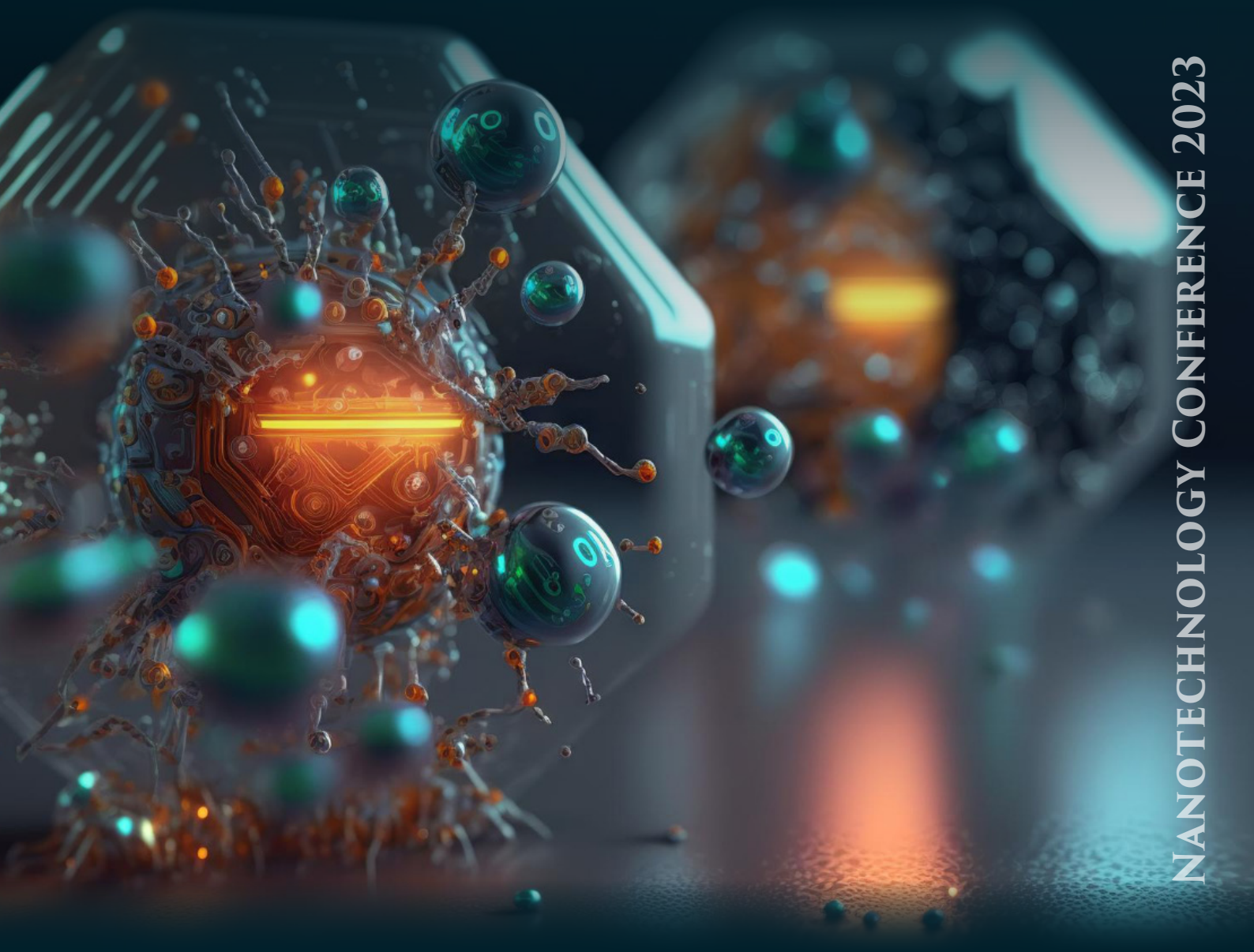
Scientific Program

6th International Conference on

Nanotechnology and Nanomedicine

October 16-18, 2023 | Paris, France



NANOTECHNOLOGY CONFERENCE 2023

Pulsus Group

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Scientific Program

Nanotechnology Conference 2023

Monday | October 16, 2023 | Day 1

Opening Ceremony 09:00 - 09: 15

Keynote Forum

09:15 - 10:00	**Title: Nanoscale imaging of super-high-frequency microelectromechanical resonators with femtometer sensitivity** **Ruochen Lu | University of Texas | USA**
10:00 - 10:45	**Title: P12-38 In vitro skin irritation of microfibrillated cellulose and silica nanoparticles: sustainable alternatives to developing nanotechnology products** **V.C. Gagosian | Federal University of Paraná | Brazil**
10:45 - 11:30	**Title: Silicon nanotechnology for biosensing and bioimaging** **Yao He | Soochow University | China**

Networking & Refreshment Break 11:30-11:45

Sessions on: Nanotechnology and Nanoengineering | Nanomaterials | Nanotechnology in Food Processing and Packaging

11:45-12:15	**Title: Reduction of asthma and allergic rhinitis by minimizing the animal dander and particle count in indoor air on using the AHPCO and Plasma Nanotechnology** **Nabarun K. Ghosh | West Texas A&M University | USA**
12:15-12:45	***Slots are Available**

ORAL PRESENTATION SLOTS ARE AVAILABLE

Lunch Break 13:15-14:15

Panel Discussion

Sessions on: Nanophysics and Quantum Physics | Nanophotonics | Nanotechnology in Automotive and Aerospace Industries

14:15-14:45	**Title: Potential Nanotoxicity of Pegylated Gold Nanorods having Different Sizes and Shapes as a Biocompatible Contrast Agent for 2PE Imaging** **Gaser N. Abdel Rasoul | Italian Institute of Technology | Italy**
14:45-15:15	**Title: Airyscan Cca Provides Structural and Dynamics Fingerprinting of Subcellular Compartments in Living Cells** **Lorenzo Scipioni | University of California | USA**
15:15-15:45	***Slots are Available**

Networking & Refreshment Break 15:45-16:00

ORAL PRESENTATION SLOTS ARE AVAILABLE

Poster Forum (16:30-18:00)

PP 01	**Title: Fast Volumetric Imaging in Two-Photon Microscopy and Enhanced Background Rejection using an Acoustic Lens** **Simonluca Piazza | Istituto Italiano di Tecnologia | Italy**

POSTER/VIRTUAL SLOTS ARE AVAILABLE

Thanks Giving and Closing Cermony

Tuesday | October 17, 2023 | Day 2	
Opening Ceremony 09:00 - 09:15	
Keynote Forum	
09:15-10:00	Title: From nanotoxicology to nano-enabled agriculture: Following the science at the Connecticut Agricultural Experiment Station (CAES) **Jason C. White | The Connecticut Agricultural Experiment Station | USA**
10:00-10:45	Title: Ethanolamine phospholipids at the air-water interface as cell membranes models of microorganisms to study the nanotoxicology of sakuranetin **Luciano Caseli | University of São Paulo | Brazil**
10:45-11:30	*Slots are Available
Networking & Refreshment Break 11:30-11:45	
11:45-12:30	Title: Exploring the usefulness of the complex in vitro intestinal epithelial model Caco-2/HT29/ Raji-B in nanotoxicology **Ricard Marcos | Universitat Autònoma de Barcelona | Spain**
Sessions on: Current Research in Green Nanotechnology | Nanobiotechnology and Nanotoxicology	
12:30-13:00	Title: Poly(vinyl alcohol)-coated silver nanoparticles: Activation of neutrophils and nanotoxicology effects in human hepatocarcinoma and mononuclear cells **Iêda Maria Martinez Paino | University of São Paulo | Brazil**
ORAL PRESENTATION SLOTS ARE AVAILABLE	
Lunch Break 13:30-14:30	
14:30-15:00	Title: Nanotoxicology of an Elastin-like Polypeptide Rapamycin Formulation for Breast Cancer **John Andrew MacKay | University of Southern California | USA**
15:00-15:30	*Slots are Available
ORAL PRESENTATION SLOTS ARE AVAILABLE	
Networking & Refreshment Break 16:00-16:15	
Panel Discussion	
Sessions on: Nanomedicine | Nanotechnology in Tissue Engineering	
16:15-16:45	Title: Hyaluronic acid-based supramolecular nanomedicine with optimized ratio of oxaliplatin/ chlorin e6 for combined chemotherapy and O2-economized photodynamic therapy **Ruibing Wang | University of Macau | China**
16:45-17:15	Title: Amyloid-β/Tau burden and neuroinflammation dual-targeted nanomedicines synergistically restore memory and recognition of Alzheimer's disease mice **Zhi Ping Xu | The University of Queensland | Australia**
17:15-17:45	*Slots are Available
Poster Forum (17:45-18:45)	
PP 01	Title: Application of mesenchymal stem cells combined with nano-polypeptide hydrogel in tissue engineering blood vessel **Nianfeng Sun | Qingdao University | China**
Day 2 - Closing Ceremony	

Wednesday | October 18, 2023 | Day 3

Opening Ceremony 09:00 - 09: 15

Keynote Forum

09:15 - 10:00	**Title: High-temperature nanoindentation characterization of sintered nano-copper particles used in high power electronics packaging** **Jiajie Fan | Fudan University | China**
10:00 - 10:45	**Title: Water-based ultraviolet curable conductive inkjet ink containing silver nano-colloids for flexible electronics** **Jie Wei | University of Chemical Technology | China**

KEYNOTE PRESENTATION SLOTS ARE AVAILABLE

Networking & Refreshment Break 11:30-11:45

11:45-12:30	**Title: MBE-grown high gate dielectrics of HfO2 and (Hf–Al)O2 for Si and III–V semiconductors nano-electronics** **J. Kwo | National Tsing Hua University | Taiwan**

Panel Discussion

Sessions on: Nanosensors for Defense and Security | Carbon Nanotubes and Nanocomposites | Nanoelectronics

12:30-13:00	**Title: Imaging of lactate metabolism in retinal Müller cells with a FRET nanosensor** **Oliver Schmachtenberg | Universidad de Valparaíso | Chile**
13:00-13:30	***Slots are Available**

Lunch Break 13:30-14:30

14:30-15:00	**Title: CrN attached multi-component carbon nanotube composites with superior electromagnetic wave absorption performance** **Zirui Jia | Qingdao University China**
15:00-15:30	**Title: Drug delivery mechanism of doxorubicin and camptothecin on single-walled carbon nanotubes by DFT study** **Cuihong Wang | Tianjin Chengjian University | China**

ORAL PRESENTATION SLOTS ARE AVAILABLE

Networking & Refreshment Break 16:00-16:15

Panel Discussion

Sessions on: Implementation of AI in Nanotechnology | Spintronics and Nanomagnetism

16:15-16:45	**Tilte: Designing of an optical biosensor based on organophosphorous hydrolase – silica – nanomagnet core-shell for paraoxon detection** **Reza Khaksarinejad | Tarbiat Modares University | Iran**
17:15-17:45	***Slots are Available**

Poster Forum (17:45-18:45)

PP 01	**Title: Chemically synthesizing PrCo5 single-crystal particles to fabricate high-performance anisotropic nanomagnets** **Ming Yue | Beijing University of Technology | China**

POSTER/VIRTUAL SLOTS ARE AVAILABLE

***Please note that this is a Tentative Program. Timings and Slots in this program may subject to change**

