25th International Symposium on Molecular Medicine

26-28 March 2020
Park Plaza Hotel
Santiago, Chile

Program
GENERAL INFORMATION

SYMPOSIUM VENUE
Park Plaza Hotel, Santiago, Chile

REGISTRATION DESK:
Thursday 26 March 08.00 - 13.00 and 15.00 - 17.00 hrs
Friday 27 March 08.00 - 13.00 and 15.00 - 17.00 hrs
Saturday 28 March 08.00 - 13.00 and 15.00 - 17.00 hrs

REGISTRATION FEE
Active participant Euro 200
Accompanying person Euro 150

The registration fee includes:
• Coffee/Tea
• Welcome Dinner
• Chilean Dinner
• Gala Dinner

SOCIAL PROGRAM

WELCOME DINNER
Thursday 26 March, 2020 at 18:00 hours

CHILEAN DINNER
Friday 27 March, 2020 at 18:00 hours

GALA DINNER
Saturday 28 March, 2020 at 18:00 hours
Scientific Program

BIOCHEMISTRY/MOLECULAR ONCOLOGY

Chair Persons: J.S. Deshane, G.M. Calaf, M. Moreno

108. Engineered three-dimensional lung tumor mimics maintain tissue heterogeneity and tumor-stromal interactions. K. Goliwas, K.P. Hough, V.J. Thannickal, J. Donahue, J.S. Deshane (Birmingham, AL, USA) (30’)

135. Signs of carcinogenicity induced by ionizing radiation and estrogen in an experimental breast cancer model. G.M. Calaf (Arica, Chile; New York, NY, USA) (30’)


134. Alternatively spliced variants of androgen receptor in granulosa cells: An epigenetic cause of ovarian hyperandrogenism of polycystic ovary syndrome. F. Wang (Hangzhou, P.R. China) (15’)

131. The physiological role of selenoprotein F in glucose and lipid metabolism and the underlying mechanisms. K. Huang (P.R. China) (15’)

COFFEE/TEA BREAK

11:00-11:30

MOLECULAR ONCOLOGY/PHARMACOLOGY

Chair Persons: M. Libra, P. Bouvet

106. Lactobacillus rhamnosus GG for preventing toxicities related to anticancer treatments: The design of a clinical trial. R. Salemi, M. Santagati, A. Garozzo, S. Vivarelli, L. Falzone, S. Candido, M. Libra (Catania, Italy) (30’)

122. Functions of a major nucleolar protein, Nucleolin, in oncogenesis. P. Bouvet, F. Nguyen Van Long, J.-J. Diaz, V. Marcel (Lyon, France) (30’)

113. Apigenin and Apigetrin work synergistically to down-regulation of MMP-9 and PD-L1 expression in cancer cells. L. Qiu, R. Goding, W. Zhu (Old Westbury, NY, USA) (15’)

142. Circulating tumor cells in disease follow-up of patients with diverse solid tumors. L. Chinen (Brasil) (15’)

11:30-13:00

Thursday, March 26
ONCOLOGY/GENETICS

15:00-17:00
Thursday, March 26

Chair Persons: D.E. Gomez, A. Siddiqui, B.Y. Wang

104. PIN1 validation as a molecular target and rational design of compounds with pharmacological activity in glioblastoma. D.L. Mengual Gómez, J. Maggio, G.A. Cardama, P. Lorenzanno Menna, D.E. Gomez (Buenos Aires, Argentina) (30’)

111. Epitranscriptomic N6 methyladenosine modification of tumor suppressor PTEN RNA by hepatitis B virus with role in development of hepatocellular carcinoma. G.-W. Kim, M. Khan, H. Imam, S.A. Mir, A. Siddiqui (San Diego, CA, USA) (30’)

109. Aggressive thyroid carcinoma mimicking a benign histiocytic proliferation - Utility of tumor markers to approach diagnosis. B.Y. Wang (Irvine, CA, USA) (30’)

153. Inhibition of tumor growth, steroidogenesis and resistance to hormonal and chemotherapeutic treatment by a new inhibitor of Acyl-CoA synthetase 4 in breast and prostate cancer cells. A.F. Castillo (Argentina) (15’)


WELCOME DINNER

18:00-22:00
Thursday, March 28
154. Nuclear theranostics: A new paradigm in oncology. **P. Flamen** (Belgium) (30’)


119. Mutational profiles of breast implant-associated anaplastic large cell lymphoma. **P. Brousset**, C. Laurent, L. Xerri, P. Gaulard (Toulouse; Marseille; Créteil, France) (30’)

124. Pharmacogenomics in African: Towards precision medicine. **C. Dandara** (South Africa) (30’)

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**COFFEE/TEA BREAK**

11:00-11:30

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128. Human TRAIL-producing Lactococcus lactis bacteria for potential immunotherapy of colon cancer. **J. Baran** (Cracow, Poland) (30’)


163. *In silico* analysis of Human Proteinase 3, an important autoantigen of c-ANCA associated vasculitis, and its cross-reactivity with serine protease allergens from mites. **M. Múnera** (Cartagena; Medellín, Colombia) (20’)

123. Multi-modality imaging of glioma using FET-PET and DWI: Correlation with molecular genotypes: A screening study validated by hybrid PET/MR guided biopsies. **G. Xu** (P.R. China) (10’)
MOLECULAR PATHOGENESIS/TOXICOLOGY/ONCOLOGY

Chair Persons: R.J. Reiter, X. Meng, U. Nir

103. Melatonin in mitochondria: Mitigating clear and present dangers. R.J. Reiter (San Antonio, TX, USA) (30')

110. The role of innate immunity in the molecular mechanism of calcific valvular heart disease. X. Meng, L. Ao, D.A. Fullerton (Aurora, CO, USA) (30')

129. Targeting the reprogrammed energy generation system of malignant cells. U. Nir (Ramat-Gan, Israel) (30')


CHILEAN DINNER

18:00-22:00
MOLECULAR/CLINICAL ONCOLOGY

9:00-11:00
Saturday, March 28

Chair Persons: C. Romero, M. Garrido, F. Aguayo

130. Follicle Stimulating Hormone increases the levels of angiogenesis factors in epithelial ovarian cancer. M.P. Garrido, N. Bruneau, M. Vega, A. Selman, C. Romero (Santiago, Chile) (20')


136. Tobacco smoke promotes HPV16 E6/E7 overexpression which are involved in PIR/NF-κB activation in epithelial cancer cells. F. Aguayo, J.P. Muñoz, D. Carrillo, F. Perez, C. Oliva, R. Blanco (Santiago; Arica, Chile) (20')

139. Immunological and clinical aspects of vaccines against melanoma and gallbladder cancer. F. Salazar (Chile) (15')


141. Impact of the hormone microenvironment on human endometrial function. L. Oróstica, F. Plaza-Parrochia, H. Cabrera-Cruz, V. García, R. Carvajal, C. Romero, M. Vega (Santiago, Chile; Tegucigalpa, Honduras) (15')

137. Transcriptional factors that regulate resistance to treatments in prostate cancer. H. Contreras (Santiago, Chile) (15')

COFFEE/TEA BREAK

11:00-11:30

ONCOLOGY/MOLECULAR MEDICINE

11:30-13:00
Saturday, March 28

Chair Persons: J.A. Jara, F. López-Moncada, R.A. Valenzuela

126. Mitochondrial energy stress as a strategy of antitumor effects on lung cancer. J.A. Jara, D.A. Vidal, M. Catalán, J.F. Ferreira (Santiago, Chile) (20')

143. SPARC induces epithelial-mesenchymal transition in PCa cells. F. López-Moncada, M.J. Torres, S. Indo, B. Lavanderos, O. Cerda, E.A. Castellón, H.R. Contreras (Santiago, Chile) (20')

162. Evaluation of potential biomarkers of disease activity in non-infectious uveitis. R.A. Valenzuela, I. Flores, L. Cuitiño, C.A. Urzua (Santiago, Chile) (20')

144. Helicobacter pylori outer membrane vesicles induce astrocyte reactivity which prevents neurite. M. Valenzuela (Santiago, Chile) (15')

VIRUSES/GENETICS/INFLAMMATION

Chair Persons: H. Perron, J. Zamecnik, M. Catalán

150. Human endogenous retrovirus (herv) type w protein molecular study in brain lesions from patients with multiple sclerosis: New perspectives in therapeutic strategies targeting herv envelopes in associated diseases. **H. Perron** (Lyon, France; Geneva, Switzerland) (20’)


107. Role of macrophage in mediating toll-like receptors activated psoriatic inflammation. **T.-H. Chuang** (Zhunan, Taiwan, R.O.C.) (15’)

148. Chinese herbal medicine alleviating hyperandrogenism of PCOS rats through regulating PPARG1 and HDAC3 expression in the ovaries. **F. Qu** (Hangzhou, P.R. China) (15’)

155. AI aided point of care rapid multiple antigen/antibody detection on a drop of bodily fluid with technique of micro-lens imaging. **Y.-X. Huang** (Guangzhou, P.R. China) (15’)

133. Antibacterial genes from soils with a potential health problems. **S. Yin** (P.R. China) (15’)

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GALA DINNER

18:00-22:00
POSTER PRESENTATIONS

105. Erythropoietin and Bruton's tyrosine kinase inhibitor as a new therapeutic option for breast cancer. J.M. Hermanowicz, A. Taniewicz-Kwedlo, M. Laszkiewicz, I. Kwiatkowska, D. Pawlak (Bialystok, Poland)


114. p-Coumaric acid: A novel candidate for aflatoxin B1 detoxification. X. Zhang, W. Zhu (Old Westbury, NY, USA)

115. Ion chelator 8-hydroxyquinoline and derivatives protect against rotenone-induced oxidative damage and neuronal death. C. Wang, W. Zhu (Old Westbury, NY, USA)


117. Quercetin ameliorates cytotoxicity caused by neuraminidase and hemagglutinin from clostridium perfringens. G. Park, Z. Zhou, W. Zhu (Old Westbury, NY, USA)


120. PDL1 expression in early triple negative breast cancer as a prognostic factor. Results from a cohort of patients in Argentina. M.T. Pombo, M.M. García Falcone, E.P. Juliá, P. Mandó, F. Capuccio, F. Coló, E.M. Levy (Buenos Aires, Argentina)

121. Fatty acid synthase inhibition enhances apoptosis in pancreatic cancer. T. Van der Steen, K. Regan, D. Billadeau, G. Kembel, R. Lupu (Rochester, MN; San Mateo, CA, USA)

122. Inhibition of fatty acid synthase induces apoptosis and senescence in breast cancer. T. Van der Steen, K. Regan, G. Kembel, R. Lupu (Rochester, MN; San Mateo, CA, USA)

123. Chitinases as pan allergens; An in silico approach to their structural and immunological basis. M. Múnera, N. Contreras, A. Sanchez, J. Sanchez, Y. Emiliani (Cartagena; Medellín, Colombia)

124. In silico analysis of cross reactivity between Hymenoptera phospholipases. Y. Emiliani, J. Sánchez, A. Sánchez, M. Múnera (Cartagena; Medellín, Colombia)