



EUROPEAN  
MATERIALS RESEARCH SOCIETY  
STRASBOURG



EUROPEAN ACADEMY OF  
SCIENCES AND ARTS  
SALZBURG



ACADEMIE NATIONALE  
DE MEDECINE  
PARIS

CLINAM

EUROPEAN FOUNDATION FOR  
CLINICAL NANOMEDICINE  
BASEL

## NANOSCIENCES & NANOTECHNOLOGIES IN MEDICINE

### The promise of a better life ?

Strasbourg 24<sup>th</sup> October 2008

Council of Europe, Room 10

- Organised by: - The European Academy of Sciences and Arts (Austria)  
In collaboration with: - The National Academy of Medicine (France)  
- The European Foundation for Clinical Nanomedicine (Switzerland)  
- The European Materials Research Society (E-MRS) (France)

#### 9:00 OPENING

- Representative of the Council of Europe
- Felix UNGER, President of the European Academy of Sciences & Arts (Austria)
- Gerard MILHAUD, President of the social section of the National Academy of Medicine (France)
- Bertrand LUDES, Dean of the Faculty of Medicine, Strasbourg (France)
- Gabriel CREAN, Scientific Director of CEA (France)

#### FIRST SESSION

9:30 **Chairman of the Session**  
Edwin MILGROM, National Academy of Medicine (France)

#### Nanotechnology in Medicine : the challenge of the 21st Century

9:50 **Nanosciences and Nanotechnologies, State of the Art and Prospective**  
Christian SCHOENENBERGER, Director of the Swiss Nanosciences Institute, Basel (*to be confirmed*)

10:10 **Nanomedication**  
Patrick COUVREUR, Biopharmacy  
Faculty of Pharmacy, Université Paris Sud XI, (France)

**10:30 Industrial Process of Nanomaterials Production :  
Carbon Nanotubes and their possible Applications**  
Daniel BERNARD, Scientific Director, ARKEMA, Paris (France)

**10:50 Discussion**

**11:15 Break**

## **SECOND SESSION**

**11:30 Chairman of the Session**  
Patrick HUNZIKER, President of the European Society for Nanomedicine,  
University Hospital of Basel (Switzerland)

**Nanomedicine: Promises, Risks and Implications – an overview**

**11:50 Nanotechnology and medical Neuroscience mode,  
Danger or turning Point**  
François BERGER, Director, Institut de Neurosciences, Grenoble (France)

**12:10 Discussion**

**12:30 Lunch**

## **SECOND SESSION (continued)**

**14:30 Contribution of Nanotechnology to molecular Imagery**  
Michel ZANCA, Service de Médecine Nucléaire,  
CHU de Montpellier (France)

**14:50 Blood-Brain Barrier and Nanoworld**  
Pierre-Olivier COURAUD, Co-Director de l'Institut Cochin, Paris (France)

**15:10 Discussion**

## **THIRD SESSION**

**15:25 Danger of fine and ultra-fine atmospheric Particles for the Health of  
Workers and Populations**  
Franceline MARANO, Laboratoire de Cytophysiologie,  
et Toxicologie cellulaire, Université Paris 7 (France)

**15:45 Medicine of the Future: Societal and Ethical Challenges**  
Donald BRUCE, Director of the Ethics Consultancy "Edinethics" (UK)

**16:05 Break**

**16:20 ROUND TABLE AND CONCLUSIONS**  
**Moderator :** Gabriel CREAN, CEA (France)

**17:00 End of the Conference**

E-MRS

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