

FULL PROGRAM XLIII ANNUAL MEETING SOCIEDAD DE FARMACOLOGIA DE CHILE CADI, PUNTA ARENAS, CHILE, 2022

	MONDAY, DECEMBER 5 th		
8:30 - 11:00	REGISTRATION		
9:00 -11:00	Symposium 1: "Biomedical Sciences from Magallanes"		
	Coordinator: Dr. Waldo Cerpa		
9:00 - 9:30	Regulation of NMDA receptor signaling and distribution in traumatic brain injury		
9:30 - 10:00	Dr. Waldo Cerpa, U. de Magallanes and P. Universidad Católica de Chile Skeletal Muscle dysfunction and pathological features due to Binge-Alcohol administration		
5.50 10.00	Dra. Daniela Rebolledo, Universidad de Magallanes		
10:00 - 10:30	Purinergic mediated signaling in brainstem chemoreceptor neurons: Role in disordered-breathing during cardiac		
	failure		
	Dr. Rodrigo del Río, P. Universidad Católica de Chile		
10:30 - 11:00	Non respiratory functions of the carotid body in health and disease		
	Dr. Rodrigo Iturriaga, U. de Magallanes and U. De Antofagasta		
11:00-:11:30	Coffee Break		
	Symposium 2: "Purinergic Signaling on Pathophysiology: A latinoamerican view""		
11:30-13:30	Coordinator: Dr. Claudio Coddou		
44.20.42.00			
11:30-12:00	Regulation of the purinergic receptors and its potential role on pain signaling Dr. Claudio Coddou, Universidad Católica del Norte		
12:00-12:30	<i>Extracellular ATP/P2X7 receptor, a regulatory axis of cell survival and migration in ovarian carcinoma-derived</i>		
	cells.		
	Dr. Francisco Vázquez-Cuevas, Universidad Nacional Autónoma de México		
12:30-13:00	P2Y2 receptor signaling in Gabaergic differentiation and Huntington disease		
	Dr. Henning Ulrich, University of São Paulo		
13:00-13:30	Extracellular nucleotides in muscle plasticity and muscle-bone crosstalk		
	Dra. Sonja Buvinic, Universidad de Chile		
13:30:15:00	LUNCH (not included)		
	Lonen (not included)		
15:00-15:30	OPENING CEREMONY		
	Dr. Javier Bravo, SOFARCHI president		
	OPENING LECTURE		
15:30-17:00	65 years of antidepressants- where are we now?		
	Dr. Alan Frazer, University of Texas Health Science Center, USA		
17:00-17:30	Coffee Break		
17:30-18:30	Oral Communications (see below)		
18:30-20:30	Poster Presentation (see below)		
20:30-21:00	OPENING COCKTAIL		

ORAL COMMUNICATIONS

Monday 5/12/2022. Time: 17:30-18:30; Room: AUDITORIO PRINCIPAL.		
Presentation	Title	Expositor
1	A network pharmacology approach to identify molecular targets for polypharmacological therapies against Alzheimer disease	Ramírez Sánchez, David
2	Serotonin-endocannabinoid crosstalk induces selective long-term depression at GABAergic inhibitory synapses in the medial prefrontal cortex	Chávez Navarrete, Andrés
3	Mechanism for Microbial Regulation of Psychostimulant Abuse	Carter, Angela
4	Anti-inflammatory steroids as potential allosteric modulators of the human 5-lipoxygenase	Mascayano Collado, Carolina
5	Monday 5/12/2022. Time: 17:30-18:30; Room: AULA TECNOLO	Carreño, Gisela
6	Design and optimization of nanosystems for drugs with poor biopharmaceutical properties through mathematical modeling	Valdivia, Rayen
7	Brain oxidative stress and cardiac inflammation during early adulthood following adolescent binge drinking behavior: implications for long-lasting cardiac dysfunction	Díaz Alvarado, Hugo
8	NUDT15, MRP4 and the development of precision medicine in Chile	De la Rivera Morales, Alonso

POSTER PRESENTATION

	Monday 5/12/2022. Time: 18:30-20:30; Room: PANELS AND SPONS	
Panel	Título	Expositor
1	Indorenate, an antihypertensive drug with novel antihyperglycemic properties mediated by PPARy and GLUT4	Giacoman Martínez, Abraham
2	Anti-inflammatory activity of alpha-amyrin and lupeol	Almanza Pérez, Julio Cesar
3	Unraveling therapeutic effect of secretome from human mesenchymal stem cells on murine chronic alcoholism by bioinformatics analysis and network pharmacology	Valenzuela Martínez, Ignacio
4	Natural compounds as inhibitors tyrosine kinase receptors linked to oncological diseases and and its monitoring by molecular diagnosis	Méndez Rojas, Claudio
5	Trisubstituted pyrimidines as possible regulators of autophagy and mitophagy	Silva Urbina, María José
6	Senescence in skeletal muscle, a potential cross-talk between UPRmt and mitochondrial morphology	Marimán, Andrea
7	Glutamate-induced oxidative stress in astrocytes decreases P2X7r expression through gene promoter hypermethylation	Ríos Gallardo, Angélica
8	Differential modulation of inhibitory receptors by Gelsemium alkaloids	Marileo Cordova, Ana
9	Effect of type and percentage of fourth generation PAMAM dendrimers superficial modification on in vitro internalization kinetics	Cifuentes, Diego
10	In silico screening of small molecules designed to interact with resistant phenotypes of GABA Rdl receptors	Burgos Arias, Carlos
11	Prenatal alcohol exposure alters alternative splicing patterns in neurons	Olivares Costa, Montserrat
12	Behavioral evaluation of the entactogen MDMA (3,4-methylenedioxymethamphetamine, "ecstasy") on the helping behavior paradigm in sprague-dawley rats	Morales Vidal, Michelle
13	The effect of aromatic bromination of MDMA (3,4-methylenedioxymethamphetamine, "ecstasy") on short-term and long-term visuospatial memory in sprague dawley rats	Palma, Boris
14	Participation of pannexin-1 channels in the addiction-like process induced by high-fat diet in mice	Hernández Kunstmann, Alejandro
15	Design, modeling and validation of peptides that interfere with the reelin signaling in mature hippocampal neurons	Ampuero, Estíbaliz
16	Effects of ethanol are altered in double knock-in mice expressing two ethanol insensitive glycine receptor subunits	San Martín Vásquez, Loreto
17	Determining the role of Glycine inhibitory currents in the pain processing in the Central amygdala	Mariqueo Cancino, Trinidad
18	Changes in physiological and pharmacological properties of glycine receptors in aged accumbal neurons	Gallegos Gallegos, Scarlet
19	-	
20	Effect of alda-1, a pharmacological activator of aldh2, on the consummative behavior of a rat model of concurrent intake of alcohol and nicotine	Solís, Fresia
21	Influence of subchronic atorvastatin treatment on memory in ovariectomized female mice	Briones Aranda, Alfredo
22	HCN2 ion channel blockade as a strategy to inhibit the ethanol-induced dopamine release in the nucleus accumbens of rats	Gutiérrez, Ignacio

23	Reduction of relapse-like alcohol or nicotine consumption by oral administration of alda-1 to rats:	
25	assessment of neuroinflammation and oxidative stress markers	Adasme Reyes, Sofía
24	Pharmacological inhibition of Wnt/beta-catenin signaling improves the regeneration of the neuromuscular synapse	Henríquez, Juan Pablo
25	Copao pulp intake improves spatial memory and hippocampal plasticity in models of Alzheimer's disease	Sandoval, Rodrigo
26	Allosteric modulation of glycine receptors by resveratrol	Espinoza Rubilar, Nicole
27	Elucidating the molecular determinants underlying the interaction of neurosteroids with the alpha 3 glycine receptor	Quintana, Santiago
28	Effects of PKA-mediated phosphorylation in function of the glycine receptor alfa 3k variant	Fariña Oliva, Katerine
29	Intrinsic apoptotic pathway is increased in perinatal asphyxia-exposed female rats: intranasal- mesenchymal stem-cells secretome treatment	Farfán, Nancy
30	Nucleus accumbens dopaminergic neuromodulation of synaptic transmission is impaired in adult rats exposed to chronic high fat diet during childhood and adolescence	Plaza Briceño, Wladimir
31	Effects of nicotine and the nAChRs antagonist UFR2709 on behavior and gene expression of Sprague Dawley rats	Hodar Salazar, Martín
32	Role of the chronic reduction of mesolimbic dopaminergic activity on the Quinpirole-induced locomotor sensitization	Sejas Muñoz, Rubén
33	Behavioral study of 3-chlorocytisine in zebrafish using the novel tank diving test (NTT)	Farías Cea, Amaury
34	Role of glucocorticoid receptors on the expression of GABAA receptor subunits in the hippocampus of chronically stressed rats	Alarcón Mardones Matías, Ignacio
35	Modulation of synpatic transmission in nucleus accumbens core by the activation of 5-HT2a receptor	Estay, Camila
36	Clodronate-induced adenosine accumulation in the rat mesenteric bed perfusate following electrical nerve terminal depolarization and extracellular media of cultured mesentery endothelial cells	Donoso Gomien, Verónica
37	FoxO1 is necessary for cardiac fibroblasts inflammation induced by high glucose	Vivar Sánchez, Raúl
38	LPS induces premature adult rat cardiac fibroblast senescence	Osorio Sandoval José Miguel
39	Role of hyperpolarization-activated cyclic nucleotide-gated channels in the nlrp3 inflamasome activation induced by simulated ischemia/reperfusion in rat cardiac fibroblasts	Torres, Katalina
40	Ivabradine blockade of hyperpolarization-activated cyclic nucleotide-gated channels in the tgf-beta1- induced differentiation of cardiac fibroblast to myofibroblast	Leiva, Belén
41	Spectroscopic determination of secondary metabolites of pseudocyphellaria berberina and antimicrobial activity against staphylococcus aureus and pseudomonas aeruginosa	Quiñones, Natalia
42	Cytotoxic activity and Topoisomerase I inhibition of new sesquiterpene/phenol derivatives from drimenol	Cuellar Fritis, Mauricio
43	Evaluation of synthetic arylketones and chromen-4-ones as antivirulence agents against mrsa, antiviral agents against beta coronavirus oc-43 and as cox/ 5-lox inhibitors	Vásquez Martínez, Yesseny
44	Biological evaluation of ferrocenyl chalcones and their organic analogs as new dual 5-lox/cox-2 inhibitors	Muñoz Osses, Michelle Loreto
45	Evaluation of the dual anti-inflammatory activity against COX-2 and 5-LOX of ferroleuton, a new organometallic complex derivative from the drug zileuton	Navarrete Tudela, Elizabeth
46	Novel schiff base type ferrocenylthiazole as a potent human 5-lipoxygenase inhibitor	Torres González, Simón
47	Changes in the plasma metabolome of covid-19 patients associated with their degree of severity, using a metabolomic analytical tool based on UHPLC-QTOF	Mardones Peña, Claudia
48	synthesis of a new series of β-carbonyls by ugi reaction and their possible inhibitory effect against pseudomonas aureginosa	Cavagnero Alvarez, Pablo
49	Antibacterial and antibiofilm activity of crude alkaloid from Fusarium sp	Correa Otero, Diana
50	Ornithine decarboxylase as a new target for improving the effect of KRAS-G12C inhibitors in non-small cell lung cancer cells	Martin Martin, Antonia
51	Quetiapine prescription pattern at public primary healthcare centre cesfam angachilla (cav) in valdivia- región de los ríos between october 2019-october 2021	Sánchez Montoya, Eliana
52	Impact of white strawberries polyphenols on intestinal and liver health in obese mice	Thomas Valdés, Samanta
53	Antibacterial activity of the resinous exudate of adesmia balsamica against human pathogenic bacteria	Reyes Vera, Constanza
54	Antifungal study of the essential oil and main components of Gardoquia gilliesii (Lamiaceae)	Valdés Navarro, Francisca Javiera
55	Evaluation of secondary metabolite content, antioxidant and anticancer activity of extracts of notanthera heterophylla (ruiz et pav) g. don.	Martínez Lobos, Manuel
56	Sequential and combined administration of specialized pro-resolving mediators as a novel therapeutic strategy in the resolution of vascular inflammation	Campos Estrada, Carolina
57	Fecal microbiota transplant from young and trained donors improves muscle function of aged mice	Jorquera Olave, Gonzalo
58	Determination of the polymorphic variants in enzymes related to the metabolism of capecitabine an its association with treatment toxicity in patients with colorectal cancer	Peña, Sebastian
59	Evaluation of the antitumor activity of Disttrichia viscosa exudate against melanoma	Flores González, Susana Belén

TUESDAY, DECEMBER 6th

8:50-9:20	Precision Microscopy and Tissue Cytometry in Immunology Research. Dr. Rupert Ecker Talk sponsored by Ursula Biggemann y Cía. Ltda.		
	Symposium 3: "New insights in the pharmacological modulation of central synapses""		
9:20-11:00	Coordinator: Dr. Gonzalo Yévenes		
09:20-09:50	Functional modulation of inhibitory synapses by novel pharmacological tools Dr. Gonzalo Yévenes, Universidad de Concepción		
09:50-10:20	Mechanism of mu opioid receptor-mediated synaptic plasticity in the dorsal striatum Dr. Braulio Muñoz , Indiana University School of Medicine, USA		
10:20-10:50	Super-resolution imaging of receptor-scaffold interactions at inhibitory synapses as pharmacological target Dr. Christian Specht , Université Paris-Saclay		
11:00 - 11:30	Coffee break		
	KEYNOTE LECTURE		
11:30-13:00	Brain circuits for regulating emotion		
	Dr. Andrew Holmes, NIAAA, NIH, USA		
13:00 - 15:00	LUNCH (not included) / Incorporations for new members		
	Symposium 4: ""Surgical pain: Monitoring and strategies to prevent chronifcation"		
15:00-17:00	Coordinator: Dr. Luis Constandil		
15:00 - 15:30	Pharmacological strategies to prevent postoperative chronic pain		
	Dr. Luis Constandil, Universidad de Santiago de Chile		
15:30 - 16:00	Towards an animal model of intraoperative nociceptive activity during general anesthesia		
	Dr. Francisco Flores, Massachusetts General Hospital, USA		
16:00 - 16:30	Intraoperative nociception monitoring		
	Dr. José I. Egaña, Universidad de Chile Alcohol-induced neuroinflammation-oxidative stress cycle: Inflammatory and antioxidant drugs inhibit		
16:30 - 17:00	chronic alcohol intake and blunt relapse binge-drinking		
10.50 17.00	Dr. Pablo Brumovsky, Universidad Austral, Argentina		
17:00 -17:30	Coffee break		
	KEYNOTE LECTURE		
17:30-19:00	Gut microbiota: fellow travellers that regulate brain & behaviour across the lifespan		
	Dr. John Cryan, University College Cork, Irlanda		
19:00-20:00	Oral Communications (see below)		

ORAL COMMUNICATIONS

	Tuesday 6/12/2022. Time: 19:00-20:00; Room: AUDITORIO PRINCIPAL.	
Presentación	Título	Expositor
9	In vitro and in vivo binding capacity analysis of antibodies against the MICA immunotarget in gastric cancer	Toledo Stuardo, Karen
10	Comparing software performance for comprehensive drug synergy studies developed in a robotic platform for in vitro combinations	López Muñoz, Rodrigo
11	Efecto antihipertensivo dependiente del tiempo de aspirina using mathematical modeling to understand the time-dependent antihypertensive effect of aspirin	Cortés Ríos, Javiera
12	Bovine tumor necrosis factor-alpha increases il-6, il-8, and pge2 in bovine fibroblast-like synoviocytes by metabolic reprogramming	Burgos Aguilera, Rafael
	Tuesday 6/12/2022. Time: 19:00-20:00; Room: AULA TECNOLÓGICA	
13	The pharmacological targeting of the aldh2 as a common mechanism for treating alcohol and nicotine use disorders	Rivera Meza, Mario

14	Antibiofilm activity of Essential Oils against Candida albicans	Molina Berrios, Alfredo
15	Chemical composition and in vitro antitumor activity of Gomortega keule essential oil	Madrid Villegas, Alejandro
16	Chemical modification of the antidepressant fluoxetine to prevent its absorption through the intestinal wall	Rojas Hidalgo, Francisca

WEDNESDAY, DECEMBER 7 th		
	Symposium 5: "Alzheimer Disease: an Update from basic to clinical research"	
9:00-11:00	Coordinator: Dr. Jorge Fuentealba	
09:00-09:30	Menopause and development of alzheimer's disease	
	Dr. Nibaldo Inestrosa, U. de Magallanes and P. Universidad Católica de Chile	
09:30-10:00	Alzheimer's disease is the most common cause of dementia	
	Dr. Gonzalo Klassen, Universidad de Concepción	
10:00-10:30	Progress with the cure for alzheimer's disease	
	Dr. Carlos Opazo, The University of Melbourne, Australia	
10:30-11:00	A great forgotten: the role of P2X2 receptors in alzheimer's disease	
	Dr. Jorge Fuentealba, Universidad de Concepción	
11:00 - 11:30	Coffee break	
	KEYNOTE LECTURE	
11:30-13:00	New therapeutic approaches in the renin-angiotensin system	
	Dr. Sergio Lavandero, Universidad de Chile	
13:00 - 15:00	LUNCH (not included) / Incorporations for new members	
15:00-17:00	Symposium 6: "Natural products that promote tissue regeneration"	
15.00 17.00	Coordinator: Dra. Caroline Weinstein	
15:00 – 15:30	Preclinical assays for matpatch™, a phytotherapeutical patch for	
	the treatment of ischemic skin ulcers in the elderly	
	Dra. Caroline Weinstein, Universidad de Valparaíso	
15:30 – 16:00	Formulation of water soluble Buddleja globosa hope extracts and their antimicrobial properties against	
	Pseudomonas aeruginosa	
16:00 - 16:30	Dra. Tania Bahamondez, Universidad de Valparaíso	
10.00 - 10.30	Natural products for wound healing in veterinary medicine	
16:30 - 17:00	Dra. Andrea Muller, Universidad de O'Higgins MEL prize finalists	
17:00 -17:30	Coffee break	
17:30-18:30	Oral Communications (see below)	
1	Poster Presentation (see below)	

ORAL COMMUNICATIONS

Wednesday 7/12/2022. Time: 17:30-18:30; Room: AUDITORIO PRINCIPAL.		
Presentation	Title	Expositor
17	Rapid no production by aldosterone in endothelial cells elicts intracellular signaling cascades contributing to vascular communication	García-Huidobro Toro, Juan Pablo
18	Maresin-1, promotes anti-inflamatory response in liver fibrosis by switching liver macrophages phenotype from M1 to M2	Zuñiga Hernández, Jessica
19	Effects of arsenic (As) exposure on the microbiota-gut-brain axis of young healthy female sprague-dawley rats	Barrera Bugueño, Camila

	Wednesday 7/12/2022. Time: 17:30-18:30; Room: AULA TECNOLÓGICA		
20	Novel mitochondrial strategies to modulate Mitochondria–Endoplasmic Reticulum Contacts formation on Alzheimer disease: the role of inhibitors of mitochondria complex I and transglutaminase type 2	Panes, Jessica	
21	MITSVCT2, its role in disease and its pharmacological opportunities	Muñoz Montesino, Carola	
22	Analytical developments in miniaturized extraction systems for the determination of drugs and pharmaceuticals in biological samples	Vejar Vivar, Carmina	

POSTER PRESENTATION

	Wednesday 7/12/2022. Time: 18:30-20:30; Room: PANELS AND SPC	NSORS HALL
Panel	Título	Expositor
1	Search for pharmacophores based on bioactive molecules in key proteins for Alzheimer's disease	Valenzuela Paulina
2	Hunting novel Alzheimer-disease related targets using networks	Peña Varas Carlos
3	Assessment of nociception and chronic pain in a glycine receptor alpha1 subunit knock-in mouse model	San Martín Murga Victoria
4	Beta-amyloid accumulation and its implications on SVCT2 localization: focus on neuronal cell lines and	
-	mouse hippocampal neurons	Morel Soto Camila
5	Analysis Of Purified Microglia And Astrocytes From Mice That Voluntarily Drink Ethanol Chronically	Berrios Cárcamo Pablo
6	Increases calpain-1 levels by P2X2r activation promote the amyloidogenic pathway and beta-amyloid	
	peptide generation	Gavilán Javiera
7	BDNF-mediated modifications in the mitochondrial network	Soto Saavedra Camila
8	Identification of drug-like molecules through molecular modeling of the interaction between the trpm4	
	ion channel and the kctd5 protein	Peña Luciano
9	Naryl-2-(ndisubstituted)acetamide compounds blocking nav1.5, kv1.5 and task-1 channels, a	
	polypharmacological strategy for the treatment of atrial fibrillation	Camargo Ayala Lorena
10	Functional pharmacology of a tricyclic sulfonamide on glycine receptors	Lara Sanhueza César
11	Spinal adenylyl cyclases in chronic pain	Sazo Anggelo
12	Arsenic nanoparticles trigger apoptosis via anoikis induction in OECM-1 cells	Covarrubias Pinto Alejandra
13	Structural-functional analysis of the Oligomeric Structure of the Human Sodium-Coupled Ascorbic Acid	Gatica Miranda Marcell
	Transporter SVCT2	Gatica Miranda Marceli
14	Mechanism of action and binding modes of naphthylisopropylamine (nipa) and its methoxylated	Iturriaga Vácquaz Batricia
	derivative (meonipa) on the serotonin transporter (SERT)	Iturriaga Vásquez Patricio
15	Ascorbic acid decreases oxidative stress against glucose starvation in breast cancer cells in vitro model	Alarcón Catalina
16	The role of Maresin1 in the reversibility of chronic liver fibrosis	Herrera Vielma Francisca
17	Role of rho kinase (ROCK) on the antiinflammatory effect of atorvastatin on trypanosoma cruzi-infected	González Herrera Fabiola
	macrophages	Gonzalez Herrera Fabiola
18	Systematic study of functionalization type and percentage in PAMAM dendrimers on cell viability and	Oyarzún Maximiliano
	methotrexate drug delivery	
19	Peripheral chemoreceptors drive increases in glutamate spillover at the retrotrapezoid nucleus: role in	Bravo Urquiza Liena
	breathing and cardiac dysfunction in heart failure rats	Brave organza zierra
20	Exposure to high-fat diet plus sucrose solution alters gene expression of dopamine and crf receptors in	Olivares Barraza Rossy
	the lateral septum of sprague dawley rats	
21	Effects of intranasal vasopressin administration on amphetamine relapse in adolescent rats	Fuentes Andrea
22	Evaluation of dopamine levels in the nucleus accumbens in mice with overexpression of eaat3 under mild	Tapia Cuevas Vissente Tarantino Hamiet
	unpredictable chronic stress condition	·
23	Excitation/inhibition balance in hippocampal neurons of ca1 in a murine model of chronic epilepsy	Aguilar Hernández Freddy
	induced by pentylenetetrazol	5
24	Changes in Mitochondrial Dynamics After Perinatal Asphyxia and Intranasal Administration of MSC-	Zamorano Cataldo Marta
	Derived Secretome in Hippocampus	
25	Vasopressin in the lateral septum decrease amphetamine induced addictive like behaviors in male and	Cáceres Daniela
	females with a sex-dependent neurochemical effects	
26	Exposure to chronic high fat diet during childhood and adolescence affects release and reuptake of	Velásquez Pineda Victoria
27	dopamine in nucleus accumbens	
27	Pharmacological treatment with phentermine reverses the weight gained after chronic exposure to an	Covarrubias Toro María José
20	obesogenic diet and affects fasting-induced eating behavior in sprague dawley rats	Ancotán Contálas Cortas
28	Neuronal glutamate transporter eaat3 regulates heterosynaptic gabaergic plasticity and reversal learning	Ancatén González Carlos
29	Effect of chronic stress on the regulation of nrf2 pathway in the hippocampus of male and female rats	González-Mori Pablo
30	Comparison of transcriptional signatures in the hippocampus of depressive patients and chronically stressed rats	Fiedler Temer Jenny
21		Olava Olava Falina
31 32	Anxiolytic effect of miR-17-5p: Potential target in the treatment of mood disorders CDK5: a possible modulator of glycine receptor in chronic pain models. Potential modulation of glycine	Olave Olave Felipe
52		Pérez Fernández Viviana
	receptors by Cdk5 signaling in chronic pain states	

33	Vitamin C reverts the increase in ros levels and cell death caused by stroke in a blood-brain barrier in	Arriagada Solange
	vitro model	, and good solange
34	Clemastine restore normal breathing patterns and improves cardiac function in experimental heart failure	Schwarz Flores Karla
35	Beneficial effect of calafate fruit on risk factors associated with cardiovascular disease through a nutritional intervention assay and a metabolomic strategy based on UHPLC-QTOF/MS	Olivares Caro Lia
36	Adult rat cardiac fibroblast senescence induced by Ang II	Díaz Araya Guillermo
37	Resolvin D1 modulates TGF-\beta1-induced senescence in cardiac fibroblasts	Espinoza Pérez Claudio
38	Chronic treatment with lithium chloride improves cardiac function in experimental non-ischemic heart	
	failure	Pereyra Florian Katherin
39	Dyhidro-β-agarofurans natural and synthetic as acetylcholinesterase and COX inhibitors: interaction with	
•••	the peripheral anionic site (AChE-PAS), and anti-inflammatory potentials	Muñoz Nuñez Evelyn
40	Pharmacological effects of lipophilic cation derived from gallic acid in obese mice	Gutiérrez Figueroa Renata
40	Exploring macrocyclic nuclei in beta-tubulin models as possible candidates for microtubule stabilization	Castro Alvarez Luis Alejandro
42	Effect of the essential oil of the leaves of Lampayo medicinalis (Verbenaceae) on the in vitro cell viability	
42	of human fibroblasts	Vera Quezada Waleska
43	Synthesis and Biological Activity of a Series of Polyoxygenated Flavones	Osorio Olivares Mauricio
43	Changes in the murine plasma metabolome after an intervention with exercise and calafate consumption	Nova Baza Daniela
45	In vitro evaluation of the pharmacological activity of L. rivularis stem extract	Marillán Baez Claudia
46	Evidence of a nucleolin-CDK1-related induction of spermidine/spermine-N1-acetyltransferase-1 by	
	indomethacin and its synergistic effect with a polyamine oxidase inhibitor in decreasing viability of lung	Buelvas Jiménez Neudo
	cancer cells	
47	Trypanocidal effect of Baccharis species and chemical profile by LC MS-MS	Cortés Rubiano Carmen
48	Maternal supplementation of a polyphenolic extract of white strawberry on the offspring of obese	Valero Jara Viviana
	pregnant rats	
49	In vitro effects of the resinous exudate of Escallonia pulverulenta on Human Skin Melanoma A375 cells	Silva Pedreros Valentina
50	Substitutions on the pyridine ring of 3-(pyridin-3-yloxy)quinuclidine generates positive allosteric modulators type I	López Villa Jhon Jairo
51	Colonic neurons in the young rat: morphological changes occur after weaning with differences between sexes	Villarroel Guzmán Valentina
52	Can we reproduce the metabolic status induced in young rats by a short period of high fat diet via ceacal microbiota transfer?	Eyzaguirre Johana
53	Changes in purinergic signaling induced by a Lactiplantibacillus plantarum probiotic	Rossi Vargas Gabriela
54	Effects of arsenic (as) exposure on motor activity in female sprague-dawley rats	Heresmann Ilyn
55	Preliminary clinical validation of pharmacogenetic algorithm for dosage of acenocoumarol in atrial	
55	fibrillation patients	Galleguillos Alarcón Macarena
56	Use of a pharmacogenetic algorithm to optimize quality of the anticoagulant therapy in atrial fibrillation patients	Carrasco Cabezas Matías
57	Genetic variants associated with arsenic metabolism and its effect on oxidative stress in individuals exposed by drinking water in Colombian Caribbean populations	Inostroza Torres Valentina
58	β-hydroxybutyrate administration fails to mimic benefical metabolic effects of trf in obese mice	Astudillo Guerrero Camila
	Episodic binge-like ethanol exposure reduces skeletal muscle strength associated with atrophy, fibrosis,	
50		
59 60	and inflammation in young rats Maresin-1 is an antioxidant agent in chronic oxidative stress	Cáceres Ayala Constanza Zuñiga Ahumada María José

FRIDAY, DECEMBER 9 th	
9:00-11:00	<u>Symposium 7: "Pharmacological opportunities targeting long-term metabolic deficits induced by <u>perinatal asphyxia"</u> <u>Coordinator: Dr. Mario Herrera-Marschitz</u></u>
09:00-09:30	Delivery, a metabolic reprogramming hub leading to an uncertain outcome: clinical and experimental considerations Dr. Mario Herrera-Marschitz, Universidad de Chile
09:30-10:00	Secretome-derived from mesenchymal stem cells: a novel biopharmaceutical approach for preventing long-term metabolic insults elicited by perinatal asphyxia Dra. Paola Morales, Universidad de Chile
10:00-10:30	Pulmonary circulation submitted to perinatal chronic hypoxia. is more than vascular reactivity matter Dr. Germán Ebensperger, Universidad de Chile
10:30-11:00	<i>Using 3-D brain organoids as a model in hypoxic brain injury</i> Dr. José Inzunza, Karolinska Institutet University Hospital, Sweden

11:00 - 11:30	Coffee break
	KEYNOTE LECTURE
11:30-13:00	PHARMACOLOGIC MODULATION OF TDP-43: A NEW FUTURE TO FIGHT AGAINST
11:30-13:00	<u>NEURODEGENERATION</u>
	Dra. Ana Martínez, Centro de Investigaciones Biológicas, España
13:00 - 15:00	LUNCH (not included)
15:00-17:00	Symposium 8: "New Insights into Monoamine Transporter Function: From Structure to Disease"
	Coordinator: Dr. Gonzalo Torres
15:00 – 15:30	Monoamine transporter mechanisms: insights from molecular modeling
	Dra. Angélica Fierro, P. Universidad Católica de Chile
15:30 – 16:00	Interplay between hormones, endocannabinoids, and the dopamine transporter in the actions of cocaine
	Dr. José Pino, Universidad de Atacama
16:00 - 16:30	Watch flies teaching us mechanisms of neurological disorders
	Dr. Aurelio Galli, University of Alabama Birmingham
16:30 - 17:00	The reverse transport of monoamines: what is the physiological significance?
	Dr. Gonzalo Torres, Loyola University Chicago
17:00 -17:30	Coffee break
	CLOSING LECTURE
17:30-19:00	Alzheimer's disease: role of Wnt signaling pathway
	Dr. Nibaldo Inestrosa, Universidad de Magallanes and P. Universidad Católica de Chile
19:00-19:30	CLOSING CEREMONY
19:00-19:30	Dr. Javier Bravo, SOFARCHI President
19:30-20:30	Closing Cocktail

XLIII Congreso Anual de la Sociedad de Farmacología de Chile

05 al 09 de diciembre de 2022

Lugar: Centro Asistencial Docente e Investigación (CADI) - UMAG, Punta Arenas, Región de Magallanes y de la Antártica Chilena.



Organizan:









