using Cyclosporine and Tacrolimus.** Pessoni JG[1], Costa-Junior LC[2,3], Leão AM[4,5], Izu M[3], Tavares RC[3], Maradei SC[3], Moreira MC[3,6], Nogueira MC[3], Lerner D[3], Bino FG[7,5], Moriel P[8], Fernandez TS[4], Santos PC[1,2] [1]EPM-Unifesp, Department of Pharmacology, São Paulo, Brazil, [2]FMUSP, Postgraduate Program in Medical Sciences, São Paulo, Brazil, [3]INCA, Bone Marrow Transplant Center, Rio de Janeiro, Brazil, [4]INCA, Cytogenetic Laboratory, Cell and Gene Therapy Program, Rio de Janeiro, Brazil, [5]Unigranrio, Duque de Caxias, Brazil, [6]UFRJ, Bone Marrow TransplantProgram, Rio de Janeiro, Brazil, [7]UFRJ, Division of Nephrology, Rio de Janeiro, Brazil, [8]Unicamp, Faculty of Medical Sciences, Campinas, Brazil

Laura Piloneto Lima Hoefel

11.024 **Beyond Addiction: Proteomic Evidence of Neurodegeneration Across Brain Regions in Alcohol Use Disorder.** Hoefel LPL[1,2], Almeida FB[1,3], Schons T[1], Ferreira CF[1], Rosa AR[1], Gomez R[1]. [1]UFRGS, PPG em Farmacologia e Terapêutica (PPGFT), UFRGS, Porto Alegre, RS; [2]UFRGS, PPG em Genética e Biologia Molecular (PPGBM), UFRGS, Porto Alegre, RS; [3]Hospital Moinhos de Vento, Faculdade de Ciências da Saúde Moinhos de Vento (FACSMV), Porto Alegre, RS

12. Drug Discovery and Development

Undergraduate Student

Amanda Gabriel Valente

12.005 **Evaluation of the Antinociceptive Potential of Oxyethylariamides in Experimental Pain Model.** Valente AG, França PRC, Franco GRR, Silva IMF, Viegas-Junior C, Fernandes PD UFRJ, Institute of Biomedical Science, Lab Pharmacology of Pain and Inflammation, PPG Pharmacology and Medicinal Chemistry, Brazil, UFAL, Chemistry Institute, Medicinal Chemistry Research Lab, PPG Pharmaceutical Sciences, Brazil.

Yasmin dos Santos Albuquerque

12.006 *In vitro* **Evaluation of the Anti-Leishmania Potential of Isatin-Derived Cyanohydrazones Against** *Leishmania infantum***.** Albuquerque YS[1], Machado GR[1], Fernandes ALM[1], Ferreira RS[1], Cardoso LL[1], Santos ESFR[2], Lima-Junior CG[2], Keesen TSL[1] [1]UFPB, Immunology Lab Infectious Diseases, Brazil, [2]UFPB, Lab Medicinal Organic Synthesis, Brazil

Gabriella Ranieri Alves dos Santos

12.016 **Formulation and Characterization of Resveratrol-Loaded Cubosomes for Improved Therapeutic Efficacy.** Santos GRA[1], Santos GCM[1,2,3], Pimentel RS[1,3], Bernardi A[1,2,3], Martins MA[1,2,3] [1]Fiocruz, Lab Inflammation, Brazil. [2]Fiocruz, Preclinical Pharmacokinetic Platform, Brazil. [3]Fiocruz, PPG Biologia Celular e Molecular, Brazil.

MSc Student

Gabriel Alves Desiderio

12.021 **Development of a Functional Screening Platform Targeting the Mitotic Kinesin Eg5 for Anticancer Drug Discovery.** Desiderio GA[1,2], Salviano RA[1], Silva AS[1], Mota JF[1], Macêdo SMN[1], Castro CM[1], Mota JA[1,2], Gress LSB[1,2], Feijó-Neto JRF[1], Sousa GC[1,3], Sales SLA[1,2], Almeida MCM[1,4] Costa PMS[1], Pessoa C[1,2,3], Paier CRK[1,2,4] [1]UFC, Lab. Experimental Oncology, Brazil [2]UFC, PPG Pharmacology, Brazil [3]UFC, Northeast Biotechnology Network, Brazil [4]UFC, PPG Translational Medicine, Brazil

13. Pharmacology Education

Undergraduate Student

Kalyne Brito Souza de Almeida

13.004 **Development and Acceptance Evaluation of a Didactic Board Game as an Active Learning Tool for G Protein-Coupled Receptor Pharmacology.** Almeida KBS[1], Souza JB[1], Barreto MS[1], Santana ALS[2], Louzada RN[2], Lima YRS[2], Gomes VS[2], Guimarães AG[1] [1]UFS, Dept. of Pharmacy, Lab. of Clinical and Experimental Pharmacology, Brazil; [2]UFS, CCBS, Brazil

14. Pharmacology: Other

Undergraduate Student

Rayssa Bruna Pereira da Silva

14.001 **Evaluation of the** *In vitro* **Antifungal Activity of 2-Benzyl-5-Methylbenz(d)oxazole against** *Nakaseomyces glabratus* **(***Candida glabrata***) isolates.** Dos Santos AC[1,2], Da Silva RBP[2], De Souza LDG[2,3], Da Silva EVA[2,3], Emídio JJ[1], De Sousa DP[1,4], Rocha WPS[2,3,4], Guerra FQS[1,2,3,4] [1]UFPB, Center for Health Sciences, PPG in Bioactive Natural and Synthetic Products, Brazil, [2]UFPB, Center for Health Sciences, Clinical Mycology Lab, Brazil, [3]UFPB, Center for Health Sciences, PPG in Dentistry, Brazil, [4]UFPB, Health Sciences Center, Dept Pharmaceutical Sciences, Brazil

Isaac Moura Araujo

14.010 **Adjuvant Effect of Meldrum's Acid Derivatives on Antibiotic Activity against Multidrug-Resistant Bacteria.** Araújo IM, Silva AA, de Morais LP, Machado AJT, Almeida FF, de Matos YMLS, Gondin CNFL, Begnini IM, Rebelo RA, Coutinho HDM URCA, Brazil, FURB, Brazil

PhD Student

Bruna Isadora Pilger

14.019 **The Polysaccharides in Passion Fruit Peel Attenuate Acute Hepatotoxicity Through Redox and Metabolic Modulation.** Pilger BI[1], Leal LE[1], Cordeiro LMC[2], Brownlee I[3], Acco A[1] [1]UFPR, Dept Pharmacology, Brazil, [2]UFPR, Dept Biochemistry and Molecular Biology, Brazil, [3]Northumbria University, Dept Applied Sciences, England

XX FeSBE Regional Meeting

04. Biology and Cardiovascular Diseases

MSc Student

Anna Bhetriz Gomes F. Marinho

04.005FR **Gut Microbiota and Cardiometabolic, Nutritional, and Redox Markers in Schoolchildren: A Cross-Sectional Study.** Marinho ABGF[12], Pereira JG[12], Nascimento MBESPN[12], Chongo CM[12], Silva RCF[3], Cruz HLA[4], Falcão RM[4], Simões-Alves AC[12], Balbino VQ[4], Morio B[5], Costa-Silva JH[12] [1]Lab Multiusuário de Avaliação Física e Processamento de Sinais, Centro Acadêmico de Vitória, Universidade Federal de Pernambuco, Brasil; [2]NAFPF-CAV-UFPE Lab Multiusuário em Nutrição, Atividade Física e Plasticidade Fenotípica, Brasil; [3]LABMEX-CAV-UFPE Lab Multiusuário de Bioquímica Geral, Molecular e do Exercício, Brasil; [4]Lab Bioinformática e Biologia Evolutiva, Centro de Ciências da Saúde, Universidade Federal de Pernambuco, Brasil; [5]Université Claude Bernard Lyon, França.

06. Biology and Metabolic and Reproductive Diseases

Undergraduate Student

Elyne Kelly Lisboa Silva

06.009FR **Influence of the Polar Fraction of *P. aculeata* on Glycemia and Food Intake in Female Wistar Rats.** Silva EKL[1], Silva JCF[1], Franco ES2, Maia MBS2, Souto VS[1], Feitoza LHS[1], Barros CFN[1], Francelino JO[1], Araújo FWC[1], Nascimento E[1]. [1]UFPE, Dept Nutrition, Brazil. [2]UFPE, Dept Physiology and Pharmacology, Brazil.

PhD Student

Marina dos Santos Carvalho

06.014FR **Metabolic Benefits of Tauroursodeoxycholic Acid, Alone or Combined with Resistance Exercise, in Aging Mice.** Carvalho MS, Zangerolamo L, Barrios NMF, Oliveira KM, Carneiro EM, Barbosa HCL. Unicamp, Obesity and Comorbidities Research Center, PPG Molecular and Morphofunctional Biology, Brazil. Université de Montréal, Dept Pharmacology and Physiology, Faculty of Medicine, Canada. Unicamp, Lab Nutrition and Cancer, PPG Molecular and Morphofunctional Biology, Brazil.

10. DOHaD and Developmental Biology

Undergraduate Student

Gustavo Monezzi Cordeiro

10.005FR **Maternal Protein Restriction Reprograms the Pituitary Gland in a Sex-Specific Manner from Early Life to Old Age.** Cordeiro GM, Fioretto MN, Barata LA, Lemos LS, Maciel FA, Ribeiro IT, Justulin LA IBB-Unesp- Botucatu, Cellular and Molecular Biology Dept, Brazil

MSc Student

Lucas Sobrinho Lemos

10.008FR **Maternal Protein Restriction Compromises Structural, Electrophysiological, and Molecular Cardiac Parameters in Female Rat Offspring During Early Life.** Lemos LS[1], Gomes LC[1], Fioretto MN[1], Barata LA[1], Ribeiro IT[1], Maciel FA[1], Justulin LA[1] [1]IBB-Unesp-Botucatu, Cellular and Molecular Biology Dept

PhD Student

Brenda Hilary Avelino de Vasconcelos

10.011FR **Effects of a Low-Protein or Obesogenic Diet during Pregnancy and Lactation on Body Mass, Fasting Glycemia, Food Intake and Indirectly Assessed Offspring Milk Consumption.** Vasconcelos BHA[1], Silva BA[2], Silva PHE[2], Lopes IGT[2], Bandeira VCA[2], Araújo FWC[1], Prieto SG[1], Rocha EP[1], Mousinho EM[1], Carreteiro EJC[1], Santos JVM[1], Vasconcelos DAA[1,2] [1]UFPE, Center of Health Sciences, Nutrition Dept, Recife – PE, Brazil. [2]UFPE-CAV, Vitória de Santo Antão – PE, Brazil.

14. Scientific Methodology and Experimental Design in Biology

MSc Student

Vitória Calixto da Nóbrega

14.005FR **Three-Dimensional Cold Porcelain Modeling as a Pedagogical Tool for Human Physiology Education.** Nóbrega VC, Cruz JC UFPB, Dept. of Biotechnology, PPG Physiological Sciences, Brazil

15. Neurobiology and Neuronal Diseases

Undergraduate Student

João Miguel Guimarães Flora

15.002FR **The Impact of Immersive Virtual Reality on Cortico-Muscular Coherence of Two Individuals with Parkinson's Disease, one with Essential Tremor and a Healthy Control – Case Study.** Flora JMG[1], Tourino FD[1], Rosa MVP[1], Silva GAB[1], Camargos MF[1], Brito FG[1], Fonseca LAS[1], Rodrigues IJS[1], Leite IHA[1], De Souza HLR[1], Brandão CFCCM[1], Andrade MJO[2], Drummond LR[1], Lacerda LT[1] [1]UEMG, Dept Physical Education, Brazil, [2]UEMG, Dept Psychology, Brazil