MAD-Nano16

MADEIRA INTERNATIONAL CONFERENCE

Emerging Trends and Future of Nanomaterials for Human Health

17-20 November 2016 | **Madeira Island** | PORTUGAL

SCIENTIFIC PROGRAMME

http://cqm.uma.pt/madnano16

CQM CENTRO DE QUÍMICA DA MADEIRA

UNIVERSIDADE da MADEIRA

PROGRAMME

Thursday, 17th November 2016

16:00 - 17:30	**Registration**
17:30 - 18:00	**Openning Session**
18:00 - 19:00	**KN1 - Abhay Pandit**: Biological-basis for Designing Biomaterials for the Injured and Degenerated Host
19:00 - 20:00	**Madeira Wine Welcome Session**

Friday, 18th November 2016

09:00 - 09:45	**KN2 - Rui L. Reis**: Nano-tools and Bioinspired Tissue Engineering Approaches for the Regeneration of Different Tissues
09:45 - 10:20	**IOC1 - Carla S. Alves**: Nanotechnology in the Combat of Infectious Diseases - The Case of Dengue and Zika
10:20 - 10:55	**IOC2 - Ana Rute Neves**: Recent Advances on Brain Drug Delivery for the Treatment of Neurodegenerative Diseases
10:55 - 11:15	**Coffee Break**
11:15 - 12:00	**KN3 - René Roy**: Glycodendrimers or Janus Glycodendrimersomes: That Is The Question?
12:00 - 12:35	**IOC3 - Victoria Leiro**: Biodegradable PEG-GATGE Dendritic Block Copolymers: Synthesis and Potential as siRNA Vectors
12:35 - 13:00	**OC1 - Catarina Leal Seabra**: Anti-Helicobacter Pylori Activity of Docosahexaenoic Acid Loaded Nanostructured Lipid Carriers
13:00 - 15:00	**Lunch**
15:00 - 15:45	**KN4 - Jean-Pierre Majoral**: Design and Applications of Phosphorus Dendrimers in Nanomedicine
15:45 - 16:20	**IOC4 - Ana P. M. Tavares**: Separation and Purification of Immunoglobulin Y (IgY) from Chicken Egg Yolk Using Carbon Nanotubes
16:20 - 16:45	**OC2 - Rita Castro**: DNA/PAMAM Dendrimer Gel-like Films as Potential Drug Delivery Platforms
16:45 - 16:55	**MAD-NANO16 Group Photo**
16:55 - 17:25	**Coffee Break + Poster session**
17:25 - 17:40	**OC3 - Dina Maciel:** Ruthenium Poly(alkylidenamine)-based Dendrimers: Synthesis and Characterization
17:40 - 18:05	**OC4 - Zhijuan Xiong:** Gd-Chelated Poly(propylene imine) Dendrimers with Densely Organized Maltose Shells for Enhanced MR Imaging Applications
18:05 - 18:50	**KN5 - Wolf-Dieter Mueller:** E-spinning Nano Fibers of PBCA for Biomedical Application – State of the Art and First Results
20:00	**Conference Dinner**

Saturday, 19th November 2016

09:00 - 09:45	**KN6 - Bingbo Zhang**: Functional Proteins Promote Nanotheranostics
09:45 - 10:20	**IOC5 - Andrei Kholkin:** Dielectric, Piezoelectric and Pyroelectric Properties of Self-Assembled Diphenylalanine Microtubes
10:20 - 10:55	**IOC6 - Valentin Ceña**: Anti-inflammatory Effects of Phosphodendrimers
10:55 - 11:15	**Coffee Break**
11:15 - 11:30	**OC5 - Cláudia S. Camacho**: The Fascinating Blue Fluorescence of PAMAM Dendrimers
11:30 - 11:45	**OC6 - Ana Olival:** In Vitro Effects of PAMAM Dendrimers on Cells Using ^{1}H NMR Metabolomics
11:45 - 12:20	**IOC7 - Fernando González:** Design of New Nano-Carriers based on Bioinformatics Analysis of Protein-DNA Interactions. Molecular Dynamics and Experimental Validation
12:20 - 13:05	**KN7 - M. Angeles Muñoz-Fernández:** Proof-of-concept of New Carbosilane Dendrimers with Dual-prevention Against HIV-1/HSV-2 Co-infection as Topical Microbicided
13:05 - 14:30	**Lunch**

14:45 - 18:00	**Free afternoon or Excursion** (Madeira sightseeing tour)

Sunday, 20th November 2016

09:00 - 09:45	**KN8 - Ana Paula Pêgo:** BDNF Gene Therapy Vectorized by Neuron-targeted Nanoparticles is Neuroprotective in the Context of Nerve Injury
09:45 - 10:20	**IOC8 - Pedro Alpuim**: Graphene-based Devices for Bio-sensing Platforms
10:20 - 10:55	**IOC9 - Jindong Xia:** PEGylated Polyethylenimine-Entrapped Gold Nanoparticles For Lung Cancer CT Diagnosis
10:55 - 11:20	**OC7 - Mara Gonçalves**: Laponite®/alginate Based Materials: Evaluation of Two Different Strategies for Doxorubicin Delivery
11:20 - 11:40	**Coffee Break**
11:40 - 12:15	**IOC10 - Yu Cheng**: Magnetic Nanomaterials for Brain Cancer Treatment
12:15 - 13:00	**KN9 - Serge Mignani**: Nanotechnologies in General and Phosphorus Dendrimers in Particular to Treat Cancers. Current Situation and Next Steps
13:00 - 13:10	**Closing Session**

POSTER COMMUNICATIONS

PC1 - Wolf-Dieter Mueller: Nano Based Ceramic Devices for Dental Application a New Approach.

PC2 - Nádia Nunes: PAMAM Dendrimers as a Platform for the Preparation of Low-generation of Ruthenium Metallodendrimers.

PC3 - Ana P. M. Tavares: Functionalized Magnetic Nanoparticles for the Purification of Immunoglobulin Y (IgY).

PC4 - Carla Miguel: Capture of Circulating Tumor Cells Using Gelatin/Laponite® Nanofibers.

PC5 - Nilsa Abreu: Hyaluronic Acid-Modified Dendrimer Entrapped Gold Nanoparticles.

PC6 - Ivo Martins: DNA Delivery and Intracellular Imaging Nano Platform Based on Fluorescent Carbon Dots and PAMAM Dendrimers.

PC7 - Gina Tavares: Development and Characterization of Electrochemical Biosensors Based on PAMAM Dendrimers.

Notes:

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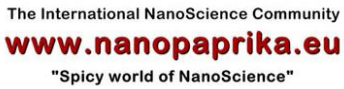

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