

MAM NanoinBio



<http://nanoinbio2016.sciencesconf.org/>



Le Gosier



Guadeloupe



France

NANOINBIO ADVANCES FOR LIFE & MATERIALS SCIENCES

May 31st – June 5th, 2016
LE GOSIER
Guadeloupe
(French West Indies)

VENUE: LE GOSIER - Guadeloupe (FWI)

- Guadeloupe is an ideal location : this French overseas Region is integral part of France and the European Union and located at the heart of the Caribbean. Because of its exceptional natural resources, important devices and infrastructures, recent innovative research work and academic sites, Guadeloupe has compelling advantages for the venue.
- This region of French Overseas is very well served by air from Europe (5 to 7 daily flights) and North America (Canada & USA at 3 weekly flights). Participants will be accommodated in La Creole Beach Hotel & Spa, one of the most pleasant hotels of the archipelago, located at the heart of a tropical garden, among palm trees, hibiscuses and bougainvillea, close to a beach of white sand, its architecture of wood and vegetation will seduce you.

SCIENTIFIC SESSIONS

NANOBIOTECHNOLOGY & NANOMEDICINE

- Nanostructured materials & new surface properties
 - Nanotoxicology & nanomaterials for life
 - Biophysics & biochemistry for life sciences
- Surface functionalization & biomolecules in action
 - Nano-microbiology & Nanobiology

NANOSCIENCES AT THE FRONTIER WITH BIOLOGY

- Biosensors & nanobioelectronics
- Bio-inspired materials & drug delivery
- Nanobiomechanics & nanomedicine
- Tissue engineering & regenerative medicine

INSTRUMENTATION & APPLICATION TOOLS

- Characterization tools from macro to nano-world
- New devices for bio-imaging and diagnostic
- Therapeutic applications & Nanotheranostics
 - Technological advances & theory

ORGANIZATION

Spring School for PhD students, young researchers and uninitiated nanotechnology and physico-chemical techniques (Fluorescence, IR, AFM, SEM, Raman) used for the characterization of nanomaterials and biological systems.

This spring school is two half days long. Round tables and meetings between specialists and industrial researchers (analytical equipment suppliers) will take place during these two days.

The Congress will be spread over six half-days (2 half days per theme) and will be hosted by six invited speakers of international reputation in their field (2 per theme).

A minimum of 90 people is expected on the event

INVITED SPEAKERS

Nanosciences at biological interfaces

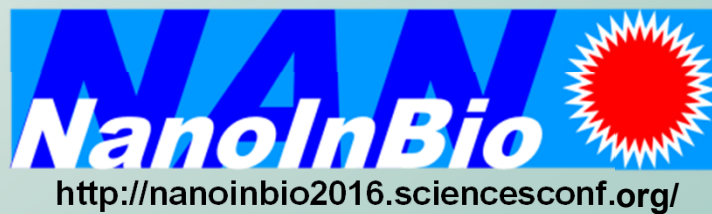
- **Andrew Pelling**, University of Ottawa, Center for Interdisciplinary Nanophysics (Canada)
- **Nicholas Spencer**, Department of Materials, ETH Zürich (Switzerland)

Nanobiotechnologies & nanomedicine

- **Pierre Schaaf**, Inserm UMRS1121 – CNRS UPR 22, Université de Strasbourg (France)
- **Dennis Discher**, Biophysical Eng'g Lab, University of Pennsylvania (United States)

Instrumentation & advances

- **Noriyuki Kodera**, Bio-AFM Frontier Research Center, Kanazawa University (Japan)
- **Georg Fantner**, Laboratoire de bio- et nano-instrumentation, EPFL (Switzerland)



OVERVIEW

Nanosciences at biological interfaces
Nanobiotechnologies and nanomedicine
Instrumentation and advances
for bioapplications



CONTACTS

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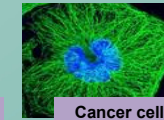
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AUDIENCE

The conference is intended for a wide audience : researchers from academic and private sectors, physicists, chemists, biologists, pharmacists who want to learn to nanotechnology applied to life sciences and materials.

This conference is particularly dedicated to young researchers, PhD students, engineers from Caribbean, European, American and Asian countries looking to expand their approaches and/or knowledge in nanotechnologies for materials, life sciences and bio applications.



KEY DATES

September 1st, 2015

• ONLINE OPENING

October 21st, 2015

• REGISTRATION

March 21st, 2016

• DEADLINE SUBMISSION