NanoInBio

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NANOINBIO
ADVANCES FOR LIFE & MATERIALS SCIENCES

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

VENUE: LE GOSIER Guadeloupe (French West Indies)

- Guadeloupe is a strategic location : this French overseas Region is integral part of France and the European Union and located at the heart of Basin of the Americas. 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). The venue is scheduled during the low tourist season with the opportunity to affordable air fares and accommodation.

SCIENTIFIC SESSIONS

NANOBIOTECHNOLOGY & NANOMEDICINE
- Biosensors and nanobiology
- Bio-inspired nanomaterials
- Nanobiomechanics and nanomdicine
- Nanotechnologies for bio-applications

NANOSCIENCES AT THE FRONTIER WITH BIOLOGY
- Nanostructured materials and surfaces
- Nanotoxicology
- Physical chemistry for bio-applications

INSTRUMENTATION & APPLICATION TOOLS
- From the micro- to the nano-world
- Technological advances

UPMC SORBONNE UNIVERSITÉS · cnrs · GDR TSI · utc Université de Technologie Compiègne · Inserm Institut national de la santé et de la recherche médicale · LCPME · Université des Antilles et de la Guyane

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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

OVERVIEW

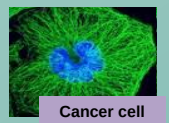
Nanosciences at biological interfaces
Nanobiotechnologies and nanomedicine
Instrumentation and advances for bioapplications

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.


Collagen fibrils


Cancer cell

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)

CONTACTS

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KEY DATES

- **September 1st, 2015** • ONLINE OPENING
- **October 1st, 2015** • REGISTRATION
- **March 15th, 2016** • DEADLINE SUBMISSION