

JOINT EVENT



Scientific Program

31st Nano Congress for Future Advancements

&

13th Edition of International Conference on
**Nanomedicine and
Advanced Drug
Delivery**

August 29-30, 2019 | London, UK

DAY-1

August 29, 2019

Meeting Hall: **Johnson**

08:30-09:30 Registrations

Opening Ceremony **09:30-09:50**

KEYNOTE FORUM

09:50-10:00 Introduction

10:00-10:30 **Title: Shapeable material technologies – self-assembling 3D mesoscopic electronics**
Daniil Karnaushenko, Institute for Integrative Nanosciences, Germany

10:30-11:00 **Title: Nano-glasses: A new kind of non-crystalline solids with new applications in technology and medicine**
Herbert Gleiter, Karlsruhe Institute of Technology, Germany

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

11:15-11:45 **Title: Delivering nucleic acids to CD44-expressing cancer cells: From hyaluronic acid to aptamer-decorated nanocarriers**
Herve Hillaireau, Universite Paris- Sud, France

GROUP PHOTO

**Sessions: Advanced Nanomaterials | Nanotech for Energy and Environment | Graphene and its Applications
Nanotechnology in Water Treatment | Nano Biomaterials | Nano Materials Synthesis and Characterisation
Pharmaceutical Nanotechnology**

Chair: Jianqi Zhang, Inner Mongolia University of Science and Technology, China

INTRODUCTION

11:45-12:05 **Title: Anion influence of emission properties and DFT calculations of diprotonated and triprotonated terpyridines**
Naokazu Yoshikawa, Nara Women's University, Japan

12:05-12:25 **Title: Characterization and properties of $Al_{88}Ce_6TM_6$ amorphous alloys**
Jianqi Zhang, Inner Mongolia University of Science and Technology, China

12:25-12:45 **Title: Nanocomposite membranes for water treatment: Prospects and challenges**
Mohtada Sadrzadeh, University of Alberta, Canada

Lunch Break 12:45-13:40 @ RGB

- 13:40-14:00** **Title: Semiconductor nanowire-based quantum materials for advanced enabling optoelectronics**
Qiadong Zhuang, Lancaster University, UK
- 14:00-14:20** **Title: The study of einstein relation in Quantum Dots Superlattices (QDSL) of nonparabolic semiconductors: Simplified theory and suggestions for further experimental determination in biomaterials**
Sudip Chatterjee, Regent Education and Research Foundation, India
- 14:20-14:40** **Title: Preparation of oxygen functional groups controlled-graphene oxide quantum dots through photo-thermal reduction process**
Imjeong Ho-Soon Yang, Pusan National University, Republic of Korea
- 14:40-15:00** **Title: Enhanced and self-tuned motive force for locomotion of a nanorobot: possible solution from nature**
Niti Nipun Sharma, Manipal University Jaipur, India

Sessions: Advanced Nanomaterials | Nanotech for Energy and Environment | Graphene and its Applications Nanotechnology in Water Treatment | Nano Biomaterials | Nano Materials Synthesis and Characterisation Pharmaceutical Nanotechnology

Chair: Mohtada Sadrzadeh, University of Alberta, Canada

INTRODUCTION

- 15:00-15:20** **Title: *In vitro* studies of the release of doxorubicin and other amphiphilic drugs from microgels: Improved mechanistic understanding**
Per Hansson, Uppsala University, Sweden
- 15:20-15:40** **Title: Diagnostics and therapy using iron oxide nanoparticles– The SEON-concept**
Christoph Alexiou, University Hospital Erlangen, Germany
- 15:40-16:00** **Title: Contact lenses loaded with vitamin E and ionic surfactants for extended drug delivery**
Cesar Torres, University of Maryland, USA
- Networking & Refreshments 16:00-16:15 @ Foyer**
- 16:15-16:35** **Title: Multiantigenic peptide-based therapeutic vaccine against cervical cancer**
Waleed M. Hussein, University of Queensland, Australia
- 16:35-16:55** **Title: Pt(II)-metallo-surfactants and metallosomes for chemotherapeutic drug delivery**
Gloria Garcia-Ortega, Universitat Autònoma de Barcelona, Spain
- 16:55-17:15** **Title: Organometallic nanogels for the delivery of nucleotide analogues**
Hervé Hillaireau, Université Paris-Sud, France

Panel Discussion



DAY-2

August 30, 2019

Meeting Hall: **Johnson**

KEYNOTE FORUM

09:20-09:30 Introduction

Title: Chitosan-based colloidal polyelectrolyte complexes: Safe and green drug/vaccine nano-delivery systems
Thierry Delair, University of Lyon, France

Title: Personalized and precision medicine as a unique healthcare model to be set up via genomics-based Innovations, big data resources and translational applications to secure the human wellness and biosafety
Sergey Suchkov, Moscow State Medical University, Russia

Title: Development of real-time graphene sensors for hepatitis
Owen J Guy, Swansea University, UK

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

Title: Development, characterisation and *in vitro* evaluation of disulfiram loaded PEGylated nanoparticles for breast cancer treatment
Mohammad Najlah, Anglia Ruskin University, UK

Sessions: Nanomedicine | Cancer and Nanotechnology | Novel Drug Delivery Systems | Personalised Nanomedicine | Nanomaterials for Drug Delivery | Drug Delivery Research | Drug Delivery and Device Development

Chair: Mohammad Najlah, Anglia Ruskin University, UK

INTRODUCTION

Title: Nano-sized calcium and functional magnetite dispersing enabled remediation system for multi-pollutants in soil
Yoshiharu Mitoma, Prefectural University of Hiroshima, Japan

Title: Transverse Flow Carbon Nanotube Membrane (TFCM) - An innovative ultrapermeable membrane design
Ang Yun Mei Elisa, Nanyang Technological University, Singapore

Title: Synthesis of graphene/bacterial cellulose/polyaniline nanocomposite for gas detection
Hanan Abdali, Chemical Engineering, Polytechnique de Montréal, Canada

Title: Antibodies with functionality as a new generation of unique tools designed to be programmed via translational and targeted biodesign-related resources to suit the standards of the next-step generation
Sergey Suchkov, Moscow State Medical University, Russia

Lunch Break 13:05-13:55 @ RGB

13:55-14:15 **Title: Investigation of drug delivery and efficacy using skin disease models based on *ex vivo* skin organ-culture**
Fiorenza Rancan, Charite - Universitat Medizin Berlin, Germany

14:15-14:35 **Title: Carbon-integrated mesoporous silica nanoparticles for doxorubicin adsorption and release**
NH Nazirah Kamarudin, Universiti Kebangsaan, Malaysia

14:35-14:55 **Title: Bilosomes as a novel ocular drug delivery system for acetazolamide: *In vitro* and *in vivo* evaluation**
Amira Mohsen, Pharmaceutical Technology Department, National Research Centre, Egypt

POSTER PRESENTATIONS 14:55-15:45 @ FOYER

Poster Judge: Daniil Karnaushenko, Institute for Integrative Nanosciences, Germany

Poster Judge: Waleed M. Hussein, University of Queensland, Australia

Poster-001 **Title: A targeted drug delivery nanosystem to hepatocellular carcinoma**
Henrique Manuel dos Santos Faneca, Centre for Neuroscience and Cell Biology, Portugal

Poster-002 **Title: High functional materials containing carbon nanoparticles and hexamethylene diisocyanate for hydrogel ophthalmic lens**
AA-Young Sung, Daegu Catholic University, South Korea

Poster-003 **Title: Highly coke resistant Ni-based catalyst prepared via a novel magnesiothermic reduction for methane reforming catalysis with CO₂**
Jing Liu, Shanghai Jiao Tong University, China

Poster-004 **Title: Chitosan and silver nanoparticles: Promising antitoxoplasma agents**
Maha Reda Gaafar, Alexandria University, Egypt

Poster-005 **Title: Plasmonic nanotube hyperbolic metamaterial with ultra-high refractive index sensitivity**
Tao Wang, Huazhong University of Science and Technology, China

Poster-006 **Title: Efficient gene delivery promoted by PEGylated poly(2-aminoethyl methacrylate hydrochloride)-based nanosystems**
Henrique Manuel dos Santos Faneca, Centre for Neuroscience and Cell Biology, Portugal

Poster-007 **Title: Synthesis of Mg promoted Ni-based nanocomposite catalyst for methane dry reforming**
Peng Zhang, Shanghai Jiao Tong University, China

Networking & Refreshments 15:45-16:00 @ Foyer

POSTER PRESENTATIONS 16:00-17:00 @ FOYER

Poster-008 **Title: A 3D hierarchical microcapsule supercapacitor with ultrahigh current density**
Lian Gao, Shanghai Jiao Tong University, China

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- Poster-009** **Title: Development of an efficient drug delivery nanosystem to tumor cells**
Henrique Manuel dos Santos Faneca, Centre for Neuroscience and Cell Biology, Portugal
- Poster-010** **Title: Nanoparticle-infused-biodegradable-microneedle technology for skin cancer treatment**
Rachel Sully, University of Kent, UK
- Poster-011** **Title: Optimization of thermally and enzymatically cross-linked gelatin films properties for drug delivery**
Mzoughi Jihane, Mulhouse Materials Science Institute, France
- Poster-012** **Title: Cyclodextrin-based nanoaggregates for eye drop formulations**
Blanca Lorenzo-Veiga, University of Iceland, Iceland
- Poster-013** **Title: PCSK9 conjugated paclitaxel loaded liposomes to target the cancer cells**
Nitin B. Charbe, Pontifical Catholic University of Chile, Chile
- Poster-014** **Title: A preclinical regulatory approach before clinical development and marketing authorization of medicinal products in the European Union**
Caballero-Garrido E, Spanish Agency for Medicinal Products and Medical Devices, Spain
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PANEL DISCUSSION

Awards & Closing Ceremony

Bookmark your Dates

32nd Nano Congress for Future Advancements

June 12-13, 2020 | Frankfurt, Germany

E: nanocongress@europeannualconferences.net
Website: nanocongress.nanotechconferences.org

14th Edition of International Conference on

Nanomedicine and Advanced Drug Delivery

July 29-30, 2020 | Zurich, Switzerland

E: nanodrugdelivery@euroconclave.com
Website: nano-drugdelivery.euroscicon.com