



MELHORES POSTERES 2025

01. Cellular and Molecular Pharmacology

Undergraduate Student

Camilly Vitória Barbos Pires

01.018 **The Role of Ric-8b Protein in Energy Homeostasis of Brown Adipose Tissue.** Pires CVB, Alves JM, Leiria LOS FMRP-USP, Ribeirão Preto, São Paulo, Brazil

MSc Student

Natália Sudan Parducci

01.001 **SIVA1 as a Key Player in Breast Cancer Development: Evidence from *In Vitro* Approaches.** Parducci NS¹, Oliveira BA¹, Garnique AMB, Carvalho, MFL¹, Machado-Neto JA^{1,2} ¹USP, Institute of Biomedical Sciences, Dept. of Pharmacology, Brazil. ²USP, School of Medicine, Dept. of Clinical Medicine, Brazil

Ruan Rodrigues de Oliveira

01.026 **Resveratrol in the Pre-Gestational, Gestational and Breastfeeding Phases of Spontaneously Hypertensive Rats (SHR) Reduces Hypertension and Matrix Metalloproteinase (MMP)-2 Activity In The Aortas of Adult Offspring.** Oliveira RR¹; Mello MMB¹; Gomes BQ¹; Dourado TMH^{1,2}; Assis VO¹, Tirapelli CR^{1,2} Castro MM¹ ¹Dept Pharmacology, Ribeirão Preto Medical School; ²Cardiovascular Pharmacology Lab, Ribeirão Preto School of Pharmaceutical Science University of São Paulo (USP)

PhD Student

Hericles Mesquita Campos

01.008 **A Novel Arylpiperazine Derivative (LQFM181) Promotes Antioxidant and Neuroprotective Effects Against 3-Nitropropionic Acid-Induced Neurotoxicity in Swiss Mice.** Campos HM¹, Ferreira PYO¹, Pereira R¹, Okoh VI¹, Pruccoli. L³, Uchenna N¹, Leite J¹, Menegatti R², Tarozzi A³, Ghedini PC¹ ¹UFG, Dept Pharmacology, ²UFG, Faculty of Pharmacy, ³University of Bologna, Dept for Life Quality Studies

Pos-doc

Gabriela Reolon Passos

01.022 **Multidrug Resistance Proteins Regulate Intracellular Cyclic Nucleotide Levels in Prostate Tissue and Cell Lines.** Passos GR¹, O'Brien S², D'Ancona CA³, Fregonesi, A³, Antunes E¹, Calebiro D², Monica FZ¹ ¹Unicamp, Dept Pharmacology, Faculty of Medical Sciences,, Brazil ²University of Birmingham, Institute of Metabolism and Systems Research, College of Medical and Dental Science, United Kingdom ³Unicamp, Dept Surgery (Urology), Faculty of Medical Sciences, Brazil

02. Neuropharmacology

Undergraduate Student

Carolina Carla Valera Sanchez

02.002 **Lisinopril Prevents Stress-Induced Fear Generalization and Memory Impairments in Mice.** Valera-Sanchez CC, Solovi SR, Werworn LFM, Resstel LBM. USP, Ribeirão Preto Medical School, Dept Pharmacology, Neuropharmacology Lab, Brazil

Douglas Lopes Alves

02.006 **Neurotoxic effects of N-Nitrosodimethylamine (NDMA) on Oxidative Stress Markers in the Cerebral Cortex and Hippocampus of Prenatally Exposed Rats.** Alves DL¹, Ferreira PYO¹, Santos EEO¹, Aguiar IS¹, Campos HM¹, Ghedini PC¹, Mazzaro R¹, Silva MS², Reis DS², Rodrigues BM², Amaral VCS², Leite JA¹ ¹UFG, Dept Pharmacology, Institute of Biological Sciences, Goiânia, Brazil; ²UEG, Lab Farmacologia e Toxicologia de Produtos Naturais e Sintéticos, Anápolis, GO, Brasil

Letícia Rörig Saviski

02.024 **Impact of Cholinergic Blockade on Conditioned and Unconditioned Fear Memory in Middle-aged Adult Male Rats.** Saviski LR, De Souza STF, Souza LC, Stingelin RL, Vital MABF UFPR, Lab Central Nervous System, PPG Pharmacology, Dept Pharmacology, Brazil

Isabel Câmara Moutinho

02.045 **Adolescent Exposure to a Synthetic Cannabinoid Affects the late Rewarding Response to the Same Drug?** Moutinho IC, Corrêa EAS, Lemos LC, Freire LC, Souza INO, Neves GA UFRJ, Lab Molecular Pharmacology, Brazil

MSc Student

Ana Paula Xavier Ximenes

02.009 **Prolyl Oligopeptidase (POP) Activity in an Animal Model of Congenital Syndrome Associated with Zika Virus (CZS).** Ximenes APX¹, Oyadomari WY¹, Christoff RR², Garcez PP², Hayashi MAF¹ ¹Unifesp-EPM, Lab Neurofarmacologia Molecular, Depto de Farmacologia, São Paulo, Brazil; ²ICB-UFRJ, Rio de Janeiro, Brazil

Mateus Reis Santos

02.014 **The Effect of Cannabidiol on Fear Memory Reconsolidation may Involve Neuroactive Steroid Biosynthesis and PPARy Activation.** Santos MR¹, Cardoso NC¹, Raymundi AM¹, Guimarães FS², Bertoglio LJ³, Pinna G⁴, Stern CAJ¹ ¹UFPR, Dept Pharmacology, ²FMRP-USP, Dept Pharmacology, ³UFSC, Dept Pharmacology, ⁴University of Illinois Chicago The Psychiatric Institute, Chicago, USA

Caio Henrique Willrich

02.036 **SARS-CoV-2 Spike Protein Causes Behavioral and Neuro-Oxidative Changes Differently in Male and Female Mice.** Willrich CH, Cury BJ, Longo B, de Amorim GES, Machado GM, de Oliveira IM, Queiroz LY, Casimiro LM, Santos MR, Cimarosti HI, Prediger RDS, da Silva L UFSC, Dept Pharmacology, Florianópolis, Santa Catarina, Brazil

Andrielle Nayra Lopes Bomfim

02.048 **Neonatal Exposure to Kynurenine: Behavioral Changes Related to Schizophrenia.** Bomfim ANL, Cruz BE, Faria ACC, Nunes LED, Andrade BS, Guimarães MZP, Neves GA UFRJ, Lab Molecular Pharmacology, Brazil

Sarah Solovi Rodrigues

02.066 **Involvement of Glutamatergic and Nitrergic System in Memory Processes Deficits and Aversion Induced by Stress.** Solovi SR, Valera Sanchez CC, Bertacchini GL, Resstel LBM FMRP-USP, Dept Pharmacology, Ribeirão Preto, São Paulo, Brazil

PhD Student

Arlindo Cesar Matias Pereira

02.038 **Cannabidiol Attenuates General Neurotoxicity and Paclitaxel-Induced Cognitive Impairment (Chemobrain) in a Sex- and Treatment Regimen-Dependent Manner.** Pereira ACMP¹, Queiroz ABWV², Vatanabe IP¹, Barros ASM², Meyer E¹, Lisboa SF¹ ¹FCFRP-USP, Brazil, ²FMRP-USP, Brazil

Renata Maria Leal de Souza

02.054 **Baccharis dracunculifolia Extract Induces Anxiolytic-Like Behavior and Enhances Brain Antioxidant Activity in Male Rats.** Souza RML¹, Batista MAC², Silva AO¹, Moura SAL³, Cardoso LM², Oliveira LB¹, Ceron CS² ¹UNIFAL, Dept Food and Medicine, PPG Pharmaceutical Sciences, Brazil, ²UFOP, Research Center in Biological Sciences, PPG Cipharm, Brazil, ³UFOP, Dept Biological Sciences, PPG Cipharm, Brazil

Martina Raissa Ribeiro

02.074 **Ouabain Modulates BDNF Expression in Lung and Brain Regions in a Murine Model of Mixed Asthma.** Ribeiro MR¹, Santos AS¹, Leite JA², Alves VF¹, Melhado IVS¹, Lima TAS¹, Suaíden AS¹, Lima LS¹, Viana DZA¹, Oliveira MA¹, Kawamoto EM¹, Tavares-de-lima W¹, Scavone C¹ ¹ICB-USP, Dept. of Pharmacology, São Paulo Brazil. ²ICB-UFG, Dept. of Pharmacology, Goiás, Brazil

03. Psychopharmacology

PhD Student

João Raphael Campos Alves da Silveira

03.002 **The Role of Adenosinergic Signaling in the Antidepressant-like Effects of Cannabidiol and Potential Molecular Mechanisms Involved.** Silveira JR¹, Sales AJ¹, Ciruela F², Guimarães FS¹ ¹FMRP-USP, Dept. of Pharmacology, Brazil; ²University of Barcelona, Institute of Neurosciences, Dept. of Pharmacology and Experimental Therapeutics, Spain

Ruliam Queiroz

03.027 **The CB1 Receptor Negatively Modulates the Recent Reconsolidation of Long-Term Spatial Memory.** Queiroz R, da Silva WC Unicentro, Neuropsychopharmacology Lab

04. Inflammation and Immunopharmacology

Undergraduate Student

Millene Cardoso da Silva

04.004 **Dietary Modulation of Zinc Induces Sex-dependent Responses in Inflammatory Pain by CFA in Mice.** Silva MC¹, Mathias DO², Lima LMTR³, Miranda ALP¹ ¹UFRJ, Lab Estudos em Farmacologia Experimental ²Fiocruz-RJ ³UFRJ, Lab Biotecnologia Farmacêutica e Nutricional

Victoria Simões Marcarini

04.018 **Antioxidant Activity of New Synthetic Chalcones.** Marcarini VSM¹, Melo EDN¹, Falcão JS², Costa PRR², Caleffi GS², Muzitano MF¹, da Silva LL¹, Carmo PL¹ ¹UFRJ-Macaé Multidisciplinary

Center, Bioactive Products Pharmacology Research Group, Brazil ²UFRJ, Health Sciences Center, Lab. of Bioorganic Chemistry, Brazil

Giovanna Wellichan Vilela Silva

04.031 Evaluation of Different Estradiol Treatment Strategies in Lung Inflammation of Brain Death Donors After Lung Transplantation. Wellichan G¹, Sousa PS, Vidal-dos-Santos M, Correia CJ¹, Breithaupt-Faloppa AC, Moreira LFP, Ricardo-da-Silva FY InCor-FM-USP Lab Cirurgia Cardiovascular e Fisiopatologia da Circulação, São Paulo, Brasil

Maria Fernanda Villanova Amaral

04.047 Differential Phenotype Modulation and Molecular Mechanisms of Lipoxin on Tumor Associated Macrophages. Villanova Amaral MF, Cunha-da-Costa H, Duncan-Moretti J, De-Brito NM, Simões RL, Barja-Fidalgo TC. UERJ, Lab Farmacologia Celular e Molecular, Rio de Janeiro

MSc Student

Brenda Daumas Ferreira Santos

04.024 Muscarinic Antagonists Mitigate Structural Lung Damage in Experimental Silicosis. Santos BDF, Ferreira TPT, Arantes ACS, Santana ACC, Martins MA, Silva PMR IOC-Fiocruz, Lab Inflammation, Brazil

Beatriz de Jesus Brandão

04.036 Melatonin Attenuates Vascular Hyporeactivity Induced by TLR4 and P2X7 Receptor Coactivation. Brandão BJ, Silva CLM UFRJ, Lab. of Biochemical and Molecular Pharmacology, Brazil

Juliana Quintaneiro Bizzotto

04.055 Systemic Endotoxemia Differently Modulates the Expression of NLRP3 Inflammasome Complex in Mice Epididymis: A Pilot Study. Bizzotto JQ, Martini PV, Torres RM, Andrade AD, Silva EJR IBB-Unesp-Botucatu, PPG Biomolecular and Pharmacological Sciences, Brazil

PhD Student

Gabriela Gomes Ferreira

04.005 Therapeutic Effects of the Rho-Kinase Inhibitor LASSBio-2065 on Silica-Induced Chronic Inflammation in Mice. Ferreira GG¹, Ferreira TPT¹, Santana ACC¹, Arantes ACS¹, De Souza LM¹, Martins MA¹, Silva PMR, Pinheiro PMS², Lima LM² ¹IOC-Fiocruz, Lab of Inflammation; ²UFRJ, Lab of Evaluation and Synthesis of Bioactive Substances, RJ, Brazil

Lucas Mota de Souza

04.045 Targeting PAR-1 to Attenuate Lung Fibrosis Induced by Silica Particles. Souza LM¹, Ferreira TP¹, Ferreira GG¹, Pezzella-Ferreira GN¹, Villar LS¹, Cotias AC¹, Arantes AC¹, Lagente V², Martins MA¹, Silva PMR¹ ¹Lab Inflammation, Oswaldo Cruz Institute/FIOCRUZ, Rio de Janeiro, Brazil; ²University of Rennes I, Faculty of Pharmacy, Rennes, France

Julia Duncan Moretti

04.060 Evaluation of Phenotypic changes Induced by Lipoxin in Macrophages Derived from Breast Cancer. Duncan-Moretti J, Cunha-da-Costa H, Villanova Amaral MF, Simões RL, Barja-Fidalgo TC. UERJ, Lab Farmacologia Celular e Molecular, Rio de Janeiro

Pos-doc

Bianca Portugal Tavares de Moraes

04.014 DHA-Loaded Nanocapsules Enhance Microcirculation and Reduce Inflammation in Sepsis Experimental Model. Moraes BPT^{1,2}, Silva KP³, Moraes-de-Souza I², Gomes GLS², Saraiva JSG¹, Costa, MF², Cunha, CMC², Almeida, MAP², Estado, V², Bozza PT², Castro-Faria-Neto HC², Ferrarini SR³, Sperandio M⁴, Silva AR², Gonçalves-de-Albuquerque CF^{1,2} ¹Unirio, Immunopharmacology Lab, Rio de Janeiro, Brazil ²IOC-Fiocruz, Immunopharmacology Lab, Rio de Janeiro, Brazil ³UFMT, HealthSciences Post-Graduation Program, Sinop, Brazil; ⁴Ludwig-Maximilians-University Munich, Institute of Cardiovascular Physiology and Pathophysiology, Biomedical Center, Planegg-Martinsried, Germany

Hyago da Silva Gomes

04.065 Oral JME-209, a Mexiletine Analogue, Prevents Glucocorticoid-Resistant Pulmonary Neutrophilic Inflammation and Atelectasis in a Mouse Model of Acute Lung Injury. Gomes HS¹, Coutinho DS¹, Cotias AC¹, Gaze LA¹, Costa JCS², Carvalho VF¹, Silva PMR¹, Martins MA¹ ¹IOC-FIOCRUZ, Lab Inflammation, Brazil. ²Fiocruz, Production and Innovation in Health, Brazil

05. Pain and Nociception Pharmacology

Undergraduate Student

Helen Alves Brito

05.004 TRPV4 Channel Participates in the Nociception and Spinal Neuroinflammation involved in a Model of Complex Regional Pain Syndrome Type I In Mice. Brito HA¹, Ruviano NA², Rodrigues P¹, Antoniazzi C¹, Viero FT¹, Peres DS¹, Frare JM², Trevisan G^{1,2} ¹UFMS, PPG Pharmacology, Brazil, ²UFMS, PPG Biological Sciences: Toxicological Biochemistry, Brazil

Mariana Gianfrancesco Rodrigues Leonor

05.014 Sex Differences in Pain and Long-Lasting Analgesia Induced by Apitoxin and Melittin Treatment. Leonor MGR¹, Boaventura de Oliveira AM¹, Silva DF¹, Sant'anna MB¹, Paulo, MEFV², Picolo G¹ ¹IBu, Lab Pain and Signaling, São Paulo, Brazil; ²IBu, Pharmacology Lab, São Paulo, Brazil

Lara Ribeiro Rampim

05.024 Antinociceptive Effect of Cannabigerol in Experimental Diabetic Neuropathic Pain Depends on CB1 and CB2 Receptors. Rampim LR¹, Ferreira MV¹, Miranda JM¹, Rauchbach L¹, Wolaniuk L¹, Demeu TA¹, Crippa JA², Zanolini JM¹, Cunha JM¹ ¹UFPR, Dept Pharmacology, Curitiba, PR, Brazil. ²FMRP-USP, Ribeirão Preto, SP, Brazil

Raquel Yasmin Cruz Martins

05.036 Neryl Acetate, derived from the Esterification of Nerol, shows a Possible Neuroprotective Effect in Glioblastoma(U-87) Tumor Cells Exposed to Paclitaxel Induced Chemotherapy. Martins RYC, Gomes LS, Cavalcante MLS, Dittz Junior D, Cavalcante AACM, Ferreira PMP, Almeida FRC UFPI, PPG Farmacologia, Teresina, Brasil

MSc Student

Suelen Pereira

05.008 TRPM3 as a Therapeutic Target for Osteoarthritis Pain: Effects of Local and Systemic Antagonism. Pereira S², Almeida BL², Nunes MC², Andersson D¹, Bevan, SJ¹, Costa R^{1,2} ¹Wolfson SPaRC, King's College London, London, UK; ²UFRJ, School of Pharmacy, Rio de Janeiro, Brazil

Marianna Guedes Junger

05.020 Antinociceptive Effects of Different Full Spectrum Oils of Phytocannabinoids in Mice Acute Models of Pain. Junger MG^{1,4}, Matheus ME², Oliveira DR^{3,4}, Miranda ALP^{1,4} ¹LEFEx-FF-UFRJ, Lab Studies in Experimental Pharmacology, Brazil. ²FF-UFRJ, Brazil. ³FF-UFRJ, Lab Bioprospecting and Applied Ethnopharmacology, Brazil. ⁴FF-UFRJ, Postgraduate Program in Pharmaceutical Sciences, Brazil

Madalena Feca Jamba

05.028 Influence of Calcitonin Gene-Related Peptide on Cutaneous Healing and Nociception: Insights from CGRP-Knockout and Wild-Type Mice. Jamba MF¹, Tavares YPST¹, Teixeira SA¹, Brain SD², Muscará MN¹, Costa SKP¹ ¹ICB-USP Depto de Farmacologia; ²Kings College, School of Cardiovascular Medicine & Sciences, Waterloo Campus, London

PhD Student

Matheus Vinicius Ferreira

05.011 Anterior Cingulate Cortex Mediates Cannabigerol-Induced Antinociception in a Mouse Model of Chemotherapy-Induced Peripheral Neuropathy. Ferreira MV¹, Wade QW², Morris NM², Cunha JM¹, Graziane NM² ¹UFPR, Dept Pharmacology, Curitiba, PR, Brazil. ²Dept Anesthesiology and Perioperative Medicine, Pennsylvania State University, Hershey, PA, USA

Bernardo Miguel

05.040 Mechanistic Insights into the Anti-Inflammatory Action of IMT504. Miguel B¹, Anibal Silva, CE², Brumovsky, PR¹, Cunha TM² ¹Universidad Austral Instituto de Investigaciones en Medicina Traslacional (CONICET-Universidad Austral), Argentina. ²FMRP-USP, Dept Pharmacology, Brazil

06. Cardiovascular and Renal Pharmacology

Undergraduate Student

Amanda Simas

06.012 Increase in Oxidative Stress and Organ Injury in Mice Subjected to Hemorrhagic Shock. Simas A¹, Mariot LN², Pinheiro, LC^{1,2}, Sordi R^{1,2} ¹UFSC, Dept Pharmacology, ²UFSC, PPG in Pharmacology

Stefanie Carolina Azevedo Martins

06.034 Testosterone Modulates Autonomic and Cardiovascular Responses to Stress in a Rat Model of Gender-Affirming Hormone Therapy. Martins SCA, Belem IJA, Suzuki GMF, Correa FMA, Tostes RC, Santos JD FMRP-USP, Dept Pharmacology, Brazil

MSc Student

Alessandra de Cássia Barros

06.015 Bariatric Surgery Prevents Nitrate Treatment-Induced Decreases in Circulating Matrix Metalloproteinases Concentrations in Overweight Women. Cássia-Barros A¹, Sanches-Lopes JM², Conde-Tella SO^{1,2}, Coelho EB³, Kemp R⁴, Salgado Júnior W⁴, Moreno Junior H⁵, Tanus-Santos JE^{1,2} ¹FCM-UNICAMP, Dept Translational Medicine, PPG Pharmacology, Brazil; ²FMRP-USP, Dept

Pharmacology, PPG Pharmacology, Brazil ³FMRP-USP, Dept Medicine, Brazil ⁴ FMRP-USP, Dept Surgery and Anatomy, Brazil ⁵Unicamp, Dept Internal Medicine, PPG Pharmacology, Brazil

Karla Darlianny Mourão Cavalcante

06.023 **Metformin-Mediated Cardiac and Antitumor Effects in Doxorubicin-Treated Mice with Triple-Negative Breast Cancer.** Cavalcante KDM^{1,2}, Cavalcante FAS¹, Ferreira LPF^{1,2}, Lago JPAD³, Nagai MA⁴, Mangone FR⁴, Pavanelli AC⁴, Silva MTB⁵, Leal FLT⁶, Sousa JMC³, Silva VC⁷, Ferreira PMP², Amaral DT⁸, Dittz D^{1,2} ¹UFPI, Antineoplastic Pharmacology Lab, Brazil; ²UFPI, PPG Pharmacology, Brazil; ³UFPI, PPG Pharmaceutical Sciences, Brazil; ⁴FMUSP-ICESP, Molecular Genetics Lab, Brazil; ⁵University of Porto, Institute of Biomedical Sciences Abel Salazar, Portugal; ⁶UFPI, Dept Biophysics and Physiology, Brazil; ⁷Fiocruz, Campus Piauí, Brazil; ⁸UFABC, Center for Natural and Human Sciences, Brazil

Evellin Karina Pires Bueno

06.036 **O-GlcNAcylation Increases the Activity of Matrix Metalloproteinase (MMP)-2 in Aortas Incubated with Glucosamine and in Rat Aortas with Metabolic Syndrome.** Bueno EKP¹, Manoel LB¹, Assis VO¹, Ferreira GM², Neves VGO¹, Blascke de Mello MM¹, Tostes RC¹, Castro MM¹ ¹FMRP-USP, Dept Pharmacology; ²FCF-USP, Dept Clinical and Toxicological Analysis

PhD Student

Gabrielle Delfrate

06.006 **Phosphodiesterase 5 Inhibition Attenuates Cardiovascular Dysfunction in Sepsis Surviving Rats.** Delfrate G, Neves PG, Albino LB, Moreira DH, Nardi G, Pinheiro LC, Assreuy J, Fernandes D UFSC, PPG Pharmacology, Brazil

José Teles de Oliveira Neto

06.022 **Testosterone-driven Cardiac Remodeling in a Gender-Affirming Hormone Therapy Experimental Model (Testo-GAHT) Relies on CD4⁺ T Cell Effector Profile Activated by the Glycolytic Pathway.** Oliveira-Neto JT^{1,4}, Oliveira CV², Machado MR¹, Cebinelli GCM², Rodrigues D¹, Bayer AL⁴, Robbe ZL⁴, Silva CAA³, Silva JS², Salgado HC³, Cunha FQ^{1,2}, Alves-Filho JCF^{1,2}, Santos JD¹ Alcaide P⁴, Tostes RC¹. ¹FMRP-USP, Graduate Programs in Pharmacology, ²FMRP-USP, Graduate Programs in Immunology and ³FMRP-USP, Graduate Programs in Physiology, Brazil. ⁴Tufts University, School of Medicine, Dept Immunology, USA

Lara Priscila Freitas Ferreira

06.043 **Antioxidant Effect of Ascorbic Acid on Heart Damage Associated with Doxorubicin in Murine Breast Carcinoma.** Ferreira LPF^{1,2}, Cavalcante KDM^{1,2}, Cavalcante FAS¹, Silva ACA¹, Santos BLB³, Nascimento MCA¹, Leal BS², Silva MTBS⁴, Amaral DT⁵, Ferreira PMP², Dittz D^{1,2,3}. ¹UFPI, Antineoplastic Pharmacology Lab, Brazil; ²UFPI, PPG Pharmacology, Brazil; ³UFPI, PPG Pharmaceutical Sciences, Brazil; ⁴University of Porto, Institute of Biomedical Sciences Abel Salazar, Portugal; ⁵UFABC, Center for Natural and Human Sciences, Brazil

07. Endocrine, Reproductive and Urinary Pharmacology

Undergraduate Student

Luise Gabriela Santos Pereira

07.003 **6-Nitrodopamine as a Mediator of Prostate Contractility in Mouse and Man.** Pereira LGS¹, Dias DRM¹, Olivotti AB¹, Oliveira DL², Schenka AA², Souza VB², De Nucci², de Oliveira MG¹ ¹USF, Lab of Pharmacology, PPG Health Sciences, ²Unicamp, Dept Translational Medicine, PPG Pharmacology

MSc Student

Carolina de Moraes Silveira Peixe

07.011 **Intermittent Glucocorticoid Exposure Programs Dexamethasone Resistance and Alters Adult Metabolic Outcomes.** Peixe CMS¹, Giusti-Paiva A², Rafacho A² ¹UFSC, PPG em Farmacologia, Brazil; ²UFSC, Dept. of Physiological Sciences, Brazil

PhD Student

Lindiane Eloisa de Lima

07.018 **Effects of the Non-Phthalic Plasticizer DEHT on the Morphophysiology of the Male Genital System.** Lima LE, Silva Junior EP, Nogueira, LS, Lambertucci RH, Perobelli JE Unifesp, Experimental Toxicology, Brazil

08. Respiratory and Gastrointestinal Pharmacology

PhD Student

Stherfanni Almeida Lima Moura

08.007 **Reactivity Profile of the Colon in Sepsis Survivors: Sex-Related Functional Differences Involving Angiotensin Signaling** Lima-Moura SA, da Silva-Santos JE UFSC, Lab Cardiovascular and Smooth Muscle Biology, Dept Pharmacology

Ogenya Rafaela Bispo de Souza

08.012 **In silico, in vitro and in vivo Approach for Evaluation of the Ethyl Acetate Fraction of *Platonia insignis* Mart. in a Model of Ovalbumin-Induced Asthma.** Souza ORB¹, Oliveira MM¹, Barbosa BS¹, Nascimento ER², Moreira RA², Freitas SDL², Oliveira AP¹, Oliveira RCM¹, Santos, RF¹ ¹UFPI, PPG Pharmacology, Brazil. ²UFPI, Lab. Natural Products, Dept Chemistry, Brazil

Pos-doc

Matheus Leite de Medeiros

08.001 **Methylglyoxal as a Key Mediator in the Exacerbation of Allergic Asthma in Leptin-Deficient Obese Mice.** Medeiros ML, Oliveira AL, Antunes E FCM-Unicamp, Dept Pharmacology

09. Natural Products and Toxinology

Undergraduate Student

Lucas Brito de Souza Santos

09.015 **Colilen IBS® Attenuates Inflammation and Alleviates Allodynia in DSS-induced Colitis in C57BL/6 Mice.** Santos LBS, Brito MSC, Rech KS, Martins FG1, Werner MFP UFPR

Emilly Cristina Silva

09.031 **Effect of Galactomannan and Silver Nanoparticles-Based Wound Dressing on the Cutaneous Wound Healing Assessed by Raman Spectroscopy.** Silva EC¹, Oliveira JNSR², Silva FA¹, Lucena LCP¹, Nunes DM³, Correia ACC³, Albuquerque PBS³, Lima LRA³, Rodrigues NER³, Souza ST², Ferro JNS¹ ¹UFAL, Lab Biologia Celular, ²UFAL, Grupo de Óptica e Nanoscopia, ³UPE, Lab Bioprospecção e Etnofarmacotoxicologia Aplicada e de Biologia Celular

MSc Student

Fernanda Alexandre da Silva

09.023 **Galactomannan- and Silver Nanoparticle-Based Dressing Accelerates Wound Healing *in vitro* and *in vivo* Experimental Models.** Silva FA¹, Silva ELES¹, Lucena LCP¹, Flor JF¹, Almeida JH¹, Silva EC¹, Nunes DM², Albuquerque PBS², Lima LRA², Rodrigues NER², Correia ACC², Ferro JNS¹
¹UFAL, Lab Biologia Celular, ²UPE, Lab Bioprospecção e Etnofarmacotoxicologia Aplicada e de Biologia Celular

Erick Gabriel Alves Ferreira

09.037 **Methyl Cinnamate Down-Regulates Epithelial Mesenchymal Transition Through Modulating NF- κ B/p65 Pathway in Alveolar Epithelial Cell.** Ferreira EGA, Barros ABB, Fidelix MSP, Silva GRS, Silva JP, Barreto E UFAL, Lab Biologia Celular

Mark de Sousa Pinheiro Fidelix

09.058 **Modulation of Acute Inflammation by trans-Cinnamic Acid via Neutrophil Recruitment and Downregulation of ICAM-1.** Fidelix MSP, Santos SLD, Santana JR, Barros ABB, Ferreira EGA, Silva GRS, Silva JP, Barreto E UFAL Lab Biologia Celular

PhD Student

Emanuel Paula Magalhães

09.010 **Cytotoxicity of Lysine/Arginine-Substituted M-pontx-dq3a [1–15] Analogues and Effect Against *Trypanosoma cruzi* Y Strain.** Magalhães EP¹, Edson EA², Martins BVB¹, Reis MP³, ¹Silva FRC, da Silva Júnior PN¹, Sampaio TL^{1,3}, Oliveira VX⁴, Menezes RRPPB^{1,3}, Martins AMC^{1,2,3} ¹UFC, PPG in Pharmaceutical Sciences, Brazil. ²UFC, PPG in Development and Technological Innovation in Medicines, Brazil. ³UFC, Clinical and Toxicological Analysis Dept, Brazil, ⁴UFABC, Natural and Human Sciences Center, Brazil

Monica Viviana Abreu Falla

09.028 **Proteomic and Functional Analysis of *Acanthophis antarcticus* Venom: An Integrative Approach for Biochemical Characterization.** Falla MVA¹, Sousa EP³, Morais-Zani K³, Valladao R¹, Santos NG¹, Galizio NC³, Rodrigues MS², Almeida HIF¹, Rocha ARL¹, Moyses MN¹, Lebrun I¹, Spancer P², Pimenta DC¹, Coelho GR¹ ¹IBu, Laboratório Bioquímica e Biofísica, ²IPEN, ³IBu, Lab Fisiopatologia

Isabele Nascimento Oliveira

09.047 **Cockroaches (*Nauphoeta cinerea*) as an Experimental Model for Screening Coralsnake Venoms.** Oliveira IN¹, Oliveira RS¹, Dias DRC², Guimarães MP³, Vinadé LHC⁴, Dal Belo CA^{1,3}, Silva NJ Jr⁵, Hyslop S¹ ¹FCM-UNICAMP, Depto de Farmacologia, PPG Farmacologia, Brazil; ²UFES, Depto de Estatística; ³EPPEN-Unifesp-Osasco, Depto Multidisciplinar, ⁴Unipampa-São Gabriel, ⁵PUC-GO, PPG em Ciências Ambientais e Saúde

10. Cancer Pharmacology

Undergraduate Student

Deborah Silva Rocha

10.003 **NT157 an IRS/IGF1R Inhibitor impacts on Nox4: a Novel Mechanism Involved in Anti-Melanoma Effects.** Rocha DS, Almeida BO, Veríssimo-Filho S, Machado-Neto JA, Lopes LR ICB-USP, Dept Pharmacology, Brazil

Gabriela Almeida Brayn

10.020 Investigation of Cytotoxic Potential of Melittin and Apitoxin in Bladder Cancer Cell T24. Brayn GA¹, Poiato GEH¹, Oliveira AMB¹, Porto RM², Silva GN³, Almeida TC¹, Picolo G¹. ¹IB, Lab Pain and Signaling, São Paulo, Brazil; ²IB, Lab Development and Innovation, São Paulo, Brazil; ³UFOP, Toxicogenetic, Epidemiological and Clinical Study and Research Group, Ouro Preto, Brazil

MSc Student

Bianca Eles de Souza Alves

10.008 The Role of the Protein Tyrosine Phosphatase Receptor N2 In Inflammatory Breast Cancer: Differential Profiles and Association with Clinicopathological Features. Alves BES¹, Oliveira PRA¹, Maia IFVC¹, Arruda LM², Carvalho, MAS¹, Silva, RL¹, Cunha MPSS², Leitão RFC³, Almeida PRC⁴, Rogatto SR^{5,6}, Pereira Lima Júnior RC¹, Wong DVT¹ ¹UFC, Dpt of Physiology and Pharmacology, Lab Inflammation and Cancer Pharmacology, Drug Research and Development Center, Brazil; ²Haroldo Juaçaba Hospital, Cancer Institute of Ceara, Brazil; ³UFC, Dpt of Morphology, Brazil; ⁴UFC, Dpt of Pathology and Forensic Medicine, Brazil; ⁵UNESP, Botucatu Medical School Hospital, Brazil; ⁶University Hospital of Southern Denmark, Denmark

PhD Student

Isabelle de Fátima Vieira Camelo Maia

10.028 IL-33 Expression and M1 Macrophage Polarization in Triple-Negative Breast Cancer: A Translational Study. Maia IFVC¹, Vidal DBD¹, Alves BES¹, Freitas GL¹, Maia CB¹, Barrozo AEO¹, Silva JMR¹, Almeida PRC², Cunha MPSS³, Júnior-Lima RCP¹, Wong DVT¹ ¹UFC, Dpt of Physiology and Pharmacology, Lab Inflammation and Cancer Pharmacology, Drug Research and Development Center; ²UFC, Dpt of Pathology and Forensic Medicine; ³ICC, Haroldo Juaçaba Hospital

Gabriela Weirich Neculqueo

10.036 Exploring Kinin Receptor Modulation as a Therapeutic Approach in Head and Neck Squamous Cell Carcinoma. Neculqueo GW^{1,2}, Farias ABS², Estrázulas M^{1,2}, Campos MM^{1,2} ¹PUCRS, Escola de Medicina, PPG Medicina e Ciências da Saúde, Brazil. ²PUCRS, Escola de Ciências da Saúde e da Vida, INTOX, Brazil

Matheus Pedrosa de Oliveira

10.042 Mechanistic Insights into the Cytotoxic Action of a Withanolide from *Athenaea velutina*: DNA Damage and Autophagy in Colorectal Cancer Cells. Oliveira MP¹, Sá RE¹, Machado FS¹, Almeida BO¹, Garnique ADMB², Costa-Lotufo LV², Machado-Neto JA², Rocha KAD³, Pessoa ODL³, Araujo AJ¹; Marinho-Filho JDB¹ ¹ UFDPAr, Lab Cultura de Células do Delta, LCCDelta, Brasil, ²USP, Depto de Farmacologia, Instituto de Ciências Biomédicas, Brasil, ³UFC, Depto de Depto de Química Orgânica e Inorgânica, Brasil

Pos-doc

Rayran Walter Ramos de Sousa

10.017 Are Antidepressants a Reposition Option to Treat Mesenchymal Tumors? Sousa RWR¹, Conceição MLP², Santos IL¹, Rodrigues DCN¹, Nascimento MLLB⁴, Barbosa SLM¹, Freitas MM¹, Pinheiro Neto FR⁶, Sales SLA⁷, Pereira EM⁵, Silva AS⁵, Monte SJH⁵, Pessoa C⁷, Castro e Sousa JM⁴, Ferreira PMP¹ ¹LabCancer-UFPI, Lab Experimental Cancerology, Brazil; ²Lid-USP, Lab Inflammation and Pain, Brazil; ³Lafac-UFPI, Lab Cardiovascular Pharmacology, Brazil. ⁴Lapgenic-UFPI, Lab

Toxicological Genetics Research, Brazil. ⁵Lib-UFPI, Lab Immunogenetics and Molecular Biology, Brazil. ⁶UFPI, Lab Pain Pharmacology, Brazil. ⁷UFC, Lab Experimental Oncology, Brazil

11. Clinical Pharmacology, Pharmacokinetics, Pharmacogenomics and Toxicology

Undergraduate Student

Vinicius Jardim Rodrigues

11.015 **Precision Medicine in Pediatric Transplants: Developing a Population Pharmacokinetic Model for Busulfan.** Rodrigues VJ¹, Olivo LB¹, Wermann S¹, Dias BB¹, Pinhatti AV^{2,3}, Zuckerman J^{2,3}, Daudt LE⁴, Dalla-Costa T¹, Araújo BV^{1,2} ¹UFRGS, Faculty of Pharmacy, Pharmacokinetics and PK/PD Modeling Lab, Brazil, ²UFRGS, PPG Medical Sciences, Porto Alegre, Brazil, ³HCPA-UFRG, Pharmacy Service, Porto Alegre, Brazil, ⁴HCPA-UFRGS Hematology Service, Hospital de Clínicas de Porto Alegre, Porto Alegre, Brazil

MSc Student

Stefani Maria Ferreira

11.025 **Pharmacokinetic Evaluation and Marker Residue Determination of Topical Fipronil in Cattle.** Ferreira SM¹, Gotardo AT¹, Raspantini LER¹, Barreto F² ¹CEPTOX-FMVZ-USP Research Centre for Veterinary Toxicology, Dept Pathology, Pirassununga, Brazil, ²LFDA-RS, Federal Agricultural Defense Lab, Ministry of Agriculture and Livestock, Porto Alegre, Brazil

PhD Student

Raquel Rodrigues Soares Santos

11.002 **Linalool, Linalyl Acetate, and Lavender Essential Oil: Evaluation of Metabolism and Drug Interactions Using Canine Liver Microsomes and Recombinant Enzymes.** Soares-Santos RR¹, Soto-Blanco B¹, Ferreira RCM², Zhu Z³, Court MH³ ¹UFMG, Veterinary School, Dept Veterinary Clinic and Surgery, Lab. of Toxicology, Brazil, ²FSCBH, Molecular Biology Lab., Brazil, ³Washington State University, College of Veterinary Medicine, Dept Veterinary Clinical Sciences, Program in Individualized Medicine, Comparative Pharmacogenomics Lab., USA

Bruna Bernar Dias

11.022 **Using Microdialysis Free Concentrations to Model Tissue-Level Targets for Therapeutic Success in Glycemic Control of Type 2 Diabetes.** Dias BB, Olivo LB, Braga A, Rodrigues VJ, Araujo BV UFRGS, Faculty of Pharmacy, PK/PD Modeling Lab, Pharmaceutical Sciences Graduate Program, Brazil

12. Drug Discovery and Development

Undergraduate Student

Agatha Fischer Carvalho

12.002 **Autophagy and Stress-Responsive Long Non-coding RNAs as New Putative Antischistosomal Targets in *Schistosoma mansoni*.** Fischer-Carvalho A, Poli PJ, Tahira AC, Verjovski-Almeida S, Amaral MS IBu, Cell Cycle Lab, São Paulo, Brazil

Karen da Silva Pinheiro

12.008 **Analysis of Cell Membrane Integrity of *Trypanosoma cruzi* Epimastigote Forms under Treatment With (2E,4E)-1-(2-hydroxy-3,4,6-trimethoxyphenyl)-5-phenylpenta-2,4-dien-1-one.** Pinheiro KS¹, Duarte ALS¹, Fernandes MO¹, Ananias CF¹, Araújo JR¹, Ribeiro LR², Magalhães EP², Silva FRC², Gomes NDB², Maia MMG², Santos HS³, Martins AMC², Menezes RRPPB². ¹UFC, Faculty

of Pharmacy, Dentistry and Nursing, Dept Clinical and Toxicological Analysis, Brazil; ²UFC, Faculty of Pharmacy, Dentistry and Nursing, Dept Clinical Analysis and Toxicological, Post Graduate Program of Pharmaceutical Sciences, Brazil; ³UVA, Center for Exact Sciences and Technology, Brazil

Pos-doc

Paulo Sérgio de Almeida Augusto

12.017 Drug Discovery: New PAD-4 Inhibitors HITs for the Treatment of Inflammatory Diseases.

Augusto PSA, Costa VF, Cunha TM, Cunha, FQ FMRP-USP

14. Pharmacology: Other

MSc Student

14.005 Fluorescence Microplate Reading for Evaluation of Calcium Influx in Mice Cortical Synaptosomes and Study of PEP2. Alvarenga CC, Pereira TL, Moraes TR, Castro CJ FSCBH, Programa de Pós-graduação Stricto sensu em Medicina e Biomedicina, Belo Horizonte, MG

PhD Student

Caroline Florêncio

14.006 Latex Agglutination Assay Conjugated with Dispersin: A New Diagnostic Approach for Enteraggative *E. coli*. Florencio C, Moraes CTP, Silva MA, Pollato JM, Piazza RMF, Elias WP IB, Bacteriology Lab, Graduate Program in Toxinology, Brazil