



MELHORES PAINÉIS 2015

01. Cellular and Molecular Pharmacology

Thais Emanuelle Tavares Pompeu

01.001 Mechanism of action of LASSBio-579, an N-Phenylpiperazine Compound Elected as an atypical antipsychotic drug candidate. Pompeu TET¹, do Monte FM¹, Hermans E², Menegatti R³, Fraga CAM⁴, Barreiro EJ⁵, Noël F¹ ¹UFRJ – Farmacologia Bioquímica e Molecular, ²Université Catholique de Louvain – Neurociências, ³UFG – Farmácia, ⁴UFRJ – Farmacologia e Química Medicinal, ⁵UFRJ – Ciências Biomédicas

Raíssa de Paula Moro

01.006 Extracellular cyclic AMP: “third messenger” activity in vas deferens contraction? Moro RP, Pacini ESA, Godinho RO Unifesp-EPM – Farmacologia

Yago Amigo Pinho Jannini de Sá

01.014 Adenosine A_{2A} receptor plays a key role in lung fibroblast proliferation and activation triggered by IL-13 *in vitro*. Sá YAPJ, Ciambarella BT, Martins MA, Silva PMR Fiocruz – Inflamação

Thiago Duarte

01.017 Cyclic AMP released from skeletal muscle fiber modulates muscle contraction through the activation of presynaptic adenosine receptors. Duarte T, Pacini ESA, Godinho RO Unifesp-EPM – Farmacologia

02. Neuropharmacology

Nicole Juriti Nazareth

02.011 Effects caused by the CB1 inverse agonist rimonabant in a pharmacologic animal model of schizophrenia. Nazareth NJ, Marques AM, Neves GA ICB-UFRJ – Farmacologia Molecular

Débora D. Vecchia

02.012 Effect of ketamine on the improvement of depressive-like behavior and memory loss in animal model of Parkinson’s disease induced by 6-OHDA. Vecchia DD¹, Wendler E¹, Kanazawa LKS¹, Hocayen PAS¹, Miyoshi E², Andreatini R¹ ¹UFPR – Farmacologia, ²UEPG – Ciências Farmacêuticas

João Victor Cabral-Costa

02.013 Characterization of a model of neuronal PTEN haploinsufficiency: Memory- and metabolism-associated effects. Cabral-Costa JV¹, Andreotti DZ¹, Mattson MP², Camandola S², Scavone C¹, Kawamoto EM¹ ¹USP – Farmacologia, ²NIA-NIH

Luiz Kae Sales Kanazawa

02.018 Quercetin did not reverse methylphenidate-induced hyperlocomotion, an animal model of mania. Kanazawa LKS, de Mélo ML, Beirão Júnior PS, Barcaro IMR, Andreatini R UFPR – Farmacologia



MELHORES PAINÉIS 2015

03. Psychopharmacology

Cristina Luz Tosta

03.006 Rapid and sustained anticomulsive effect of ketamine in mice submitted to the marble burying test. Tosta CL, Silote GP¹, Souza MM², Soares FRC¹, Joca SRL³, Beijamini V^{4,5} ¹UFES – Bioquímica e Farmacologia, ²UFES – Ciências Farmacêuticas, ³FCFRP-USP, ⁴UFES – Bioquímica e Farmacologia, ⁵UFES – Ciências da Saúde

04. Inflammation and Immunopharmacology

Fernanda Verdini Guimarães

04.002 Quercetin therapeutically attenuates silica-induced pulmonary fibrosis in mice. Guimarães FV, Ferreira TPT, Ciambarella BT, Arantes ACS, Azevedo RB, Martins MA, Silva PMR Fiocruz

Amanda da Costa Cotias

04.009 JM25-1, a lidocaine analogue combining airway relaxant, anti-inflammatory and antieosinophilic properties: implications for new asthma therapy. Cotias AC¹, Serra MF¹, Neves JS², Couto GC¹, Pão CRR¹, Olsen PC², Anjos-Valotta EA¹, Faria RX³, Costa JC³, Cordeiro RSB¹, Carvalho KIM¹, Silva PMR¹, Martins MA¹ ¹Fiocruz – Fisiologia e Farmacodinâmica, ²UFRJ, ³Fiocruz

Rafael Pazinato Aguiar

04.016 Anti-inflammatory activity of tyrosol salicylate derivatives. Aguiar RP¹, Würlzler LAM¹, Silva-Comar FMS¹, Rodrigues PJ¹, Cardia GFE¹, Silva-Filho SE¹, Uchida NS¹, Rocha BA¹, Velázquez-Martínez CA², Cuman RKN¹ ¹UEM – Farmacologia, ²University of Alberta – Ciências Farmacêuticas

Irismara Sousa Silva

04.029 Evaluation of anti-inflammatory potential of hydroalcoholic extract and polysaccharide fraction from *Thuja occidentalis* in mice. Silva IS, Brito CFC, Sousa FBM, Carvalho NS, Araújo S, Souza LKM, Araújo TSL, Pacífico DM, Filho ACML, Lima GM, Almendra RB, Medeiros JVR UFPI – Farmacologia

Leandro Rodrigues

04.036 Emerging treatment for Psoriasis: Role for hydrogen sulphide donor, GYY4137. Rodrigues L¹, Schmidt TP¹, Cerqueira ARA¹, Florenzano J¹, Santos KT¹, Teixeira SA¹, Wood ME², Whiteman M², Muscará MN¹, Costa SKP¹ ¹ICB-USP – Farmacologia, ²University of Exeter-St. Luke's



MELHORES PAINÉIS 2015

Jamylle Nunes de Souza Ferro

04.038 Friedelin and Friedelin complexed in cyclodextrin reduces airway allergic inflammation in a murine model of asthma. Ferro JNS¹, Serra MF², Santos SL¹, Cotias AC², Lima FF², Aquino FLT¹, Silva JPN¹, Alves PR¹, Broetto L¹, Ferreira FR³, Abreu FC³, Conserva LM³, Martins MA², Barreto E¹ ¹ICBS-UFAL, ²Fiocruz, ³UFAL – Química e Biotecnologia

Camila Zanotto

04.045 Effects of augmented O-Glcacylation on activation and differentiation of macrophages. Zanotto CZ, Olivon VC, Mestriner FLAC, Alves-Filho JC, Carneiro FS, Tostes RC FMRP-USP – Farmacologia

Camila Fernandes

04.049 Irinotecan increases regulatory T Cells and Th17 cells in intestinal mucositis. Fernandes C, Wanderley CWS, Muniz HA, Silva CMS, Teixeira MA, Souza NRP, Cândido AGF, Ribeiro RA, Lima-Júnior RCP UFC – Fisiologia e Farmacologia

Francilene Vieira da Silva

04.052 Effect of myrtenol on neutrophil migration and adhesion in inflammatory conditions. Gomes BS¹, Sousa-Neto BP¹, Silva FV¹, Sousa DP², Wanderley CWS³, Wong DVT³, Ribeiro RA³, Lima-Júnior RCP³, Oliveira RCM¹, Oliveira FA¹ ¹UFPI – Medicinal Plants, ²UFS – Pharmacy, ³UFC – Physiology and Pharmacology

05. Pain and Nociception Pharmacology

Marcela Moura Bini Dutra

05.007 Anti-allodynic effect of nicotinamide in experimental model of rheumatoid arthritis. Dutra MMGB^{1,2}, Nascimento Jr EB³, Araújo DP⁴, Fátima A⁴, Machado RR², Coelho MM² ¹Centro Universitário Newton Paiva – Farmacologia, ²UFMG – Farmacologia, ³UFPI – Farmacologia, ⁴UFMG – Química

Débora Cristina Ramos Assis

05.008 Involvement of NO/cGMP/PKG/ATP-sensitive K⁺ channels pathway on local antinociceptive effect of dipyron and its metabolite 4-MAA. Assis DCR¹, Vaz ALL², Melo MCC³, Rae GA⁴, Clososki GC², Souza GEP³ ¹FMRP-USP – Farmacologia, ²FCFRP-USP – Produtos Naturais e Sintéticos, ³FCFRP-USP – Física e Química, ⁴UFSC – Farmacologia

Rafaela Vieira da Silva

05.014 Pharmacological characterization of fish oil concentrate treatment on experimental model of neuropathic pain. Silva RV, Lima CKF, Lobo BW, Miranda ALP UFRJ – Medicamentos



MELHORES PAINÉIS 2015

Jorge Dallazen

05.015 Investigation of antinociceptive and anti-inflammatory potential of naringenin in mice. Dallazen JL, Silva CF¹, Baggio CH, Werner MF UFPR – Farmacologia

Luiz Rocha

05.035 Microglial Cells: no role in diabetes-induced hyponociception into rats TMJ. da Rocha LM, Muzilli A, Freitas FF, Macedo CG, Abdalla HB, Bonfante R, Clemente-Napimoga JT FOP-Unicamp

Ricardo Bonfante

05.036 Evaluation of the involvement of microglial cells in the induction and persistence of inflammatory hyperalgesia induced rheumatoid arthritis in rats ATM. Bonfante R¹, Abdalla HB¹, da Rocha LM¹, Macedo CG¹, Clemente-Napimoga JT¹ FOP/UNICAMP – Ciências Fisiológicas

06. Cardiovascular and Renal Pharmacology

Nathanne Santos Ferreira

06.003 Role of aldosterone in the inflamassome activation in macrophages and Type 2 Diabetes. Ferreira NS¹, Pereira CA¹, Zanotto CZ¹, Carlos D², Tostes RC¹ FMRP-USP – Farmacologia, ²FMRP-USP – Imunologia

Allan Kardec Nogueira de Alencar

06.004 Activation of a novel estrogen receptor by the agonist G1 ameliorates monocrotaline-induced pulmonary hypertension in male rats. Alencar AKN¹, Montes GC¹, Martinez ST², Pinto AC², Groban L³, Sudo RT¹, Zapata-Sudo G¹ ICB-UFRJ – Desenvolvimento de Fármacos, ²UFRJ – Química, ³Wake Forest University – Anesthesiology – ¹ICB-UFRJ – Fármacos, ²UFRJ – Química, ³Wake Forest University – Anesthesiology

Lucas Pinheiro

06.018 S-nitrosothiols formation mediates the antihypertensive effects of oral sodium nitrite. Pinheiro LC¹, Amaral JH¹, Ferreira GC¹, Portella RL¹, Toledo Jr JC², Tanus-Santos JE¹ FMRP-USP – Farmacologia, ²FFCLRP-USP – Química

07. Endocrine, Reproductive and Urogenital Pharmacology

Eduardo Costa Alexandre

07.001 Mirabegron relaxes urethral smooth muscle by a dual mechanism involving β_3 -Adrenoceptor activation and α_1 -adrenoceptor blockade. Alexandre EC¹, Kiguti LR², Calmasini FB¹, Ferreira R³, Silva FH¹, Silva KP², Ribeiro CA², Mônica FZ¹, Pupo AS², Antunes E¹ FCM-Unicamp – Farmacologia, ²IBB-Unesp, ³FCM-Unicamp – Hematologia e Hemoterapia



MELHORES PAINÉIS 2015

Matheus Anselmo

07.006 Effects of creatine supplementation in diabetic rats induced by streptozotocin. Medeiros MA¹, Lemos LIC¹, Silva FS¹, Abreu BA¹, Sobral MV², Santos LR¹, Medeiros KCP¹ ¹UFRN, ²UFPB

08. Respiratory and Gastrointestinal Pharmacology

Miriam Sayuri Nagashima Hohmann

08.002 Quercetin targets senescent lung fibroblasts from idiopathic pulmonary fibrosis patients. Hohmann MS¹, Habiél DM², Coelho AL², Verri Jr WA¹, Hogaboam CM² ¹UEL – Ciências Patológicas, ²Cedars Sinai Medical Center – Pulmonary Medicine

Janiana Raíza Jentsch Matias de Oliveira

08.007 Involvement of TRPV1 receptor in plasma extravasation in trachea and bronchi of rats treated with angiotensin-converting enzyme inhibitor. Oliveira JRJM, André E UFPR – Farmacologia

Luan Kelves Miranda de Souza

08.013 Gastroprotective effect of diminazene aceturate: role of ACEII/Ang(1-7)/MAS pathway in gastric injury models in mice. Souza LKM¹, Nicolau LAD², Araújo TSL², Costa DS², Sousa NA², Sousa FBM², Silva IS², Pacifico DM², Medeiros JVR¹ – ¹UFPI – Ciências Biomédicas, ²UFPI

09. Natural Products and Toxinology

Eduardo Breviglieri

09.004 Effect of 2-Phenylquinoline in experimentally induced gastric ulcers: Pathways of gastroprotection. Breviglieri E¹, da Silva LM¹, Boeing T¹, Somensi LB¹, Gimenez A², Cechinel-Filho V¹, Andrade SF¹ – ¹Univali – Pharmaceutical Sciences, ²Universidad Mayor de San Andrés

Grazielle Freitas de Bem

09.009 Anti-diabetic, anti-inflammatory and antioxidant effects of *Euterpe oleracea* Mart. (Açaí) extract in Type 2 Diabetic Rats. The exercise training potentiates these effects? Bem GF, Costa CA, Santos IB, Cordeiro VSC, Carvalho LCRM, Souza MAV, Costa GF, Okinga A, Rocha APM, Ognibene DT, Resende AC, Moura RS UERJ – Farmacologia e Psicobiologia

Douglas Soares da Costa

09.017 Antidiarrheal activity of a sulfated polysaccharide extracted from seaweed *Gracilaria caudata* in rodents. Costa DS¹, Sousa NA², Souza LKM², Araújo TSL², Sousa FBM², Carvalho NS¹, Nogueira KM³, Araújo S³, Oliveira AP³, Medeiros JVR^{1,2} ¹UFPI – Farmacologia, ²UFPI – Biotecnologia, ³UFPI



MELHORES PAINÉIS 2015

Ruberlei Godinho de Oliveira

09.018 Role of species reactive oxygen mitochondrial and intracytoplasmic in the anti-inflammatory effects of hydroethanolic extract of *Dilodendron bipinnatum* Radlk. Oliveira RG¹, Miyajima F², Castilho GRC¹, Luz TE¹, Batista MS¹, Martins DTO¹ ¹UFMT – Ciências Básicas em Saúde, ²University of Liverpool – Molecular and Clinical Pharmacology

Nayara Alves de Sousa

09.037 Therapeutic potential of sulfated polysaccharide fraction extracted from seaweed *Hypnea musciformis* on acute and secretory diarrhea in rodents. Sousa NA¹, Souza LKM², Araújo TSL², Costa DS², Carvalho NS², Nogueira KM², Sousa FBM², Leódido ACM², Araújo S², Campos MS², Medeiros JVR¹ ¹UFPI – Biotecnologia, ²UFPI

Larissa Maria Scalon Lemos

09.044 In vitro effects of brasiliensic and isobrasiliensic acids from *Calophyllum brasiliense* Camb. on gastric cell turnover. Lemos LM¹, Pritchard DM², Burkitt MD², Martins DTO¹ ¹UFMT – Farmacologia, ²University of Liverpool – Gastroenterology

Rômulo Vieira Silva

09.054 Evaluation of the antibacterial activity of *Struthanthus marginatus* (Desr.) Blume. Silva RV¹, Arruda MO², Carmo MS², Freire SMF¹, Monteiro Neto V² ¹UFMA – Farmacologia, ²Ceuma – Biologia Parasitária

Francisca Beatriz de Melo Sousa

09.055 Polysaccharide fraction isolated from *Passiflora edulis* inhibits the inflammatory response and the oxidative stress in mice. Sousa FBM¹, Silva RO², Damasceno SRB², Brito TV¹, Fontenele AM¹, Braúna IS¹, Junior JSC¹, Maciel JS³, de Paula RCM³, Freitas ALP³, Medeiros JVR¹, Silva DC⁴, Barbosa ALR¹ ¹UFPI – Biotecnologia, ²UFC – Farmacologia, ³UFC – Bioquímica, ⁴UNIVASF

10. Cancer Pharmacology

Tânia Regina Mielcke

10.005 In vitro evaluation of quinoxaline-derived chalcones associated with standard chemotherapies in oral squamous cell carcinoma. Mielcke TR¹, Erig TC², Chiela EC³, Kist LW⁴, Mascarello A⁵, Chiaradia LD⁵, Bogo MR⁶, Nunes RJ⁵, Campos MM¹ – ¹PUCRS – Medicine and Health Sciences, ²PUCRS – Pharmacy, ³UFRGS – Hepatology and Gastroenterology, ⁴PUCRS – Genomics and Molecular Biology, ⁵UFSC – Chemistry, ⁶PUCRS – Cell and Molecular Biology



MELHORES PAINÉIS 2015

11. Pharmacokinetics and Toxicology

Sibele Araujo Rodrigues

11.004 Determination of thimerosal content in Influenza A (H1N1) multi-dose vaccine and evaluation of in vitro toxicity. Rodrigues S¹, Ferraris FK¹, Leandro KC² ¹INCQS-Fiocruz – Farmacologia e Toxicologia, ²INCQS-Fiocruz – Química Analítica

12. Pharmacogenomics, Pharmacogenetics and Clinical Pharmacology

Mayara Caldeira Dias

12.003 Endothelin-1 production and expression of micrnas in preeclamptic patients responsive and nonresponsive to antihypertensive therapy in an in vitro model of preeclampsia. Dias MC, Sandrim VC, Bovolato ALC, Deffune E IBB-Unesp

13. Drug Discovery and Development

Isis Nem de Oliveira Souza

13.009 LFQM 75: New lead compound for Alzheimer's disease treatment. Souza INO¹, Pereira TS¹, Boni MS¹, da Silva FMR¹, Viegas Jr C², Castro NG¹, Neves G¹ ¹ICB-UFRJ, ²Unifal

Aline Costa Bastos

13.010 Healing activity and anti-inflammatory action of the extracts from PE1, PE2, PE3 of the Amazon flora. Bastos AC, Santos GCQ, Gomes MF, da Silva JKR, Maia JGS, do Nascimento JLM, Bastos GNT UFPA

15. Pharmacology: Others

Maureen Peña Garcia

15.004 Effect of swimming training on neurogenic contraction and stock of intracellular calcium concentration in spontaneously hypertensive rats. Pena-Garcia M¹, Miranda-Ferreira R¹, Castro Musial D¹, Jurkiewicz A¹, Da Silva R², Cezaretti M² ¹Unifesp – Farmacologia, ²Unifesp