

PROGRAMA
XLI CONGRESO ANUAL SOCIEDAD DE FARMACOLOGIA DE CHILE 2019
UNIVERSIDAD DE CONCEPCION, CONCEPCION, CHILE

SESIONES PLENARIAS: AUDITORIO: Claudio Gay, Fac. de Cs. Naturales y Oceanográficas **(flecha roja).**

POSTERS, STANDS Y COFFEE BREAKS: Jardines Facultad de Cs. Químicas **(flecha amarilla).**

MAPA:



Puntos de Referencia importantes en Mapa Campus UdeC

1. Rectoría
2. Casa del Arte- Pinacoteca
4. Facultad de Cs. Biológicas - Ed Arco
6. Facultad de Cs. Naturales y Oceanográficas
10. Facultad de Cs. Químicas
48. Laguna Los Patos
50. Foro (Servicios, Baños)

LUNES 04 DE NOVIEMBRE	
11:00 – 15:00	INSCRIPCIONES
	SESION INAUGURAL
15:00 -15 30	Bienvenida, Saludo Autoridades Dr. Jorge Fuentealba Arcos , Presidente SOFARCHI
15:30-17:00	Inaugural Conference <i>THE EMOTION OF SCIENTIFIC DISCOVERY</i> Dr. Antonio G. García, MD, PhD , Fundación Teófilo Hernando, Universidad Autónoma de Madrid, España
17:00 – 17:30	Coffee break Jardines Facultad de Cs. Químicas
Simposio 1	“Purinergic signalling: from structure-activity to application in pathologies”
17:30 – 18:00	<i>Contributions Of Molecular Dynamic Calculations To Structural Biology Understanding, The Case Of Ivermectin And Alfaxalone As P2x4r Modulators.</i> Dr. Juan Pablo García-Huidobro , U. de Santiago de Chile, Chile
18:00 – 18:30	<i>P2X2 Receptor: New Pharmacological Target to AD.</i> Dr. Jorge Fuentealba Arcos , U. de Concepción, Chile
18:30 – 19:00	<i>Role Of Purinergic Signaling In Gastric Cancer.</i> Dr. Claudio Coddou , Universidad Católica del Norte, Chile
19:30-20:30	Presidential Lecture <i>THE PLEASURE OF SCIENCE: MY LIFE IN PHARMACOLOGY</i> Dr. Sir Salvador Moncada, MD, PhD , Manchester University, United Kingdom
20:30-21:30	Cocktail inaugural (Jardines Facultad de Cs. Qcas.)

MARTES 05 DE NOVIEMBRE	
Simposio 2	“Toxicology as a multidisciplinary science “
09:00-09:30	<i>Toxicology as a multidisciplinary Science.</i> Dra. Berta Schulz , U. de Concepción, Chile
09:30-10:00	<i>State of the art of Toxicology in Chile</i> Dra. Fernanda Cavieres , U. de Valparaíso, Chile
10:00-10:30	<i>Epidemiology of intoxications in Chile. 2018 annual report of the toxicological information center of the Pontificia Catholic University of Chile (CITUC)</i> Dra. L. Silva , P. Universidad Católica de Chile
10:30-11:00	<i>Clinical management of poisonings: Specialists needed</i> Dr. C. Müller , U. de Concepción, Chile
11:00 – 11:30	Coffee break Jardines Facultad de Cs. Químicas
11:30 – 12:30	
12:30 – 13:30	Oral Comunications: “Dr. Jorge Mardones Restat” Award 1. Use of nPSi-βCD composite microparticles for the controlled release of caffeic acid and pinocembrin, two main polyphenolic compounds found in a Chilean propolis. Dina Guzmán Oyarzo. 2. Indomethacin impairs polyamine metabolism in lung cancer cells: a KRAS mutation-associated feature?. Freddy López Contreras. 3. Immunological basis of autism: cognitive effects of autoantibodies from autistic children in memory and learning processes. Rodrigo Sandoval Guzmán.
13:30 – 15:00	Almuerzo libre
Simposio 3	“Translational options for the treatment of drug-abuse disorders: opportunities, successes and pitfalls”
15:00 – 15:30	<i>Introductory remarks</i> Dr. M. Herrera-Marschitz , U. de Chile, Chile.
15:30 – 16:00	<i>Translational approaches to the treatment of cocaine addiction</i> Dr. G. Di Chiara , University of Cagliari, Cagliari, Italy.

16:00 – 16:30	<i>Corticotropin-releasing hormone receptor 1 (Crhr1) and addiction: Why the preclinical results did not translate into the clinic?</i> Dr. R. Spanagel , Heidelberg-Mannheim, Germany
16:30 – 17:00	<i>Alcohol-induced neuroinflammation-oxidative stress cycle: Inflammatory and antioxidant drugs inhibit chronic alcohol intake and blunt relapse binge-drinking</i> Dr. Yedy Israel , U. de Chile, Chile.
17:00 -17:30	Coffee break Jardines Facultad de Cs. Químicas
Minisimposios	"Cardiovascular Aging ", " Novel molecular pathways for Schizophrenia "
17:30-17:50	<i>Preventing premature endothelial cell senescence: the role of angiotensin-(1-7)</i> Dra. C. Peiró , Universidad Autónoma de Madrid, Spain
17:50-18:10	<i>Role of NLRP3 inflammasome in vascular damage induced by adipokines</i> Dr. C.F. Sánchez Ferrer , Universidad Autónoma de Madrid, Spain
18:10-18:30	<i>Cardiac fibroblast role on inflammatory process: Interaction with immune cells</i> Dr. G. Díaz , Universidad de Chile, Chile.
18:30-18:50	<i>The Ubiquitin Proteasome System in Schizophrenia</i> Dra. S. Luza , The Florey Institute of Neuroscience and Mental Health, The University of Melbourne, Australia
18:50-19:20	<i>Dysregulation of The Amyloid Precursor Protein and Iron in Schizophrenia</i> Dr. C. Opazo , , The University of Melbourne, Australia
19:20-19:30	Final remarks
POSTERS 19:30-20:30	POSTER SESSION 1 (1-62): JARDINES DE Facultad de Cs. Químicas

MIERCOLES 06 DE NOVIEMBRE	
Simposio 4	"Strategies for the design and development of new drugs"
09:00-09:30	<i>Drug design strategies based on the molecule</i> Dr. J. Andrades-Lagos , U. San Sebastián, Chile
09:30-10:00	<i>Integration of structural bioinformatics and chemical biology for the discovery of novel drugs</i> Dr. C. Lagos , U. San Sebastián, Chile
10:00-10:30	<i>Design strategies for new classes of antibacterial drugs, a hope in a post-antibiotic era</i> Dr D. Vásquez-Velásquez , U. de Chile, Chile
10:30-11:00	<i>Preclinical development of a new class of antibacterials, a national experience</i> Dr. J. Campanini-Salinas , U. San Sebastián, Chile.
11:00 – 11:30	Coffee break Jardines Facultad de Cs. Químicas
11:30 – 12:30	Conference Direct C–H Functionalization of Cytisine. Nicotinic receptor selectivity and mechanism of activation Dr. Tim Gallagher, UK, Bristol University, UK
12:30 – 13:30	Oral Comunicaciones: INCORPORACIONES 1. AMPK activation on cardiac fibroblasts: role in autophagy and cell proliferation induced by catecholamines. Pablo Aránguiz Urroz . 2. The effect of the allosteric inhibitor of RIPK1 (NEC-1) on ovary function: importance of necroptosis in follicular development. Fernanda Cuevas Contreras . 3. TLR4, but neither Dectin-1 nor Dectin-2, participates in the mollusk hemocyanin-induced proinflammatory effects in antigen-presenting cells from mammals. José Jiménez Rubilar 4. Discovery of novel TASK-3 potassium channel blockers. David Ramírez Sánchez
13:30 – 15:00	Almuerzo libre
Simposio 5	"Alzheimer's disease: new targets and drugs"
15:00 – 15:30	<i>Introduction</i> Dr. Antonio G. García , Universidad Autónoma de Madrid, Spain.

15:30 – 16:00	<i>Non conventional targets for the treatment of Alzheimer's Disease</i> Dr. Manuela G. López , Universidad Autónoma de Madrid, Spain.
16:00 – 16:30	<i>Alterations in neurotransmission related to the progression of Alzheimer's Disease</i> Dr. Luis Gandía , Universidad Autónoma de Madrid, Spain.
16:30 - 16:50	<i>Non conventional targets for the treatment of Alzheimer's Disease.</i> Dr. Rafael León , Universidad Autónoma de Madrid, Spain
16:50 – 17:10	<i>Synthesis and pharmacological evaluation of new compounds directed to pp2a, a promising therapeutic target for alzheimer's disease</i> Dr. R. López- Arribas , Universidad Autónoma de Madrid, Spain.
17:00 -17:30	Coffee break Jardines Facultad de Cs. Químicas
Simposio 6	"Medicinal Chemistry: Rational Design and Structure Activity Relationship, a Synthetic Approach of new Biologically Active Substances "
17:30-18:00	<i>Synthesis of new indol derivatives and their activity on cholinergic and erotonergic systems and in beta-amyloid deposition. A multifunctional approach to Alzheimer's disease</i> Dr. P. Pessoa-Mahana , U. de Chile, Chile.
18:00-18:30	<i>Design of new benzimidazoles with beta-3 adrenergic affinity</i> Dr. J. Mella , U. de Valparaíso, Chile.
18:30-19:00	<i>Neonicotinoids, searching for nicotinic receptor ligands of alpha4beta2 nAChR subtype and its application as new anti-addictive substances.</i> Dr. P. Iturriaga-Vasquez , U. de la Frontera, Chile.
POSTERS 19:00-20:30	POSTER SESSION 2 (63-123): JARDINES DE Facultad de Cs. Químicas

JUEVES 07 DE NOVIEMBRE	
Simposio 7	"Antimicrobial activity of herbal extracts against clinically relevant pathogens"
09:00-09:30	<i>Natural extracts and their role in the search for new therapeutic alternatives to treat infections</i> Dr. A. Molina-Berrios , U. de Chile, Chile.
09:30-10:00	<i>Revealing antimicrobial activity of natural products using chemical subtraction as new strategy to prepare knock-out and knock-in extracts</i> Dr. E. Pastene-Navarrete , U. del Bio-Bio, Chile
10:00-10:30	<i>Effect of Lavandula dentata essential oil against biofilms formation of resistant Candida albicans</i> Dr. A. Müller-Sepúlveda , U. de O'Higgins, Chile
10:30-11:00	<i>Parasites and plants: elucidating the antiparasitic activity of Cichorium intybus (chicory)</i> Dr. M. Peña-Espinoza , U. Austral de Chile, Chile.
11:00 – 11:30	Coffee break Jardines Facultad de Cs. Químicas
11:30 – 12:30	Conference Genetic, protein and pharmacological modulation of human $\alpha 7$ nicotinic receptors Dra. Cecilia Bouzat, PhD INSTITUTO DE INVESTIGACIONES BIOQUÍMICAS DE BAHIA BLANCA, Argentina
12:30 – 13:30	Oral communications <ol style="list-style-type: none"> Anti-steroidogenic effect of the RFRP-3 neuropeptide and its participation in the follicular dynamics in the rat. Valentina Squicciarini Rueda. The n-acetylcysteine-induced reduction of chronic alcohol consumption is associated to the activation of the nrf2/are pathway in hig-alcohol-drinking uchb rats. Raúl Alvarado Rosas. D-lactate induces neutrophil extracellular traps (NET) release by disturbing cellular metabolism. Rafael Burgos Aguilera. Changes produced by prebiotic fibers in the survival of Lactobacillus casei, subsp casei during the shelf life of a nutraceutical dairy drink. Raquel Gómez Pliego. Synthesis, characterization, theoretical study and in vitro evaluation of beta-lactamic compounds and imines with potential antibacterial activity. Jessica Morán Díaz.
13:30 – 15:00	Almuerzo libre

	<p>TARDE LIBRE</p>
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VIERNES 08 DE NOVIEMBRE	
Simposio 8	“Biotechnology Aspects of Asparaginase clinical and industrial development”
09:00-09:30	<i>Production of extracellular L-asparaginase: from bioprospecting to the engineering of an antileukemic biopharmaceutical</i> Dr. J. Farias , U. de la Frontera, Chile
09:30-10:00	<i>Development of Biotechnological Process for the Production of the Antileukemic Biopharmaceutical L-Asparaginase (ASNase) using Genetically Modified Microorganisms</i> Dr. A. Pessoa , University of São Paulo, Brazil.
10:00-10:30	<i>Asparaginase Engineering in the obtainment of biobetters of this antitumor enzyme</i> Dra. G. Monteiro , University of São Paulo, Brazil.
10:30-11:00	<i>Production of novel glycosylated L-asparaginase as an alternative against acute lymphoblastic leukemia</i> Dr. B. Effer , U. de la Frontera, Chile
11:00 – 11:30	Coffee break Jardines Facultad de Cs. Químicas
11:30 – 12:30	Presidential Lecture Iron and ferroptosis in aging and age-related neurological diseases Dr. Ashley Bush, Australia, The Florey Institute of Neuroscience and Mental Health, The University of Melbourne, AU
12:30 – 13:30	<p>Oral Communications</p> <ol style="list-style-type: none"> 1. Role of mitochondrial metabolism in oxidative response and nets release induced by paf in bovine neutrophils. John Quiroga Ardiles. 2. The consumption of a calafate extract modulates the energy expenditure, function and mitochondrial dynamics of brown adipose tissue of obese mice. Luisa Ramírez Araya. 3. From homo sapiens to homo technologicus, bioethical challenge of transhumanism. Luis Rifo Felio. 4. Synthesis and evaluation of indolyl-benzamido-piperazines as potential multi-target-directed ligands in Alzheimer’s Disease. Julio Rodríguez Lavado. 5. Development of a recombinant vaccine candidate against Hantavirus. Oliberto Sánchez Ramos. 6. Adherence to antihypertensive pharmacological treatment in elderly people from hualpen submitted to a transmedial psychoeducational program. María Jacqueline Sepúlveda Carreño.
13:30 – 15:00	Almuerzo libre
19:00	Traslados Cena de Clausura desde la UDEC
19:30	CENA DE CLAUSURA Camino del Agua Spa