21st International Symposium on Molecular Medicine

Program
Scientific Program

GENERAL INFORMATION

SYMPOSIUM VENUE
Tawana Hotel, Bangkok, Thailand

REGISTRATION DESK:
Thursday 12 April 08.00 - 13.00 and 15.00 - 17.00 hrs
Friday 13 April 08.00 - 13.00 and 15.00 - 17.00 hrs
Saturday 14 April 08.00 - 13.00 and 15.00 - 17.00 hrs

REGISTRATION FEE
Active participant Euro 100
Accompanying person Euro 50

The registration fee includes:

*Active participant:*
- Admittance to scientific sessions
- Welcome Cocktail
Scientific Program

METASTASIS/MOLECULAR ONCOLOGY

Chair Persons: W.G. Jiang, M. Pesta

101. Brain metastasis, the role of cerebral endothelial cells and its intercellular junctions. **W.G. Jiang**, J. Wang, T.A. Martin (Cardiff, UK; Beijing, P.R. China) (30')

156. Predictive relevance of microRNA in patients with NSCLC undergoing palliative chemotherapy and ceRNA hypothesis. **M. Pesta**, R. Kucera, V. Kulda, O. Topolcan (Pilsen, Czech Republic) (30')


112. TRPM7 deficiency suppresses cell proliferation and metastasis in human colorectal carcinoma via regulating epithelial-mesenchymal transition. **X. Wang**, W. Chen, F. Zhou, F. Su, W. Xie, M. Feng (Wuhan; Lanzhou, P.R. China) (15')

134. Pituitary sex hormones enhance the pro-metastatic potential of human lung cancer cells. **M. Kucia**, A. Abdelbaset-Ismail, D. Pedziwiatr, M. Moniuszko, M. Cymer, M. Ratajczak (Warsaw, Poland; Louisville, KY, USA) (15')

COFFEE/TEA BREAK

11:00-11:30

GENETICS/INFLAMMATION

Chair Persons: G. Luo, K. Umezawa, B. Kusumawardani

144. Characteristics of Lewis negative pancreatic cancer. **G. Luo**, C. Liu, X. Yu (Shanghai, P.R. China) (30')

136. Amelioration of metabolic syndrome and neurodegenerative disease models by plant-derived alkaloid conophylline. **K. Umezawa** (Nagakute, Japan) (15')

122. Inhibition of titanium dioxide nanoparticle-induced inflammatory reaction by NF-κB inhibitor DHMEQ in human macrophage-like cells. **H. Fukatsu**, T. Ukaji, S. Tada-Oikawa, K. Izuoka, Y. Naiki, T. Komatsu, N. Koide, A. Ikegami, S. Ichihara, K. Umezawa (Nagakute; Nagoya; Tsu; Tochigi, Japan) (15')

124. Anti-inflammatory flavonoid of Kasturi tobacco leaves as regenerative therapeutic agents for repopulation of human gingival fibroblast in wound healing model. **B. Kusumawardani**, D.W.A. Fatmawati, E. Puspitasari (Jember, Indonesia) (15')

135. Proteomic profiling of zinc-induced skin cell proliferation: Activation of β-catenin pathway. **W. Wang**, S. Zhang (Suzhou, P.R. China) (15')
121. Downregulation of negative regulator in inflammatory signaling pathways promotes stemness and tumor growth. **T.-H. Chuang** (Miaoli, Taiwan, R.O.C.) (20’)


107. Comprehensive analysis the early therapeutic targets of breast cancer. **N. Yuan**, X. Hao, G. Zhang, M. Ma (Guangzhou, P.R. China) (20’)

163. Innovative immunotherapies to treat gynecologic cancers. **C.-F. Hung** (Baltimore, MD, USA) (20’)


129. Investigation of chromosomal abnormalities on renal cell cancer cells: By using FISH technique. **T. Cora**, **M. Kilinc**, H. Acar, A. Kalayci (Konya; Uşak, Turkey) (20’)

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**WELCOME COCKTAIL/RECEPTION CRYSTAL BALLROOM**

18:00-22:00
Thursday, April 12
HEMATOLOGY/ONCOLOGY

09:00-11:00
Friday, April 13

Chair Persons: G.M. Bhat, B.C. Valdez


145. Mechanism-based optimization of conditioning regimen for stem cell transplantation in lymphoma. B.C. Valdez, Y. Nieto, B.S. Andersson (Houston, TX, USA) (30’)


164. Increased expression of Oct-4 promotes tamoxifen resistance in breast cancer patients. K. Jamialahmadi, R. Jahangiri, F. Mosaffa (Mashhad, Iran) (20’)

116. Novel view on adult bone marrow stem cell compartment and origin of hematopoietic stem cells. M.Z. Ratajczak, M. Kucia, J. Ratajczak, D. Pedziwiatr, K. Bujko (Warsaw, Poland; Louisville, KY, USA) (10’)

COFFEE/TEA BREAK

11:00-11:30

MOLECULAR PATHOGENESIS

11:30-13:00
Friday, April 13

Chair Persons: M. El-Salhy, M. Blank

108. The pathophysiology of irritable bowel syndrome (IBS) in Asia is different from that in Europe. M. El-Salhy (Bergen, Norway) (30’)

125. Molecular functions of protein ubiquitination in cancer through the prism of E3 ubiquitin ligase SMURF2. M. Blank (Safed, Israel) (30’)

158. Distribution pattern of tumor associated macrophages predicts the prognosis of gastric cancer. J.-Y. Liu, C.-W. Peng, Y. Li (Wuhan; Beijing, P.R. China) (15’)

159. Characteristics of central obesity subjects with atherogenic dyslipidemia in Lampung province, Indonesia. K.N. Berawi, N.I. Lipoeto, I. Wahid, M. Nur (Lampung; West Sumatera, Indonesia) (15’)

POSTER PRESENTATIONS

15:00-17:00
Friday, April 13

Chair Persons: J. Zamecnik, C. Ries, J. He

165. Publishing in Biomedical Sciences. D.A. Spandidos (Athens, Greece) (20')


110. Identification of natural compounds target Annexin A2 with an anti-cancer effect. Y.-S. Wang, Y.-H. Jin (Changchun, P.R. China)


117. MMP-7 serum levels and promoter polymorphism in development and progression of cutaneous melanoma. T. Vlaykova, T. Tacheva, D. Dimov, M. Kurzawski, A. Anastasov, C. Hristozova, T. Dimova, M. Drozdzik (Stara Zagora, Bulgaria; Szczecin, Poland)

118. MMP-12 serum levels and promoter polymorphism in COPD patients. D. Dimov, T. Tacheva, E. Aleksandrova, M. Bialecka, N. O'Donoghue, M. Gulubova, T. Vlaykova (Stara Zagora, Bulgaria; Szczecin, Poland)

120. Bifidobacterium infantis ameliorates chemotherapy-induced intestinal mucositis via regulating T cell immunity in colorectal cancer rats. H. Mi, Y. Dong, H. Fu, Y. Gao (Dalian, P.R. China)


133. Inhibition of STAT3-mediated maintenance of NF-κB activity by inhibiting RelA/p65 acetylation is critically involved in the apoptotic effect of lambertianic acid in MCF-7 breast cancer cells. D.Y. Sim, H.-J. Lee, S.-H. Kim (Seoul, Republic of Korea)


150. Morphine reverses the effects of 1-methyl-4-phenylpyridinium in PC12 cells through activating PI3K/Akt. Y. Fan, Y. Chen, S. Zhang, M. Huang, S. Wang, Y. Li, J. Bai (Kunming, P.R. China)

161. Novel herbal medicine ameliorates cisplatin-induced anorexia. S. Lee, C.-B. Kim, I. Lee, S.-G. Ko (Wonju; Gangneung, Republic of Korea)

162. SH003-induced G1 phase cell cycle arrest induces apoptosis in HeLa cervical cells. C.-B. Kim, S. Lee, I. Lee, S.-G. Ko (Wonju; Gangneung, Republic of Korea)
TRADITIONAL CHINESE MEDICINE/ MICROBIOLOGY

Chair Persons: W.G. Jiang, J.-S. Bian, H. Jiang

102. *YangZheng XiaoJi* and the metastatic traits of cancer, the underlying metabolic and signalling events. **W.G. Jiang**, S. Owen, L. Ye, A.J. Sanders, F. Ruge, T.A. Martin, Y. Gao, H. Wang, C. Wei, Y. Wu, E. Davies (Cardiff, UK; Shijiazhuang; Beijing, P.R. China) (30’)

160. Renal protective effect of hydrogen sulfide and its related signaling molecule in cisplatin-induced nephrotoxicity. X. Cao, X. Nie, **J.-S. Bian** (Singapore; Wuxi, P.R. China) (30’)

128. ASC contributes to metastasis of oral cavity squamous cell carcinoma. **K.-P. Chang**, C.-S. Wu, Y.-S. Chang (Taoyuan, Taiwan, R.O.C.) (20’)


139. Intervertebral disc annulus fibrosis repair, inspiration from our current studies. **R. Kang**, L. Xie, R. Deng, Z. Xi, H. Li, C. Bunger (Nanjing, P.R. China; Aarhus, Denmark) (20’)

COFFEE/TEA BREAK

TOXICOLOGY/MOLECULAR MEDICINE

Chair Persons: A. Tsatsakis, T. Takahashi, H. Wang

104. Risks from real life exposures of the ageing process and its modulation. **A. Tsatsakis** (Heraklion, Greece) (30’)


114. Catechin acts as an anti-hypertension agent in pine needle. **J. He** (Shanghai, P.R. China) (20’
POSTER PRESENTATIONS

Chair Persons: Y.H. Choi, J. Bai, A.W. Piastowska-Ciesielska


138. Mechanical transmission after stabilization by crosslinking promotes damaged annulus fibrosus healing. R. Deng, L. Xie, Z. Li, R. Kang, Z. Xi (Nanjing; Beijing, P.R. China)

140. Dexamethasone and hydrogen peroxide induced muscle atrophy in differentiated C2C12 myotubes. C. Park, S.H. Hong, Y.H. Choi (Busan, Republic of Korea)


142. Sequence analysis and Kiss.1 mRNA expression in adult male desert rodent: The gerbil. R. Boufermes, Z. Amirat, F. Khammar (Annaba; Algiers, Algeria)

143. Study on ancient DNAs from human skeletons. W. Lee, K. Kim, Y. Chung, S. Hahn, K. Kim (Seoul, Republic of Korea)

146. Thioredoxin-1 suppressing MPTP neurotoxicity by restoring autophagy. X. Zhang, S. Zhang, R. Deng, J. Bai (Kunming, P.R. China)

147. Overexpression of thioredoxin-1 blocks morphine induced conditioned place preference through regulating the interaction of y-aminobutyric acid and dopamine systems. X. Li, X. Yang, W. Fan, J. Bai (Kunming, P.R. China)


151. The investigation of the oxidative stress related parameters in type 2 diabetes mellitus. O. Aouacheri, S. Saka (Annaba, Algeria)

152. Down syndrome associated with congenital heart disease in Algerian children. C. Djebaili, B.A. Abdelkader, H. Berredjem (Algiers, Algeria)

153. Genetic polymorphism of glutathione S-transferase M1 and T1 in prostate human cell lines LNCaP and PC3. M. Benabdellkrim, O. Djeffal, H. Berredjem (Annaba, Algeria)

154. Antibacterial and anti-biofilm activities of TiO2 and Fe2O3 nanoparticles against Gram-negative and Gram-positive bacteria. Z. Obeïzi, H. Benbouzid, A.E.G. Djahoudi (Annaba, Algeria)