

ORAL COMMUNICATIONS- Monday November 1- 17:30-19:30

Virtual Room Córdoba**LIPIDS**

Chairpersons: Nicolás Favale-Ariel Quiroga

17:30-17:43

LI-C01-05. **SPHINGOMYELIN METABOLISM INVOLVEMENT IN EPITHELIAL-MESENCHYMAL TRANSITION (EMT) PROCESS IN RENAL COLLECTING DUCTS DURING AGING.** Brandán YR¹, Guaytina EV¹, Pescio Lucila G², Favale NO², Santacreu BJ², Sterin-Speziale NB², Márquez MG¹.

17:45-17:58

LI-C02-23. **EFFECT OF PHOSPHATIDYLCHOLINE ON NEURONAL PLASTICITY OF NEURAL STEM CELLS UNDER INFLAMMATORY CONDITIONS.** Magaquian D, Delgado Ocaña S, Banchio C.

18:00-18:13

LI-C03-45. **EX VIVO PROGRESSION OF SPERMATOGENESIS ENTAILS ACCRETION OF LIPIDS WITH LONG AND VERY-LONG-CHAIN POLYENOIC FATTY ACIDS.** Santiago Valtierra FX, Luquez JM, Oresti GM.

18:15-18:28

LI-C04-59. **CYCLOOXYGENASES AND LIPOXYGENASES: KEY PLAYERS IN THE NEURONAL RESPONSE TO MANEB TOXICITY.** Benzi Juncos, ON^{1,2}, Alza, NP^{1,3}, Salvador GA^{1,2}.

18:30-18:43

LI-C05-85. **NUCLEAR CARBOXYLESTERASE IS A LIPASE INVOLVED IN LIPID-DROPLETS HOMEOSTASIS.** Lagrutta LC¹, Trejo SA^{2,3}, Ves-Losada A^{1,4}.

18:45-18:58

LI-C06-175. **SPHINGOSINE-1-PHOSPHATE RECEPTOR 2 (S1PR2) PROMOTES EPITHELIAL MESENCHYMAL TRANSITION IN DIFFERENTIATED MDCK CELLS THROUGH ERK1/2 SIGNALING INVOLVING β -CATENIN AND SNAI2.** Romero DJ, Santacreu BJ, Mosca JM, Favale NO.

19:00-19:13

LI-C07-247. **SUBCELLULAR LOCALIZATION OF FOXO1 CHANGES IN 3T3L1 PREADIPOCYTE CELLS SILENCED FOR 14-3-3 γ PROTEIN.** Müller S¹, Del Veliz S¹, Rivera L¹, Uhart M¹, Bustos DM^{1,2}.

19:15-19:28

LI-C08-248. **14-3-3 GAMMA OR BETA KNOCKDOWN AFFECTS 3T3-L1 ADIPOGENIC DIFFERENTIATION THROUGH HIPPO PATHWAY MODULATION.** Del Veliz S¹, Uhart M¹, Bustos DM^{1,2}.

Virtual Room Rosario-1**MICROBIOLOGY I**

Chairpersons: Laura Raiger-Iustman – Jorgelina Morán Barrio

17:30-17:43

MI-C01-230. DECOLORIZATION OF SULPHUR BLACK DYE AND REAL TEXTILE WASTEWATER BY THE ENDOPHYTIC STRAIN *Talaromyces purpureogenus* H4.

Bonilla JO, Lencina NM, Barbero B, Kurina-Sanz M, Magallanes-Noguera C.

17:45-17:58

MI-C02-235. AZODYES DECOLOURIZATION BY THE HALOTOLERANT YEAST *Leucosporidium muscorum* F20A UNDER SUBMERGED FERMENTATION.

Ruscasso F, Scaramutti M, Rios P, Cavello I

18:00-18:13

MI-C03-306. INDUCED PRODUCTION OF AMYLOLYTIC CAZYMES OF A NATIVE *Aspergillus niger* STRAIN USING WHEAT BRAN AND MICROALGAL BIOMASS AS A HYDROLYZABLE SUBSTRATE.

Bader AN, Sánchez Rizza L, Consolo VF, Curatti L

18:15-18:28

MI-C04-74. NOVEL FERMENTED BEVERAGE USING SELENIZED LACTIC ACID BACTERIA.

Martínez FG, Madrid Y, Ordoñez OF, Pescuma M, Mozzi F

18:30-18:43

MI-C05-231. A GLYCOENGINEERING PLATFORM FOR DESIGN AND HIGH YIELD PRODUCTION OF RECOMBINANT NEUTRAL CYCLIC BETA GLUCANS.

Guidolin LS, Caillava AJ, Couto A, Casabuono A, Comerci DJ, Ciocchini AE

18:45-18:58

MI-C06-238. OPTIMIZING THE MICROENCAPSULATION OF *Lactobacillus salivarius* LET201 WITH SOYBEAN PROTEIN ISOLATE AND SODIUM ALGINATE.

Babot JD, Argañaraz Martínez E, Grande SMM, Apella MC, Perez Chaia A

19:00-19:13

MI-C07-258. APPLICATION OF *Vishniacozyma victoriae* AND CALCIUM CHLORIDE FOR THE CONTROL OF POSTHARVEST DISEASES OF PEAR FRUIT UNDER SEMI-COMMERCIAL CONDITIONS.

Gorordo E, Lucca ME, Sangorrín MP

ORAL COMMUNICATIONS-Tuesday November 2- 17:30-19:30**Virtual Room Leloir****SIGNAL TRANSDUCTION, NEUROSCIENCES, ENZYMOLOGY**

Chairpersons: Vanesa Gottifredi- Eduardo Ceccarelli

17:30-17:43

ST-C01-88. CROSSTALK BETWEEN cAMP-PKA AND HOG-MAPK PATHWAYS IN THE REGULATION OF THE OSMOTIC STRESS RESPONSE IN *S. CEREVISIAE*. Ojeda, Lucas E;

Gulias, Facundo; Ortola, María C; Galello, Fiorella A; Rossi, Silvia G; Bermudez Moretti, Mariana; Portela, Paula.

17:45-17:58.

ST-C02-251. **ORGANELLE-DERIVED SIGNALS CONTROL ALTERNATIVE SPLICING IN ARABIDOPSIS THALIANA VIA TOR KINASE.** *Servi, L¹; Riegler, S²; Scarpin, MR³; Godoy Herz, MA¹; Kubaczka, MG¹; Venhuizen, P²; Meyer, C⁴; Brunkard, JO³; Kalyna, M²; Barta, A⁵; and Petrillo, E¹.*

18:00-18:13.

EN-C01-187. **IDENTIFICATION AND CHARACTERIZATION OF TeGA, A NOVEL THERMOACTIVE AND THERMOSTABLE GLUCOAMYLASE FROM *Thermoanaerobacter ethanolicus*.** *Natael M. Wayllace, Nicolas Hedín, María V. Busi* and Diego F. Gomez-Casati**

18:15-18:28

NS-C01.39 **NSC-EXTRACELLULAR VESICLES FAVORS NEURONAL DIFFERENTIATION UNDER STRESS CONDITIONS.** *Delgado S, Magaquian D and Banchio C*

Virtual Room Córdoba

PLANTS AND GLYCOBIOLOGY

Chairpersons: José Estevez-Elina Welchen

17:30-17:43

PL-C01-216. **CBM20CP, A NOVEL FUNCTIONAL PROTEIN OF STARCH METABOLISM IN GREEN ALGAE.** *Velazquez MB, Hedin N, Barchiesi J, Gomez-Casati DF, Busi MV*

17:45-17:58

PL-C02-221. **LINK BETWEEN DNA MISMATCH REPAIR SYSTEM AND IMMUNE RESPONSE IN ARABIDOPSIS THALIANA.** *Ramos RS, Spampinato CP.*

18:00-18:13

PL-C03-285. **THE CHROMATIN REMODELER MOM1 AND THE IMMUNOLOGICAL MEMORY IN PLANTS** *Miranda de la Torre JO, Peppino Margutti M, Lescano I, Alvarez ME, Cecchini NM*

18:15-18:28

PL-C04-264. **POLYAMINES AND SODIUM NITROPRUSSIDE EXHIBITED DIFFERENT BEHAVIOUR AS PROTECTORS UNDER DARK OR Cd-INDUCED SENESCENCE.** *Cabrera AV; Recalde L, Blager L, Groppa MD, Benavides MP.*

18:30-18:43

GB-C01-94. **DETERMINATION OF MUC5B SULFATED GLYCANS IN SJÖGREN'S SYNDROME PATIENTS.** *Landoni M¹, Vazquez TJ¹, Castro P², González MJ², Couto AS¹*

18:45-18:58

GB-C02-93. **GLYCOENGINEERING BY HYPERGLYCOSYLATION: AN INNOVATIVE STRATEGY TO BLOCK THE UNDESIRE EFFECTS OF HUMAN ERYTHROPOIETIN AS A NEUROTHERAPEUTIC CANDIDATE.** *Bürgi M^{1,3}, Aparicio G², Wandel-Petersen V¹, Depetris M³, Kratje R^{1,3}, Scorticati C², Oggero-Eberhardt M^{1,3}*

19:00-19:13

GB-C03-172. **PHENOTYPE OF AN α -GLUCOSIDASE I-DEFICIENT FISSION YEAST STRAIN BY COMPLEMENTATION WITH CATALYTIC AND CDG IIb**

PATIENTS GLUCOSIDASE MUTANTS. *Idrovo-Hidalgo T, Aramburu S, Gallo GL, D'Alessio C.*

19:15-19:28

GB-C04-302. GLUCOSAMINE-1P AS A SUBSTRATE IN ADP-GLUCOSE PYROPHOSPHORYLASES FROM GRAM-POSITIVE BACTERIA. *Iglesias MJ, Iglesias AA, Asencion Diez MD***Virtual Room Rosario-2****MICROBIOLOGY II**Chairpersons: *Rosana de Castro – Mariana Grillo Puertas*

17:30-17:43

MI-C08-6. DEGRADATION OF THE MYCOTOXIN FUSARIC ACID IN *Burkholderia ambifaria* T16: GENES AND METABOLIC PATHWAYS INVOLVED.*Vinacour M, Forne I, Jung K, Imhof A, Ruiz J*

17:45-17:58

MI-C09-305. MODIFICATIONS OF *Burkholderia contaminans* LIPOPOLYSACCHARIDE IN ISOLATES RECOVERED DURING CHRONIC LUNG INFECTION OF PATIENTS WITH CYSTIC FIBROSIS.*Casco D, Prieto C, Valdez H, León B, Lamberti Y, Bettiol M, Vita C, Figoli C, Rodriguez ME, Yantorno O, Bosch A*

18:00-18:13

MI-C10-29. AN INTEGRATED SYSTEM APPROACH REVEALED A PLEIOTROPIC CONTROL MEDIATED BY THE KEY CARBON GLOBAL REGULATOR PhaR IN *Bradyrhizobium diazoefficiens*.*Egoburo D, Cabrera JJ, Díaz Peña R, Tortosa G, Delgado MJ, Mongiardini E, Müller-Santos M, Pettinari J, Mesa S, Quelas JI*

18:15-18:28

MI-C11-128. CypB, A *Brucella abortus* TYPE IV EFFECTOR PROTEIN, INTERACTS WITH N-WASP, A CRITICAL REGULATOR OF ACTIN CYTOSKELETAL DYNAMICS.*Pepe MV, Giménez AB, Briones G, Roset MS.*

18:30-18:43

MI-C12-151. THE INFLAMMATORY RESPONSE INDUCED BY *Pseudomonas aeruginosa* IN MACROPHAGES ENHANCES APOPTOTIC CELL REMOVAL.*Arias P, Jäger AV, Tribulatti MV, Brocco MA, Pepe MV, Kierbel A*

18:45-18:58

MI-C13-156. DYNAMICS OF *Pseudomonas aeruginosa* AGGREGATE FORMATION ON APOPTOTIC CELLS.*Dea C, Pepe V, Peruani F, Kierbel A*

19:00-19:13

MI-C14-164. ADHESIVE FUNCTIONS OR PSEUDOGENIZATION OF MONOMERIC AUTOTRANSPORTERS IN *Brucella* SPECIES.*Bialer MG, Ferrero MC, Delpino MV, Ruiz-Ranwez V, Posadas DM, Baldi PC, Zorreguieta A*

19:15-19:28

MI-C15-25. BIOFILM ON STEEL OR PLANKTONIC CELLS? WHAT DRIVES EITHER GROWTH FORM.

Robledo A, Escalada L, Busalmen JP, Simison S, Massazza D

ORAL COMMUNICATIONS -Thursday November 4- 15:15-17:15**Virtual Room Leloir****CELL BIOLOGY**

Chairpersons: Javier Valdez Taubas- Pablo Aguilar

15:15-15:28

CB-C01-219. THE NEW ROLE OF AP-2 ADAPTOR PROTEIN IN *GIARDIA LAMBLIA* ENCYSTATION. *Feliziani C; Rivero MR; Quassollo G, Rópolo AS; Touz, MC.*

15:30-15:43

CB-C02-36.THE ROLE OF CHEMOKINES WITH SKIN AND NASAL MUCOSAL TROPISM IN THE OUTCOME OF AMERICAN TEGUMENTARY LEISHMANIASIS (ATL). *Pimentel J, García Bustos MF, Marco JD, Barroso P, Ragone P, Mesías A, Pérez Brandán C, Acuña L, Parodi C*

15:43-15:58

CB-C03-250.THE INTERPLAY BETWEEN LRRK2, RQC AND STRESS REVEALS NEW INSIGHTS IN LRRK2'S FUNCTIONS. *La Spina PE, Fernández-Alvarez AJ, Perez-Pepe M, Larotonda L, Boccaccio GL.*

16:00-16:13

CB-C04-106.CONSERVATION OF ZEBRAFISH miRNA-145 AND ITS ROLE DURING NEURAL CREST DEVELOPMENT. *Steeman T.J., Calcaterra N.B., Weiner A.M.J.*

16:15-16:28

CB-C05-226.THE HIV-1 ACCESSORY PROTEIN Vpu RETAINS HOST SLC1A5 (ASCT2) AMINO ACID TRANSPORTER IN THE ER AND PROMOTES ITS CLEAVAGE AND DEGRADATION VIA PROTEASOME. *Morellatto Ruggieri L, Drake Figueredo A, Magadán JG*

16:30-16:43

CB-C06-222.TRAFFICKING OF IAV M1 PROTEIN AT LATE STAGES OF INFECTIOUS CYCLE IS INDEPENDENT OF OTHER VIRAL PROTEINS AND INDIRECTLY DEPENDS ON GOLGI COMPARTMENT .*Drake Figueredo A, Morellatto Ruggieri L, Magadán JG.*

16:45-16:58

CB-C07-42. IDENTIFICATION AND ANALYSIS OF NOVEL CELLULAR KEY FACTORS IN HPV INFECTION USING PSEDOVIRAL PARTICLES. *Bugnon Valdano M¹; Dizanzo MP¹; Leiva S¹; Banks L²; Gardiol D¹*

17:00-17:13

CB-C08-32. ALTERATIONS ON PDZ POLARITY PROTEIN EXPRESSION DURING HPV ONCOGENESIS. *Dizanzo MP¹, Bugnon Valdano M¹, Marziali F¹, Leiva S¹, Cavatorta AL¹, Banks L², Gardiol D¹.*

Virtual Room Córdoba

BIOTECHNOLOGY

Chairpersons: Eleonora Campos- Claudia Studert

15:15-15:28

BT-C01-65. DEVELOPMENT OF A NOVEL MULTI-EPITOPE ANTIGEN EFFECTIVE TO CONTROL TRYPANOSOMA CRUZI INFECTION

María Elisa Vázquez¹, Brenda Zabala¹, Andrea C. Mesías¹, Cecilia Parodi¹, Cecilia Pérez Brandán¹, Leonardo Acuña¹

15:30-15:43

BT-C02-122. DEVELOPMENT OF COVID-19 MONOCLONAL ANTIBODIES AND RECOMBINANT PROTEINS AS REAGENTS FOR BIOMEDICAL RESEARCH AND DIAGNOSTIC TESTS.

Acuña Intriari ME¹, Deriane MA¹, Miller C¹, Czibener C², Correa E³, Cagnaz L³, Guerra L³, Rodríguez S³, Goldbaum FA¹, Seigelchifer M³, Comerci DJ², Montagna G², Cerutti ML¹

15:45-15:58

BT-C03-135. GROWTH OF ELECTRO-ACTIVE BACTERIA WITH BIOCHAR AS CHEMICAL ELECTRON ACCEPTOR AND ELECTRODE MATERIAL.

Antic Gorrazzi S; Massazza D; Pedetta A; Busalmen JP; Bonanni PS¹.

16:00-16:13

BT-C04-246. BIOTECHNOLOGICAL STRATEGIES TOWARD AN AROMA KETONE.

Ceccoli RD¹, Bianchi DA², Rial DV¹.

16:15-16:28

BT-C05-257. PLOMBOX: A DEVICE FOR OPEN-SOURCE METROLOGY TO FIGHT LEAD CONTAMINATION IN DRINKING WATER.

*Gándola Y^{*1,2}, Alvarez M^{*1}, Gasulla J^{1,3}, Nadra AD¹, for the TRACE collaboration of PlomBOX project (plombox.org)*

Virtual Room Rosario-4**MICROBIOLOGY III**

Chairpersons: Claudio Valverde – Augusto Bellomio.

15:15-15:28

MI-C16-10. POSSIBLE ELECTRON UPTAKE MECHANISMS OF ELECTROAUTOTROPHIC NITRATE REDUCING BACTERIA.

Rodríguez Simón CN, Busalmen JP, Bonanni PS, Villareal FD

15:30-15:43

MI-C17-102. STRUCTURE BASED IDENTIFICATION OF INHIBITORS OF FASR, A KEY TRANSCRIPTIONAL REGULATOR OF CELL WALL SYNTHESIS IN *Mycobacterium tuberculosis*.

Colaccini E, Quiroga R, Villarreal MA, Gramajo H, Gago G

15:45-15:58

MI-C18-148. METAL ION-INTERACTION IN SYNTHETIC BROAD-SPECTRUM SENSORS DERIVED FROM THE Cu-RESPONSIVE CueR REGULATOR.

Lescano J, Mendoza J, Soncini FC, Checa SK

16:00-16:13

MI-C19-186. TAILORING A CRISPR/Cas9 CYTIDINE BASE-EDITOR ENABLES FAST AND RELIABLE CONSTRUCTION OF COMPLEX PHENOTYPES IN *Pseudomonas* SPECIES.

Martino RA, Volke DC, Kozaeva E, Smania AM, Nikel PI

16:15-16:28

MI-C20-242. *Bordetella bronchiseptica* DIGUANYLATE CYCLASE BdcB INHIBITS TYPE THREE SECRETION SYSTEM AND IMPACTS ON IMMUNE RESPONSE.

Belhart K, Gestal MC, Sisti F, Fernández J

16:30-16:43

MI-C21-260. RESPIRATORY BURST INDUCES TOLERANCE TO FLUOROQUINOLONES IN *Streptococcus pneumoniae*.

Hernández-Morfa M, Reinoso-Vizcaíno N, Olivero N, Cortes P, Zappia V, Echenique J

16:45-16:58

MI-C22-308. UTILIZATION OF *Lactobacillus plantarum* AND *Oenococcus oeni* STRAINS TO APPLY IN FRUITS AND GRAPE JUICE: PRESERVATIVE AND HEALTH BENEFICIAL POTENTIAL.

Del Valle Rivero L, Morales MR, Rodríguez Vaquero MJ, Saguir FM

17:00-17:13

MI-C023-309. UTILIZATION OF AUTOCHTHONOUS STRAINS FROM WINERY WASTE AND GRAPE MUST AS STARTER CULTURES FOR WINEMAKING IN NORTHERN ARGENTINA.

Morales MR, Rivero L, Saguir F