13th Edition of International Conference on Nanomedicine and Advanced Drug Delivery
August 29-30, 2019 | London, UK

Scientific Program

Day 1 August 29, 2019

Johnson

08:30-09:30	**Registrations**
09:30-09:50	**Opening Ceremony**
09:50-10:00	**Introduction**
Keynote Session	
10:00-10:30	**Title: Shapeable material technologies – self-assemblying 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 & Coffee Break 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
Scientific 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	
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
12:05-12:30	**Title: Characterization and properties of Al88Ce6TM6 amorphous alloys**
	Jianqi Zhang, Inner Mongolia University of Science and Technology, China
12:30-12:50	**Title: Nanocomposite membranes for water treatment: Prospects and challenges**
	Mohtada Sadrzadeh, University of Alberta, Canada
	Lunch Break 12:50-13:40 @ RGB
13:40-14:00	**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
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

Scientific 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	
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 & Coffee Break 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)-metallosurfactants and metallosomes for chemotherepautic 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, Unversité Paris-Sud, France
	Panel Discussions
Day 2 August 30, 2019	
Johnson	
09:25-09:30	**Introduction**
Keynote Session	
09:30-10:00	**Title: Chitosan-based colloidal polyelectrolyte complexes: Safe and green drug/vaccine nano-delivery systems**
	Thierry Delair, University of Lyon, France
10:00-10:30	**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
10:30-11:00	**Title: Development of real-time graphene sensors for hepatitis**
	Owen J Guy, Swansea University, UK
	Networking & Coffee Break 11:00-11:15 @ Foyer
11:15-11:45	**Title: Development, characterisation and *in vitro* evaluation of disulfiram loaded PEGylated nanoparticles for breast cancer treatment**
	Mohammad Najlah, Anglia Ruskin University, UK
Scientific 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	
11:45-12:05	**Title: Nano-sized calcium and functional magnetite dispersing enabled remediation system for multi-pollutants in soil**
	Yoshiharu Mitoma, Prefectural University of Hiroshima, Japan
12:05-12:25	**Title: Transverse Flow Carbon Nanotube Membrane (TFCM) - An innovative ultrapermeable membrane design**
	Ang Yun Mei Elisa, Nanyang Technological University, Singapore

12:25-12:45	**Title: Synthesis of graphene/bacterial cellulose/polyaniline nanocomposite for gas detection**
	Hanan Abdali, Chemical Engineering, Polytechnique de Montréal, Canada
12:45-13:05	**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: Computational modeling of photothermal therapy using gold nanoparticle for lung cancer treatment**
	Ibtihag Yahya Hassan Mohamed, Sudan University of Science and Technology, Sudan
Poster Presentations 14:55-16:00 @ 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**
	A-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
Poster-008	**Title: A 3D hierarchical microcapsule supercapacitor with ultrahigh current density**
	Lian Gao, Shanghai Jiao Tong University, China
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: Cyclodetrin-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
Networking & Coffee Break 16:00-16:15 @ Foyer	
Note: Tentative Program has been designed with the projected Speakers Names and Titles. Dates and timings in this program are subject to change	