Day 1 April 9, 2018

08:30-09:30 Registrations

Meeting Place 2

conferenceseries.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** **Bita Rasoulian,** 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 Reasearch Fourm

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