

Final Program

Global Summit on

Stem Cell & Tissue Engineering

World Conference on

Analytical & Bioanalytical Chemistry

July 23-24, 2018 at Barcelona, Spain



Scientific Federation

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Day 1 July 23, 2018

Amposta

- 08:00-09:00 Registrations
09:00-09:10 Introduction
09:10-10:00 Opening Ceremony

Plenary Sessions

- 10:00-10:50 **Title: Myoblasts provide safe and effective treatments for hereditary muscular dystrophies, cardiomyopathies, Type-II diabetes, solid tumors and aging**
Peter K Law, Cell Therapy Institute, China
- 10:50-11:40 **Title: Dysregulation of ontogenic genome function in schizophrenia revealed by iPSC and cerebral organoids.**
Michal K. Stanchowiak, State University of New York at Buffalo, USA

Networking & Refreshments Break 11:40-12:00 @ Foyer

Keynote Sessions

- 12:00-12:40 **Title: The Effects of Variable Nutraceuticals on Chondrogenesis of Engineered Articular Cartilage: Multiscale study**
Nehal Abu-Lail, Washington University, USA
- 12:40-13:20 **Title: Application of nanotechnology and stem cell technology in the next generation cardiovascular implants**
Hossein Ghanbari, Tehran University of Medical Sciences, Iran

Lunch Break 13:20-14:20

Sessions: Modern techniques of tissue engineering | Nano-biotechnology in regenerative medicine | Therapies involved in Medical Oncology | Oncology Nursing | Stem cell culture and bioprocessing
Session Chair: Lucy Vojtova, Brno University of Technology, Czech Republic

- 14:20-14:45 **Title: Optimizing a methods for complete dissociation of human bone marrow skeletal (mesenchymal) stem cells undergoing osteoblasts and adipocytes differentiation**
Asma Al-Shammary, University of Hail, Saudi Arabia
- 14:45-15:10 **Title: Cancer Stem Cell and its Influence in Carcinogenesis – An Update**
Joana Espiga de Macedo, Centro Hospitalar de Entre o Douro e Vouga, Portugal
- 15:10-15:35 **Title: Biocompatibility and regenerative abilities of resorbable nanostructured bilayer skin replacement evaluated by small and large animal models**
Lucy Vojtova, Brno University of Technology, Czech Republic
- 15:35-16:00 **Title: Collagen Scaffolds Modified with Biologically Active Substances: In-vitro and Ex-ovo Evaluation**
Johana Babrnáková, Brno University of Technology, Czech Republic

Networking & Refreshments Break 16:00-16:15 @ Foyer

- 16:15-16:40 **Title: Collection and Preliminary In vitro Characterization of Secretome from Human Multipotent Fetal Dermal cells**
Cinzia Chinnici, Fondazione Ri.MED, Italy
- 16:40-17:05 **Title: Cerebral organoids reveal developmental malformations in schizophrenia.**
Stachowiak Ewa, State University of New York at Buffalo, USA

Poster Presentations

- SCTE-01 **Title: Restoration of Cognitive Function of Alzheimer Disease Model Mice by Human Neural Stem Cells and Microglial Cells Encoding Functional Genes**
Yun-Bae Kim, Chungbuk National University, South Korea
- SCTE-02 **Title: Use of Confocal Microscope in Remyelination of Peripheral Nerves**
Ilknur Dag, Eskişehir Osmangazi University, Turkey
- SCTE-03 **Title: GQ-11, a new PPAR agonist improves impaired healing pattern in diabetic mice.**
Jacqueline Cavalcante Silva, University of Sao Paulo, Brazil
- SCTE-04 **Title: Collagen Scaffolds Modified with Biologically Active Substances: In-vitro and Ex-ovo Evaluation**
Khaziakhmatova Olga, Immanuel Kant Baltic Federal University, Russia

19:00-20:00 Cocktails

Day 2 July 24, 2018

Amposta

08:00-09:00 Registrations

09:00-09:10 Introduction

09:10-09:30 Opening Ceremony

Plenary Sessions

09:30-10:15 **Title: Liquid Chromatography of Synthetic Polymers**

Dusan Berek, Polymer Institute of the Slovak Academy of Sciences, Slovakia

10:15-11:00 **Title: Recent uses of nuclear magnetic resonance spectroscopy for the understanding of enantiomer separation mechanisms in capillary electrophoresis**

Antonio Salgado Serrano, University of Alcala, Spain

Networking & Refreshments Break 11:00-11:15 @ Foyer

Keynote Sessions

11:15-11:45 **Title: Analytical Methods for the Conversion of Wasted Biomass to Value Added Chemicals**

Kandalam V Ramanujachary, Rowan University, USA

11:45-12:15 **Title: DNA interaction and Anticancer Activity of New Enantiomeric Benzothiazole Derivative Complexes**

Sahar I. Mostafa, Mansoura University, Egypt

Session: Applications of Analytical and Bioanalytical Methods, Analytical and Bioanalytical Methodology, Pharmaceutical Analysis, Environmental Analytical aspects, Electrochemical analysis

Session Chair: Liliana P. Fernandez, National University of San Luis, Argentina

Session Co-chair: Ana Mornar, University of Zagreb, Croatia

Invited Talks

12:15-12:40 **Title: Automated liquid extraction surface analysis coupled with capillary electrophoresis for rapid and sensitive detection of pesticides on a fruit surface**

Doo Soo Chung, Seoul National University, Korea

12:40-13:05 **Title: Monitoring of cardiovascular drug levels by quantitative LC-HRMS analysis of patient collected micro-volume blood samples**

Sangeeta Tanna, De Montfort University, United Kingdom

Lunch Break 13:05-14:00

14:00-14:25 **Title: Counterfeit tablet investigations: are Raman and ATR FT/IR techniques for the real world?**

Graham Lawson, De Montfort University, United Kingdom

14:25-14:50 **Title: Evaluation of Anti-Cancer and Anti-Osteoporosis Activity, DNA-Interaction and Drug Delivery of New Alendronate Complexes**

Sahar I. Mostafa, Mansoura University, Egypt

14:50-15:15 **Title: Bioanalytical methods employing enzymatic modification of nanoparticles**

Valery Pavlov, CIC bioma GUNE, Spain

15:15-15:40 **Title: Catalytic effect of Chromium Oxide Nanoparticles on thermal decomposition kinetics of homogeneous Double-Base Propellant containing diaminoglyoxime**

Seied Mahdi. Pourmortazavi, Malek-e-Ashtar University of Technology, Iran

Featured Talks

15:40-16:00 **Title: Development of highly sensitive immunochromatographic test systems for detection of fluoroquinolones in foodstuffs**

Olga D. Hendrickson, A.N. Bach Institute of Biochemistry, Russia

Networking & Refreshments Break 16:00-16:15 @ Foyer

16:15-16:35 **Title: Retention Mechanisms in Liquid Chromatography of Synthetic Macromolecules**

Dusan Berek, Polymer Institute of the Slovak Academy of Sciences, Slovakia

16:35-16:55 **Title: Photoluminescent green methods applied to tobacco products, biological and environmental samples**

Liliana P. Fernandez, National University of San Luis, Argentina

16:55-17:15 **Title: Immunosuppressive therapy for IBD patients: time for an improved approach**

Ana Mornar, University of Zagreb, Croatia

17:15-17:35 **Title: The criticality of environmental trace metal analysis in the caribbean-challenges for developing countries**

Terry I. Mohammed, The University of the West Indies, Trinidad and Tobago

- 17:35-17:55 **Title: Microextraction into a microfluidic chip: acid drugs analysis**
 Maria Ramos-Payan, University of Sevilla, Spain
- 17:55-18:15 **Title: Design space, design of experiment: improve robustness of assaying four authorized Phosphodiesterase type 5 inhibitors using UPLC method**
 Yassine Hameda Benchekroun, Sidi Mohamed Ben Abdellah University, Morocco

Poster Presentations

- P-001 **Title: Investigation of ionophore antibiotics and their transformation products by using electrochemistry coupled to LC-MS**
 Lisa Kotthoff, Federal Institute for Materials Research and Testing, Germany
- P-002 **Title: Denatured protein based affinity chromatography as a promising technique for fast analysis of chaperone content of cells and tissues**
 Natalia Y. Marchenko, Russian Academy of Sciences, Russia
- P-003 **Title: New potentiometric assay for investigation antiradical capacity**
 Alla Ivanova, Ural Federal University, Russia
- P-004 **Title: Electrografting immobilization of receptor antigen in electrochemical immunosensor for measles virus antibody detection**
 Alisa Kozitsina, Ural Federal University, Russia
- P-005 **Title: The determination of pseudo-peroxidase activity of iron oxide magnetic particles: a basic platforms for peroxidase biosensors**
 Pavla Martinkova, University of Defense, Czech Republic
- P-006 **Title: Indoxyl-acetate as a substrate for determination of lipase activity**
 Tomas Valek, University of Defense, Czech Republic
- P-007 **Title: Study of the parameters that affect to microextraction procedures into a microfluidic device**
 Maria Ramos-Payan, University of Seville, Spain
- P-008 **Title: Honeydew honey: sugar profile as a tool for assesment of authenticity and botanical origin**
 Vesna, University of Belgrade, Republic of Serbia
- P-009 **Title: Fabrication and evaluation of the gas sensor based on polyvinyl alcohol/polyaniline nanocomposite for detection of nitroaromatic vapor**
 Mirsadeghi, Tehran University of Medical Science, Iran
- P-010 **Title: Improvement of catalytic stability in the Process of dry Reforming of Methane by CoAl-HDL and CoFe-HDL: Prioritizing the role of carbon resistance while maintaining elevated catalyst activity**
 HALLICHE Djamila, USTHB University, Algeria

Certificate Felicitation @ Closing Cevremony

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2nd Global Summit on

Stem Cell & Tissue Engineering

June 06-08, 2019 Berlin, Germany

2nd World Conference on

Analytical & Bioanalytical Chemistry

July 11-12, 2019 at Las Vegas, USA