SOFARCHI 2026 Congress

Poster Session

Wednesday, December 2, 2026 · 48 posters

No.	Title	Authors	Pharmacology area
1	Characterization of hydrogel beads for the gradual release of Origanum vulgare L. essential oil and evaluation of their antifungal activity against Candida albicans	Concha, Victoria1*; Díaz-Dosque, Mario2; Jara, José2; Molina-Berríos, Alfredo2	Ethnopharmacology
2	Characterization of p75 neurotrophin receptor expression in sensory and spinal neurons using AAV-sgp75-CRISPR/Cas9 viral gene editing	Muñoz-Alveal Rocio. 1; Recabarren-Cancino Sofia . 1; Uribe-Martínez Camila. 1; Gaete-Riquelme K. 1; E. Yévenes Gonzalo. 1; J. Bustos Fernando. 2; Pérez Viviana *1.	Neuropharmacology
3	Impact of Prenatal Food Restriction on Glucocorticoid-Mediated Gene Regulation in the Hypothalamus of Adult Sprague-Dawley Rats	Tiare P. Vergara1, Maryori Villavicencio1, Alfonso Paredes1, Rafael Barra2	Neuropharmacology
4	Effect of pharmacological antagonism of the adenosine A2B receptor on the regulation of TNF-α-induced proneural-to-mesenchymal transition in glioblastoma stem cells	Rocío Rojas-Ibarra1, Yanara Cárdenas-Aguilar1, Montserrat Baez-Matamala1, Brenda Águila-Díaz1, Pamela Silva-Álvarez1 y Claudia Quezada-Monrás1,2.	Molecular pharmacology
5	Development of a vaginal doxycycline nanoemulgel: optimization and in vitro bioactivity evaluation	Bernal-Cardenas R.1: Campos-Estrada C.1,2; Bahamondez-Canas T. F.1,2	Biopharmaceuticals
6	Consequences of Adolescent Exposure to Cannabinoids on Dopamine Release in the Striatum of Female Rats	Acuña-Casas S. A. 1; Gatica R. 2; Fuentealba J. A. 1	Neuropharmacology
7	HIF-1α as a modulator of SVCT1 and SVCT2: a potential therapeutic target in ischemic stroke	Paula C REYES .1; Solange P Cancino .1; Coralia I Rivas. 1	Molecular pharmacology
8	In Vitro Isolation and identification of foam cells in skeletal muscle macrophages and their contribution to obesity-associated sarcopenia	Zamudio, A.1, Briones, F.1, Almarza, G.1, &. del Campo, A.1	Immunopharmacology
9	Boldine prevents cognitive deficits and preserves prefrontal parvalbumin interneuron excitability following adolescent ketamine exposure in mice	Pavez G. 1; Ahumada J 2,3; Fuenzalida M 2,3	Neuropharmacology
10	Arsenic nanoparticles in skin cancer: pro-apoptotic effects in cell line models	Covarrubias A. A. 1,2 ; Cerda D.1; Marin S.3; Demergasso C.3; Coddou C.1	Biopharmaceuticals
11	Early alterations in AMPA receptor composition in the basolateral amygdala of an Alzheimer’s disease mouse model	Angélica Saez1,2, Nicolás Riffo-Lepe2, Juliana González-Sanmiguel2, Luis Aguayo2,3, Loreto San Martín1,3.	Neuropharmacology
12	Role of ACLY in the expansion of endoplasmic reticulum and fibrotic markers induction in cardiac fibroblasts induced by TGF-β1	Elizabeth Hernández; Gianella Turpo; Raúl Vivar	Cardiovascular pharmacology
13	Preclinical Evaluation of Chronic Psilocin Microdosing as a Potential treatment for Fibromyalgia-Like Pain	Antonella Osses Toledo 1, Antonia Muñoz 2, Estibaliz Ampuero 2, Francisca Arriaza 1, Fernando Ortiz 2, Teresa Pelissier 1, Alejandro Hernández 1, Darío martínes 3, Jeffri Retamal 1, Luis Constandil 1	Neuropharmacology

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14	Evaluation of Lipophilic Cation Derived from Gentisic Acid on Differentiated Adipocyte Browning	Maira Vidal Ocare1,2; Javier Rojas Prieto1,2; 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
15	Seasonality of Mentha suaveolens essential oil: chemical composition, inhibition of Candida albicans adhesion, and cytotoxicity in human oral keratinocytes	Vallejos Thomas 1; Bustos Rocio 2; Molina Alfredo 3; Jara Jose 3; Diaz Mario 3	Biopharmaceuticals
16	Pleiotropism as a therapeutic opportunity: LRRK2 as a target in Parkinson's and IBD	Isadora León P1,2,3, Carla Díaz-Martínez1, Juan Francisco Orellana1, Carla Fonfach Badinella1, Daniela Canales Peña1, Diego Rojas-Adones1, Javier Rojas Prieto1, Maira Vidal Ocare1, María Leonor Bustamante2,3, Mabel Catalán Díaz1	Pharmacogenetics
17	Increased excitability of D1R-expressing striatal neurons is associated with reduced GlyRα2 expression at the onset of Alzheimer’s disease	Guerra-Céspedes Y. Q. 1; Srain-Merino K. A. 1; Peña C. 1; Gonzales-SanMiguel J. 2; Riffo N. 2; Gallegos S. 1; Aguayo L. G. 1; Ojeda J. 1; Armijo-Weingart L. 1	Neuropharmacology
18	Evaluation of the antitumor activity and molecular mechanisms of Mentha suaveolens essential oil in oral squamous cell carcinoma	Parada M. F; Jara S. J.	Molecular pharmacology
19	The role of HIF-1α in TGF-β1-induced metabolic reprogramming during cardiac fibroblast differentiation	Ponce, J.N.; Vergara-Rojas, M.; Landaeta-Verdejo, J.; De León, V.; Catalán, M.; Vivar, R.	Cardiovascular pharmacology
20	Human Multicellular Placental Microtissue: A Tool for Evaluating the Effects of Metal Complexes with Hybrid Nitrocoumarin–Thiosemicarbazone Ligands on Trypanosoma cruzi Infection	Fernández-Vásquez F. 1 ; Rocha E. 1,3 ; Liempi A. 1,2 ; Moncada-Basualto M. 1	Medicinal chemistry
21	Pharmacological Blockade of the Adenosine A2B Receptor Modulates Endothelial Transdifferentiation Markers in Glioblastoma Stem-Like Cells	Aguila-Diaz B. 1; Cárdenas Y. 1; Baez M. 1; Olivera M. 1; Rojas R. 1; Irribarra C. 1; Quezada C. 1	Chemotherapy
22	Characterization of P2Y2, HER2, and EGFR expression and assessment of P2Y2–HER2 association in gastric cancer cell models and tumor biopsies	Gutiérrez-Richards S., Venegas, F., Cerda D., Covarrubias A.A, Coddou C.	Clinical pharmacology
23	The phytocomplex of Mentha suaveolens essential oil as a promising antifungal candidate: inhibition of growth, morphogenesis and biofilms of Candida albicans independent of fluconazole resistance	Rocío Bustos-Izquierdo 1, Rocío Santander 2, Daniela Adorno 3, Julieta Orlando 4, Alfredo Molina-Berrios 5.	Biopharmaceuticals
24	Production and physicochemical characterization of recombinant anti-MICA antibodies via expression in ExpiCHO-S cells	Andrade MD.1, Montana Bruno D.1, Garrido MJ.1, González-Herrera F.1, Fehring N.1, Matthies DJ.1, Guerra Y.1, Tello S.1, Campos I.1, Toledo-Stuardo K.2, Molina MC.1	Immunopharmacology
25	Effect of novel drugs on monoaminergic uptake of the dopamine transporter (DAT)	Leal, C.1; Hernández, V.1; Astudillo, F.2; Valle, C.3; Pino, J.A.4; Osses, N.2; Iturriaga-Vásquez, P.1	Molecular pharmacology
26	Characterization of p75 Neurotrophin Receptor: Expression and Pharmacological Inhibition in a Murine Model of Neuropathic Pain	Recabarren-Cancino Sofía, Uribe-Martínez Camila, Muñoz-Alveal Rocío, Yévenes Gonzalo, Pérez Viviana	Neuropharmacology
27	Phenylalanine F125 modulates the sensitivity of TASK-3 to inhibition by bupivacaine: implications of lateral fenestrations for pharmacological action	González N. 1,2; Marzola Y. 1,2,3; Márquez J.C.E 4,5; Maldonado C. 1,2; Zuñiga R. 1,2; Zuñiga L. 1,2.	Molecular pharmacology

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28	PLK1 as therapeutic target in tumor metastasis: in silico identification of potential inhibitors through the integration of ligand-based and structure-based approaches	Yudith Cañizares-Carmenate*,1; Erix W. Hernández-Rodríguez1; Yunier Perera-Sardiña2; Dina B. Aguado-Herrera3; Roberto Díaz-Amador1; Francisco Torrens4; Juan A. Castillo Garit5	Medicinal chemistry
29	The role of GLUT-1 and mitochondrial function in the metabolic reprogramming of cardiac fibroblasts induced by TGF-β1	Javiera Landaeta-Verdejo[1]; Javiera N. Ponce[1]; Mariana Vergara Rojas[1]; Víctor De León-Aravena[1]; Gianella Turpo Huanacchiri[1]; Elizabeth Hernández[1]; Raúl Vivar[1]	Medicinal chemistry
30	Boldine requires AMPK and PKA activation to prevent glycolysis and consequent cardiac fibroblast differentiation induced by TGF-β1	Víctor De León-Aravena (1,2), Javiera Landaeta-Verdejo (1,2), Javiera N. Ponce (1,2), Mariana Vergara Rojas (1,2), Gianella Turpo Huanacchir (1,2), Elizabeth Hernández (1,2), Mabel Catalán (1,2), Raúl Vivar (1,2)	Cardiovascular pharmacology
31	Functional effect of HER2 and P2Y2 receptor transactivation on proliferation and migratory capacity in cell models derived from gastric cancer	Rubio-Flores V,, Cerda D., Covarrubias A.A, Coddou C.	Molecular pharmacology
32	Stress susceptibility is associated with molecular and neuroplastic changes in the nucleus accumbens	Guzmán-Castillo A.1,4; Gallegos S.2,4; Aguayo L.3,4	Neuropharmacology
33	Acetylsalicylic acid mitigates Trypanosoma cruzi-induced placental and endothelial inflammation: Role of aspirin-triggered pro-resolving molecules and Rho kinase pathway	Alfaro S. 1 and 2; Gallardo C. 2; Rocha E. 1; Gongora M. 1; Férnandez G. 2; Muñoz K. 2; Osorio F. 2; Herrera S. 2; Castillo C. 2; Liempi A. 2; Kemmerling U. 2; Maya J.D. 1	Molecular pharmacology
34	$TPP^{+}C10$, a mitochondria-targeted gallic acid derivative, exerts anti-inflammatory and metabolic effects in adipocytes	Fonfach Badinella C.1,2 ; Díaz-Martínez C.1; Orellana JF.1; León Poblete I.1; Canales Peña D.1; Rojas-Adones D.1; Salaue S.1; Suárez Rozas, C.3; Lorenzo O.2; Catalán M.1	Molecular pharmacology
35	Compounds containing the aminoalkyloxy moiety targeting histamine H3 receptor and acetylcholinesterase	Espinosa-Bustos, C. 1; Diaz-Venegas, J. 1; Osses-Mendoza, P. 1; Gutierrez, M. 2; Stark, H. 3	Medicinal chemistry
36	In search of GABA-secreting bacteria for the development of a psychobiotic formulation	Miño Vivar M. 1 , Renard GM. 1 , Bravo V. 1	Neuropharmacology
37	Influence of Sigma-1R on the Function and Somatodendritic Distribution of the Purinergic P2X2 Receptor	Rubilar N.1; Verbal F.1; Pinto-león A.1; Ramirez-Molina O.1; Vergara M.1; Gavilán J.1; Panes J.1; Fuentealba J.1	Neuropharmacology
38	Stable lipid-based nanoparticles as a platform for mRNA vaccine development	Carreño G.F, Marcelo López-Lastra, González-Aramundiz, JV	Biopharmaceuticals
39	Evaluation of N-nitroindazolin-3-ones against Trypanosoma cruzi: biological activity on replicative stages and molecular docking studies on GAPDH and trypanothione reductase	Parra-Magna S.1,2; Rocha-Valderrama E.1,2; Moncada M.2; Hachim D.3; Olea C.1	Medicinal chemistry
40	Evaluation of fluoxetine effects on maternal behaviour in Euborellia annulipes: A potential novel animal model for studying psychoactive drugs	Díaz-Sandoval, C.A.A. 1,2; Pardo, R. 1,2; Sarrazin, A.F. 1; Bravo, J.A. 2,3	Neuropharmacology
41	The interference in the reelin signaling pathway by a peptide reactivates plasticity in cortical neurons	Amanda Gutiérrez Riffo1, Estibaliz Ampuero1, David Ramirez2, Paula Santana3, Violeta Chang4	Neuropharmacology
42	Repeated oral exposure to polyethylene nanoplastics: temporal evaluation of brain distribution and nociceptive sensitivity in rats	López I. R. 1; Osses A. 2; Arriaza F. 2; Vidal R. 1; Constandil L. 2	Toxicology

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43	Molecular insights into the chemical activation of TRPM8	Solorza J. 2; Gómez del Campo A. 1; Lara C. 1; Alliende F. 1, Necuñir D. 1; Madrid R. 1; Riedelsberger J. 2; Pertusa M. 1	Molecular pharmacology
44	Therapeutic potential of Fuchsia magellanica Lam.: characterization of its pharmacological properties against inflammatory and oxidative processes	Daniela Canales Peña [1,2], Diego Rojas-Adones [1,2], Javier Acevedo Hernández[2], Carla Díaz- Martínez [1], Carla Fonfach Badinella[1], Isadora León Poblete[1], Juan Francisco Orellana[1], Mabel Catalán Díaz[1] y Gabriela Valenzuela-Barra [2].	Ethnopharmacology
45	SERT inhibition and reduction of NPM and NPE modulated evoked dopamine release	Atiés C.[1]; Valle C.[2]; Pino J.[2]; Segura K.[1]; Hernandez-Galán V.[1]; Velásquez V.[3]; Sotomayor-Zárate R.[3]; Iturriaga P.[1]	Neuropharmacology
46	Chronic ketamine administration increases in vivo dopamine release and the amplitude of spontaneous excitatory currents in nucleus accumbens of adult male rodents	Velásquez, V.B.1,2; Estay-Olmos, C.1,2; Etchegaray-González, C.1; Carrasco-Gutiérrez, R.1,2; Covarrubias, M.J.1,2; Escobar-Luna, J.1,2; Ibacache-Álvarez, J.1,3; Maldifassi, M.C.1; Fuenzalida, M.1,4, Sotomayor-Zárate, R.1	Neuropharmacology
47	Physical Characterization and Biocompatibility of Human Fibroblasts-derived Secretome-Functionalized Patches	Daniel Isaac Macias Flores 1, Caroline Weinstein-Oppenheimer 2, Ricardo Ceriani Fernández 3.	Molecular pharmacology
48	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