

13h15 Registration

14h00 Opening session President of the University

Nathalie MIGNET (SFNano President), D. Rouxel (NanoSMS)

SESSION CO-ORGANISED WITH NANOSMS - SYNTHESIS AND CHARACTERISATION OF NANOMATERIALS FOR HEALTH

14h30 **Christine Ménager**, Paris
Synthèse de nanoparticules pour la santé

15h00 **Sylvie Begin**, Université de Strasbourg
Synthèse et caractérisation de NP hybrides

15h30 Raphaël Schneider, Nancy
Synthesis and biological applications of zinc oxyde quantum dots

15h45 Damien Lenoble, centre Gabriel Lippman, Luxembourg
Nanomaterials characterization for nano-enabled medicine

18h00 **Peter. Reiss**, Grenoble
Cadmium-free quantum dots for biomedical applications

DECEMBER 10, 2014

8h30 Registration – Poster installation

MIXED SESSION WITH NANOSMS -MICRO AND NANOSYSTEMS FOR HEALTH

9h00 Nicole Jaffrezic-Renault, Lyon
Etat de l'art sur les biocapteurs en nanotechnologies

9h30 Sylvie Renaud, Bordeaux
Micro-nanosystèmes embarqués pour la santé

10h00 Thibault Roux-Marchand (Nancy)
Duplication d'ADN assistée par ondes acoustiques de surface

10h15 Julien Claudel (Nancy)
Caractérisation de nanoparticules dans le flux sanguin

11h45 Organisation des Nanomédecines en France et en Europe
Présentation de l'ETPN : P. Boisseau
General Assembly of SFG Nano
British and Dutch society for nanomedicine

12h30 POSTER SESSION (Session A) & LUNCH BREAK

MIXED SESSION WITH NANOSMS -NANOTECHNOLOGIES FOR DIAGNOSIS

14h00 M. Desmulliez, Microsystems Engineering Centre (MISEC), Heriot-Watt University, Scotland, UK, *Micro particles separation techniques in biomedical applications and an application of such a technique for plasmaphoresis*

14h30 Antigoni Alexandrou, Ecole Polytechnique
Nanoémetteurs et suivi de biomolécules individuelles

15h00 Thierry Gacoin (Paris)
Nanosondes émettant un signal de seconde harmonique

15h15 François Montaigne (Nancy)
On chip magnetic nanobead detection and manipulation for diagnosis

16h30 Chantal Fournier, établissement Français du Sang
Perspectives of nanoparticles for diagnostic

16h45 Industrial point of view: Round table led by Nicole Jaffrezic and Chantal Fournier
SD Médical : microsystèmes biomédicaux
Roche , Biorad (invited)

17h45 D. Rouxel and Elias Fattal
Societal impact, hopes and fears

18h00 Interactive discussion with the participants. Debate led by Y. Fort and E. Fattal
J. Alnot, S. Lacour : Human and social science, E. Gaffet : ANSES experts , E. Fattal

DECEMBER 11, 2014

SESSION NANOPARTICLES IN INFLAMMATORY DISEASES

9h00 **Pr Pierre Desreumaux**
Applications of nanotechnologies in inflammatory bowel diseases

9h30 **Klaus Michael Lehr**
Nanomedicines for targeted drug delivery to the inflamed intestinal mucosa

11h30 Point de vue des industriels

12h15 POSTER SESSION (Session A) & LUNCH BREAK

SESSION «NANOPARTICLES IN RADIATION THERAPIES

14h00 Muriel Barberi-Heyob
Nanoparticles and radiation therapies: Main issues

14h20 Serge Mordon Conférencier invité point de vue médical
Medical Applications of Photodynamic Therapy in 2014

14h50 Eric Deutsch, IGR
17h00 Industrial point of view

18h30 **Gala Dinner**

DECEMBER 12, 2014

SESSION «REGENERATIVE NANOMEDICINE »

9h00 Didier Letourneur, INSERM, Bichat état de l'art

10h00 Philippe Laval INSERM U 1121 Biomaterials Bioengineering UMR 1121
Micro and nano structured hybrid implants

11h45 Industrial point of view: Round table led by D. Letourneur and P. Menu

12h30 POSTER SESSION (Session) & LUNCH BREAK

15h40 SFG Nano-SANOFI PRIZE

15h45 SFG Nano/NanoSMS : 2 POSTER PRIZES

15h50 End of the scientific program