

1586th Conference

Proceedings of

14th International Conference and Exhibition on

NANOMEDICINE AND PHARMACEUTICAL NANOTECHNOLOGY

April 09-11, 2018 Amsterdam, Netherlands



Conference Series llc LTD

47 Churchfield Road, London, W36AY, UK, Toll Free: +1-800-014-8923

Day 1 April 9, 2018

08:30-09:30 Registrations

Meeting Place 2

conference**series**.com 09:30-09:45

Opening Ceremony

Keynote Forum

10:00-10:50 Title: **Personalized & Precision Medicine (PPM) as a model of healthcare of the newest generation: The motivation for biopharma and translational resources to be united and to move ahead**
Sergey Suchkov, Sechenov University, Russia

Networking and Refreshments Break 10:50-11:10

11:10-12:00 Title: **Development of non-pyrogenic magnetosome minerals coated with poly-L-lysine leading to full disappearance of intracranial U87-Luc tumors in 100% of treated mice using magnetic hyperthermia**
Edouard Alphandery, Sorbonne Université, France

Group Photo

Sessions: **Nanomedicine and Biomedical Applications | Design of Nanodrugs | Nanomedicine and Nanotechnology | Synthesis of Nanoparticles for Drug Delivery | Novel Drug Delivery Systems**

Session Chair: **Sergey Suchkov, Sechenov University, Russia**

Session Introduction

12:00-12:40 Title: **Controlled release of steroids utilizing drug-eluting endotracheal tube**
Aiman Abu Ammar, Azrieli College of Engineering Jerusalem, Israel

Lunch @ The Gallery : 12:40-13:40

13:40-14:20 Title: **Antibody-proteases as a novel biomarker and a unique target for translational applications to be applied for bioengineering and biopharma**
Sergey Suchkov, Sechenov University, Russia

14:20- 15:00 Title: **The core of self-assembling peptide nanofiber beside of its biological motif will define osteogenesis: An *in-vitro* and *in-vivo* study**
Bita Rasoulian, Iran University of Medical Sciences, Iran

15:00- 15:40 Title: **Biocompatible coated magnetosome minerals with various organization and cellular interaction properties induce cytotoxicity towards RG-2 and GL-261 glioma cells in the presence of an alternating magnetic field**
Edouard Alphandéry, Sorbonne Université, France

Networking & Refreshments @ Pre-Function Area 15:40-16:00

16:00- 16:40 Title: **Light-sensitive nanoparticles for Bcl-2 siRNA and paclitaxel co-delivery**
Zumra Peksaglam, University of Southern California, USA

16:40- 17:20 Title: **Size of NPs in a nano drug formulation along with co-surfactant concentration will define transduction signals and cell biocompatibility**
Bita Rasoulian, Iran University of Medical Sciences, Iran

Panel Discussion

Day 2 April 10 , 2018

Meeting Place 2

Keynote Forum

10:00-10:50 **Title: Enhanced antitumor efficacy of biocompatible magnetosomes for the magnetic hyperthermia treatment of glioblastoma**
Edouard Alphandéry, Sorbonne Université, France

Networking & Refreshments @ Pre-Function Area 10:50-11:10

Sessions: Nano Pharmaceuticals | Nanobiotechnology | Graphene Medicine | Personalized Nanomedicine | Regulatory Aspects Towards Approval of Nanomedicine and Pharmaceutical

Session Chair: **Hugo Albrecht**, University of South Australia, Australia

Session Introduction

11:10- 11:50 **Title: Targeting prostate cancer cells with hybrid elastin-like polypeptide/liposome nanoparticles**
Hugo Albrecht, University of South Australia, Australia

11:50- 12:30 **Title: The core of self-assembling peptide nanofibers will influence neurogenesis potential of its attached biological motif**
Bitra Rasoulia, Iran University of Medical Sciences, Iran

12:30- 13:10 **Title: Three-dimensional hepatocyte differentiated MSCs vs. 2D cell culture in induction of hepatic regeneration in an experimental model**
Manal M Kamel, Immunology Theodor Bilharz Research Institute, Egypt

Lunch @ The Gallery 13:10- 14:10

Young Research Forum

14:10-14:40 **Title: Transient loading of hematopoietic progenitor cells by polystyrene nanoparticles is independent on their size and composition**
Bart Wathiong, Flemish Institute for Technological Research, Belgium

14:40- 15:10 **Title: Dendrimers PAMAM grafted on smart Fe₃O₄@PDA composite and its application in cancer treatment**
Artur Jędrzak, NanoBioMedical Centre, Adam Mickiewicz University in Poznan

Poster Presentations @ Pre-Function Area 15:10 - 15:40

NP001 **Title: An angiogenesis driven peptide loaded drug delivery nanoparticle for ischemic heart disease targeting therapy**
Tsai-Mu Cheng, Taipei Medical University, Taiwan

NP002 **Title: Nano-mixed micelles: an approach to enhance the oral bioavailability of BCS class III drug**
Mosab Arafat, Al Ain University of Science and Technology, UAE

NP003 **Title: Investigation to the serodiagnosis of zika and chikungunya virus using peptides comprising linear B-cell epitopes**
Hee-Jung Lee, Konkuk University, South Korea

NP004 **Title: Nanosystems for Circulating Tumour Cells culture**
Ana Belen Davila Ibanez, Spain

Networking & Refreshments @ Pre-Function Area 15:40-16:00

Panel Discussion

Award & Closing Ceremony

Day 3 April 11, 2018

Networking