SOFARCHI 2026 Congress

Poster Session

Tuesday, December 1, 2026 · 50 posters

No.	Title	Authors	Pharmacology area
1	Evaluation of serotonin uptake inhibition by fluoxetine and dimethylated fluoxetine in cells overexpressing the serotonin transporter	Silva-Palacios, I.X. 1,2; Valle, C. 4.; Pino J.A. 4; Astudillo-López F. 2; Osses N 2,3; Añasco, A. 1,2; Bravo, J.A. 1,2,3.	Gastrointestinal pharmacology
2	Evaluation of the potential of polyphenols in controlling neuroinflammation through modulation of the NF-κB molecular signaling pathway: a preliminary study	FIGUEREDO C. 1; PAZ C. 1	Molecular pharmacology
3	Intracellular glutathione availability, rather than vitamin C supplementation, determines endothelial cell resistance to water-soluble cigarette smoke toxicants	Muñoz A. 3; Gatica M. 1; Oñate G. 2; Salgado p. 2; Pacheco C. 4; Rivas C.I. 2	Toxicology
4	Multi-level cardioprotective effects of DIZE	Constanza Rimassa Taré, Diana Silva Castro, Vania Otárola Urrutia, Jaime A. Riquelme	Cardiovascular pharmacology
5	Semaglutide exerts direct effects on mouse skeletal muscle myotubes	Rivera BI. 2; Fuentes-Retamal S. 3; Vásquez-Trincado C.1,2	Molecular pharmacology
6	The VDG007 compound restores glycine receptor function in the hyperkplexia-associated α1 R271Q variant	Cossio, J1., Oviedo-Pino, V1,2., Flaig, D1., Soto, P1., Quintana, S1., Valenzuela, D1., Delgado, J1., Ramírez, D2., Yevenes, G1., Muñoz-Montesino, C1., Moraga-Cid, G1.	Neuropharmacology
7	Synthesis of Novel 2-Hydroxybenzamide Derivatives and Evaluation of Their Acetylcholinesterase Inhibitory Activity	Brian Fell. 1; Héctor Hernández. 1; Oscar Galarce-Bustos. 2; Ben Bradshaw .3,*; Claudio Parra 1,*.	Medicinal chemistry
8	Inhaler design affects drug deposition in the olfactory region	Antiquera-Castillo I.1; Soza-Rojas C.1; Moraga-Espinoza D.1,2	Biopharmaceuticals
9	Development and expert evaluation of a clinical pharmacology manual for the inpatient gynecological setting	Tapia K.[1]	Clinical pharmacology
10	Development of a 3d platform for the evaluation of inhalable formulations in a fibroinflamatory lung model	Latorre M.1; Bahamondez T.2; Campos Estrada C.2; Muñoz C.3; Tabilo Y.3	Immunopharmacology
11	The A2B adenosine receptor antagonist PSB-603 reduces NF-κB transcriptional activity and c-IAP2 expression in glioblastoma stem-like cells	Vicente Villagrán-Oyarzún[1]; Giovanna Navarro-Martínez[1]; Benjamín Guerrero-Tapia[1]; Catalina Irribarra-Aguilera[1]; Brenda Águila-Díaz[1]; Alexei Cuevas[1,2]; Diego Carrillo[3,2]; Rody San Martín[4]; Claudia Quezada[1,2]	Molecular pharmacology
12	Sex-dependent effects of acute psilocin during naloxone-precipitated morphine withdrawal in C57BL/6 mice	Gárate-Pérez MF M Reyes-Parada, Renard GM	Neuropharmacology
13	Novel Naphthylpyrrolidine Esters Derivatives: Effects on Nicotine- and Ethanol-Induced Conditioned Place Preference in Zebrafish	Segura K. 1; Iturra A. 1; Iturriaga-Vasquez P.1	Neuropharmacology
14	Enantioselective effects of the 5-HT6 receptor antagonist PUC-10 (R) and (S) on mTOR signaling and autophagy in SH-SY5Y neuroblastoma cells	Sobino Castro, J. M.1, Pesce, L.1, Grau Grass, A.1, Almarza, G.1, Recabarren-Gajardo, G.2, & del Campo, A.1	Molecular pharmacology

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15	Evaluation of the Antifungal Potential of Mint Essential Oils Against Candida albicans Biofilms Using Confocal Microscopy	Vega-Briceño Sofía 1, Bustos-Izquierdo Rocío 1, Diaz-Dosque Mario 1, Jara A José 1, Molina-Berríos Alfredo 1	Biopharmaceuticals
16	Differential transcriptomic modulation by combined EGFR and A2B adenosine receptor inhibition in primary glioblastoma cultures	Vera M. 1; Navarro G. 1; Cuevas A. 1; Silva P. 1; Quezada C. 1	Molecular pharmacology
17	LQFM275 and the kallikrein-kinin system: insights into bradykinin B1 receptor modulation	Turones, L.C. 1; Mella Robles, C. 1; Stuardo-Parada, A. 1,2; Simões, A. 1; Pavicic, F. 1; Muñoz, H. 1; Burgos, R. 3; Menegatti, R. 4; Costa, E. 5; Fajemiroye, J. 5; Figueroa, C. 1; Ehrenfeld, P. 1	Immunopharmacology
18	The adipose-vascular axis in women with ANOCA: role of oxidative stress in coronary microvascular dysfunction	Rodrigo L Castillo1, Esteban G. Figueroa2, Rafael Barra3, Gonzalo Cruz4, Alfonso Paredes5, Pabla Cataldo6	Cardiovascular pharmacology
19	Assessment of transactivation between purinergic receptors and HER/EGFR in cellular models and canine mammary tumours	Rojas-Palma, S.1,2; Cerda D.1 ; Covarrubias A.A.1; Coddou C.1	Veterinary pharmacology
20	Development of pep-1L-functionalized PAMAM dendrimers targeting IL13Rα2 for glioblastoma drug delivery	Daniel Baño, Diego Cifuentes, Iván González, Leonardo Guzmán.	Chemotherapy
21	Role of Parvalbumin-Expressing Neurons in the Anterior Insular Cortex-Dorsolateral Striatum Circuitry in Binge Alcohol Drinking	Anh Nguyen 1, Fuqin Yin 1, Sydney Stiles 1 & Braulio Muñoz 1,2	Neuropharmacology
22	AMPK prevents TGF-β1-induced cardiac fibroblast differentiation by reducing the expression of lipogenic enzymes and endoplasmic reticulum synthesis	Gianella Turpo, Elizabeth Hernández, Raúl Vivar	Cardiovascular pharmacology
23	Synthesis and evaluation of coumarin derivatives fused with triphenylphosphine cations as potential antineoplastic agents	Almarza, G.1, Osses-Mendoza, P.2 Briones-Manriquez, F.1 Espinosa-Bustos, C.2 del Campo, A.1	Medicinal chemistry
24	Effect of Ang II and doxycycline on mitochondrial quality control and senescence in neonatal rat cardiac fibroblasts	Ramirez N. ; Espinoza A.; Díaz G.	Molecular pharmacology
25	Rapamycin-preconditioned mesenchymal stem cell secretome remodels lipid droplets and engages lipolysis and chaperone-mediated autophagy pathways in steatotic hepatocytes	Díaz M. 1; Mendicoa S. 2; Leiva J. 2; Alfaro I. 1; Ezquer M. 1	Molecular pharmacology
26	Antifungal and antibiofilm effect of Thymus vulgaris essential oil on Candida albicans	Jara-Perucci Camila 1, Bustos-Izquierdo Rocío 1, Diaz-Dosque Mario 1, Jara José 1, Molina-Berríos Alfredo 1.	Biopharmaceuticals
27	Effects of erratic estradiol and progesterone administration on anxiety-like and depressive- like behavior in ovariectomized rats	Bahamonde, T.1; Cáceres, D.1; Renard, G.M.1	Neuropharmacology
28	Synthesis of a syringic acid-based delocalized lipophilic cation as a potential inducer of white adipose tissue browning	Beluzaran C.1; Catalán M.1; Suárez C.2; Díaz C.1	Medicinal chemistry
29	Antibacterial photodynamic activity of free and PAMAM-conjugated photosensitizers against antibiotic-resistant bacteria	Malbrán C. 1; Nuñez P. 1; Saldías E. 1; Sobarzo V.1; Godoy P.1;Mendoza M.A. 1; Díaz C. 1	Medicinal chemistry
30	Pharmacological inhibition of PTPRD alters neural progenitor proliferation and cell differentiation in human cortical organoids	Neculhueque V. 1; Franchini N. 1; Cancino G.I. 2; Cornejo F. 1.	Neuropharmacology

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31	Pharmacological characterization of zonisamide and flupirtine at recombinant glycine receptors: subunit-dependent modulation and identification of potential allosteric binding sites	Espinoza-Scholz B; Marileo, A.M; Acevedo-Zapata, N; Burgos C.F; Yévenes G.E	Neuropharmacology
32	Effect of angiotensin II on proliferation and cell cycle arrest in cardiac fibroblasts cultured on hydrogels	Riva-Carrillo, F. Sagredo-Martínez, P. Díaz-Araya, G.	Molecular pharmacology
33	Development of peptide-conjugated nanocarriers for enhanced drug delivery to synaptic structures: Improving neuropharmacological treatments	Diego L. Cifuentes, Simón Zambrano, Fabio Rozas, Nicole Espinoza, Oscar Ramirez-Molina, Carlos Felipe Burgos, José Leonardo Guzmán.	Neuropharmacology
34	Antioxidant Characterization and Preliminary Optimization of a Multi-Herbal Extract of Buddleja globosa, Echinacea purpurea, and Matricaria chamomilla Developed by Knop Laboratorios	Delgado C.1; Campos C.1; Vera W.1; Pozo J.1; Moraga D.1; Rojas C.2; Quinteros G.2	Ethnopharmacology
35	Erratic estradiol and progesterone supplementation induces perimenopause-like cytological and physiological changes in ovariectomized rats	Cáceres-Vergara D1, Bahamonde-Cavieres T1, Renard GM	Neuropharmacology
36	Systematization and Automated Detection of Potential Prescribing Cascades in Primary Health Care in Valdivia, Chile	Asencio L. A. 1,5; Atencio R. 2,5; Veas Castillo L. 3,5; Sánchez-Montoya E. 4, 5	Pharmacoepidemiology
37	Acute increase of serotonin impairs the induction of excitatory synaptic plasticity in the mouse hippocampus	Camus-Bolados J.1,2; Grubsic C.1,2; Santander O. 1,2; Chávez AE1,2.	Neuropharmacology
38	Development of multifunctional lipid nanosystems for adjuvant molecule encapsulation and modulation of B-cell activation	Alegría-Gallardo A. 1,2; Carreño GF. 1; Yuseff MI. 2; González-Aramundiz JV. 1	Biopharmaceuticals
39	A2B adenosine receptor antagonism modulates FOXO1 expression and cell cycle progression in glioblastoma stem-like cells	Guerrero B. 1; Silva P. 1; Villagrán V. 1; Cuevas A. 1,2; Carrillo D. 1,2; San Martin R. 3; Quezada C. 1,2	Molecular pharmacology
40	Consequences of adolescent cannabinoid exposure on impulsivity in adults female rats	Aliaga-Hermosilla, C.A. 1 and Fuentealba, J.A.1	Neuropharmacology
41	Biocompatibility and modulation of dendritic complexity in primary neuronal cultures neurons of Reelin-interfering peptides	Malio C. 1 ; Maturana M. 4 ; Gutiérrez A. 1 ; Gómez D. 1 ; Ampuero E. 1 ; Santana P. 2 ; Ramírez D. 3	Neuropharmacology
42	Ru(II) Complexes with Pyrazolone-Derived Ligands: Physicochemical Properties and Trypanocidal Activity against Trypanosoma cruzi	Arcos M. A.[1]; Fernández M.2; Rostán S. 2; Rocha E.[1]; Liempi A.3,4; Kemmerling U.4; Otero L.[2]; Olea-Azar C.[1]; Moncada-Basualto M. 3	Medicinal chemistry
43	Differential effects of fentanyl on primary rat glial cultures: a concentration-response analysis	Mauricio Quezada1, Pablo Berrios-Cárcamo1, Patricia Luz-Crawford2,3, Belén Olivares4, Paola Morales5, Felipe A. Bustamante-Barrientos2,3,6, Marcelo Ezquer1, Fernando Ezquer1	Neuropharmacology
44	D-Aspartate uptake in striatal synaptosomes and relapse ethanol drinking after riluzole treatment to aversion-conditioned mice	Aguirre-Muñoz F.1; González-Madrid A.1; Ponce C.1; Bergez D.1; De Gregorio C.1; Ezquer F.1; Berríos-Cárcamo P.1	Neuropharmacology
45	Metabolic and neurobiological responses to dietary intervention and tirzepatide following early high-fat diet exposure in mice	Escobar-Luna, J.1,3; Ibacache-Álvarez, J.2,3; Olivares-Barraza, R.3; Sotomayor-Zárate, R.3	Neuropharmacology

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46	Pharmacological Regulation of Glioblastoma Stem like cells neurosphere architecture and molecular phenotype by quercetin and PSB-603	Irribarra-Aguilera C. 1; Aguila B. 1; Guerrero-Tapia B. 1; Cárdenas Y. 1; Silva P. 1; Carrillo-Beltrán D. 2,3; Quezada-Monrás C. 1,3.	Biopharmaceuticals
47	Functional effects of naphthylisopropylamine (NIPA) and its methoxylated derivative (MeONIPA) on serotonin and dopamine transporters	Astudillo F. 1; Valle C. 2; Osses N. 1; Pino J.A.* 2; Iturriaga-Vásquez P.* 3	Molecular pharmacology
48	AMPK activation by metformin and phenformin as a strategy to reverse venetoclax resistance in HL-60 acute myeloid leukemia cells	Acevedo-Jara, M., Fuentes-Retamal, S., Guzmán-Rivera, D.	Chemotherapy
49	Anti-inflammatory effect of boldine on 3T3-L1 adipocytes in a model of inflammation	Javier Rojas Prieto1,2; Maira Vidal Ocare1,2; Carla Díaz-Martínez1; Carla Fonfach Badinella1; Daniela Canales Peña1; Diego Rojas-Adones1; Isadora León Poblete1; Juan Francisco Orellana1; Ricardo Piña Muñoz2; Cristian Suárez-Rozas3; Mabel Catalán Díaz1.	Molecular pharmacology
50	Distinct mitochondrial stress adaptations and senescence-associated responses in MFN1- and MFN2-deficient mouse embryonic fibroblasts	Pesce-González L.1; Almarza G.1; del Campo A.1	Molecular pharmacology