



**Linkin
Science**

Exploring & Connecting Science

Scientific Program
**Virtual Online Conference On Nanotechnology, Nanomedicine
and Smart Materials**

September 24-25, 2020

Linkin Science Pvt. Ltd

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SCIENTIFIC PROGRAM

Day 1 September 24, 2020

11:00-11:15 **Welcome introduction of conference**
Central European Summer Time Zone (CEST)

Keynote Session

11:15-11:50 **Title: Organ on a chip in brain blood barrier**
Monica Mir, Institute for Bioengineering of Catalonia IBEC, Spain

11:50-12:25 **Title: Alzheimer's disease neuropathology is exacerbated following traumatic brain injury. Neuroprotection by co-administration of nanowired mesenchymal stem cells and cerebrolysin**
Hari Shanker Sharma, Uppsala University, Sweden

Oral Presentations

12:25-12:55 **Title: Brain injury exacerbates neuropathology of sleep deprivation. Superior neuroprotection by co-administration of TiO₂-nanowired with alpha-MSH and cerebrolysin**
Aruna Sharma, Uppsala University, Sweden

12:55-13:25 **Title: Probing biocompatibility of theranostic nanoparticles: interaction between phosphocholine-decorated SPIONs and human serum proteins**
Irene Russo Krauss, University of Naples Federico II, Italy

13:25-13:55 **Title: Spatial defects nanoengineering for bipolar conductivity in MoS₂**
Annalisa Calo, Institute for Bioengineering of Catalonia IBEC, Spain

13:55-14:25 **Title: Analysis of the effect of the activation process on the development of the porous structure**
Mirosław Kwiatkowski, AGH University of Science and Technology, Poland

14:25-14:55 **Title: Tuning polyelectrolyte nanoparticles for biomedical applications**
Marjan Motiei, Tomas Bata University in Zlín, Czech Republic

Break Out Session/ Networking Lounge 20 mins

Poster Presentations

15:15-15:30 **Title: Sub-10 nm resolution patterning of pockets for enzyme immobilization via tc-SPL**
Annalisa Calo, Institute for Bioengineering of Catalonia IBEC, Spain

15:30-15:45 **Title: Toxicity behavior of nanomaterials detected by atomic force spectroscopy**
Agnieszka Kolodziejczyk, Bionanopark Ltd, Poland

15:45-16:00 **Title: Limitation of XTT tests for cells exposed to autoclaved silver nanoparticles**
Aleksandra Zimon, Bionanopark Ltd, Poland

Break Out Session/ Networking Lounge 20 mins

16:00-16:15 Title: Biomedical applications of degradable and Non degradable polymers

Idowu David Ibrahim, Tshwane University of Technology, South Africa

16:15-16:30 Title: Flexible Nanocomposite Based Capacitive Sensor for tactile pressure

Divya Vennu, University of Concepcion, Chile

Oral Presentations

16:50-17:20 Title: Magnetic Nanoparticle by Laser Ablation for Medical Application

Antonio Morone, Italy

17:20-17:50 Title: Biological cell as controlled safe nuclear nano-reactor (justification and successful experiments on transmutation of stable and radioactive isotopes in biological systems)

Vladimir Vysotskii, Kiev National Shevchenko University, Ukraine

17:50-18:20 Title: Structure-Property Correlations of Nanocomposites Based Perovskites with Superior Electro-Optic Sensitivity

Radhamanohar Aepuru, University of Concepcion, Chile

18:20-19:10 Title: Nanoparticles: Remarkable Future for Oilfield Applications

Ravi Shankar Kumar, Rajiv Gandhi Institute of Petroleum Technology, India

Day 2 September 25, 2020

Oral Presentations

11:15-11:45 Title: Device realization with nanofiber and thin film solid ionic electrolyte materials for low temperature applications

Wei Pan, Tsinghua University, China

11:45-12:15 Title: Fatigue Responses and Mechanical Properties of Single-Edge-Cracked Ti/APC-2 Nanocomposite Laminates with Infinitesimal Kinks

Ming-Hwa R Jen, National Sun Yat-Sen University, Taiwan

12:15-12:45 Title: Gold(I)-Thiolate Oligomers for Catalytic Hydrogenation of Nitroaromatics in Aqueous and Organic Medium

Wei-Lung Tseng, National Sun Yat-sen University, Taiwan

12:45-13:15 Title: Fatigue The phase transition of the borophene sheet: A reactive molecular dynamic simulation

Jamal Davoodi, University of Zanjan, Iran