

Technical Programme

The NANOMEDICINE Conference aims to bring together researchers and developers from around the world working in the following areas.

- Targeted delivery
- Diagnostics
- Regenerative Medicine

The Technical Theme of the NANOMEDICINE Conference will be “*Nanotechnology for Health*”.

Nanomedicine is defined as the application of nanotechnology to achieve breakthroughs in healthcare. It exploits the improved and often novel physical, chemical and biological properties of materials at the nanometer scale. It has the potential to enable early detection and prevention, and to essentially improve diagnosis, treatment and follow-up of diseases.

Nanomedicine is a very special area of nanotechnology, because: it is an extremely large field ranging from in vivo and in vitro diagnostics to therapy including targeted delivery and regenerative medicine; it interfaces nanomaterials (surfaces, particles, etc.) or analytical instruments with “living” human material (cells, tissue, body fluids) and it creates new tools and methods that impact significantly existing conservative practices.

The NANOMEDICINE Conference will enhance the knowledge and skills of researchers by sharing multidisciplinary knowledge and expertise between scientists from academia and industry. The planned Technical Programme will include invited lectures as well as oral and poster presentations on the following topics:

- ü *Oral and pulmonary delivery of proteinic / peptidic drugs.*
- ü *Neurodegenerative diseases – crossing of the blood brain barrier.*

- ü *Diagnosis and treatment of cardiovascular diseases.*
- ü *Diagnosis and treatment of cancer.*
- ü *Diagnosis and treatment of musculoskeletal disorders.*
- ü *Diagnosis of bacterial and virus infections.*

The selection of oral and poster presentations will be made by the International Programme Committee.

Paper Submission

Papers related to one or several of the main conference topics with an emphasis on the main Conference Theme “*Nanotechnology for Health*” are welcome.

The papers should be submitted electronically in PDF format to the conference secretariat. They must be prepared in accordance with the instructions given below:

- ü The title, authors and affiliations should be centered in bold print at the top of the first page.
- ü The printed abstract should fit just inside a 14cm x 21cm rectangle.
- ü The length of the submitted papers should be limited to eight pages including figures.
- ü Please use one of the following 12 point fonts: Times, Times New Roman

Deadlines for Paper Submission

June 10, 2007	Submission of abstracts
June 20, 2007	Notification of acceptance
July 15, 2007	Submission of papers

Language

English will be the official language of the conference.

International Programme Committee

Patrick Boisseau (CEA-Léti, France)

Vinod Subramaniam (University of Twente/MESA+ Research Institute, The Netherlands)

Mike Eaton (UCB Group, United Kingdom)

Ruth Duncan (Cardiff University, United Kingdom)

Ruth Schmid (SINTEF, Norway)

Alessandra Pavesio (Fidia Advanced Biopolymers, Italy)

Bengt Kasemo (Chalmers University of Technology, Sweden)

Klaus-Michael Weltring (Bioanalytik - muenster, Germany)

Rafi Korenstein (Tel-Aviv University, Israel)

Christoph Schmitz (Maastricht University, The Netherlands)

Organizing Committee

Costas Kiparissides (AUTH & CERTH, Greece)

Uta Faure (European Commission, Belgium)

Olga Kammona (CPERI/CERTH, Greece)

Chrysanthos Zamboulis (AUTH & CERTH, Greece)

Nicos Maglaveras (AUTH & CERTH, Greece)

Asterios Tsiftoglou (AUTH, Greece)

Silke Megelski (DECHEMA, Germany)

Location

The NANOMEDICINE Conference will be held in Chalkidiki, Greece. Chalkidiki is a three-pronged peninsula, located in Northern Greece, roughly in the center of Macedonia. To the North it shares borders with the prefecture of Thessaloniki. To the South,

East and West Chalkidiki juts into the Aegean Sea. Due to the area's geomorphology, Chalkidiki has the longest stretch of coastline in mainland Greece, estimated to be more than 500 km of sandy beaches and attractive bays. To the north of the coastal region the country becomes mountainous. The whole region is heavily wooded with pines and olive trees, while inland there are vineyards and fertile farmlands.

The climate in Chalkidiki is generally mild with limited rainfall whilst sunshine and warm summers are well known. It enjoys over 300 days of sunshine on average annually.

Venue

Hotel Meliton, Porto Carras Grand Resort: The hotel is located in a hidden paradise in Northern Greece, on the western coast of Sithonia, Chalkidiki's central peninsula, 120km from Thessaloniki.

Website: <http://www.portocarras.com>

Social Programme

The social programme planned is centered around the theme of spouse appreciation and aims to motivate the participation of all spouses and accompanying persons. Swimming, sunbathing, short excursions and other social activities will be available.

The banquet will take place on the evening of September 11. Besides the traditional Greek dinner, it will also include a cultural programme with live music. These festivities, expected to last until the early hours of the morning, aim to honor the very important contributions of all spouses and companions to our technical community.

Travel and Accomodation

Chalkidiki can be easily accessed by car. It is very close to Thessaloniki and Makedonia airport.

All hotel accommodations will be arranged by the Conference Secretariat.

For additional information please contact:

Conference Secretariat

Centre for Research and Technology Hellas (*CERTH*)
P.O. Box 472, 54124, Thessaloniki, Greece

Phone: +30 2310 996212

Fax: +30 2310 996198

e-mail: nanomedicine@certh.gr

All information regarding the conference programme, electronic paper submission, electronic registration and hotel accommodation can be found at the conference website:

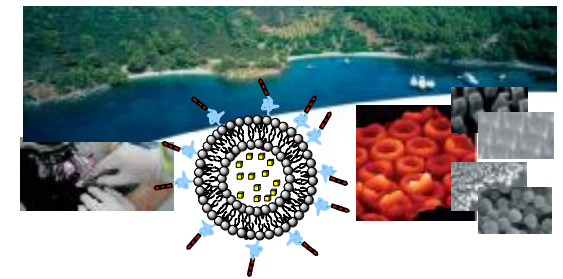
<http://nanomedicine.certh.gr>

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Call for Papers

INTERNATIONAL CONFERENCE ON NANOMEDICINE



September 9-11, 2007

Chalkidiki, Greece

Technical Theme:
"Nanotechnology for Health"



NanoBioPharmaceutics
Nanoscale Functionalities for
Targeted Delivery of Biopharmaceutics