

NIS Colloquium

Nanosized Systems for Molecular Imaging

Torino, Friday november 10th and Saturday november 11th, 2006

Molecular Biotechnology Center, via Nizza 52, Torino

PROGRAMME

Friday, November 10th

- 14.00 **Opening of Colloquium** – Adriano Zecchina, NIS Director, Silvio Aime, CIM Director
- 14.10 **Prof. Robert N. Muller**, Department of Organic Chemistry, University of Mons-Hainaut, Mons (BE)
Superparamagnetic Iron Oxide Particles in MRI
- 1st lecture
- 15.00 **Dr. Enrica Gianotti**, Dipartimento di Chimica IFM and NIS, Università di Torino, Torino (I)
Luminescent Dyes Doped Mesoporous Silica Nanoparticles
- 1st short Comm.
- 15.20 **Prof. Ciro Isidoro**, Laboratorio di Patologia, Dipartimento di Scienze Mediche, Università del Piemonte
Orientale, Novara (I)
Optical Imaging of Cellular Events Using Fluorescent Silica Nanoparticles
- 2nd Short Comm.
- 15.40 **Coffee Break**
- 16,10 **Dr. Mark Eccleston**, Cambridge Unit for Responsive Biopolymers, Department of Chemical
Engineering, University of Cambridge and Vivamer Ltd, Cambridge (UK)
Ultra-bright Polymer Enhanced Fluorescent Nano-systems for Theranostic Delivery
- 2nd Lecture
- 17.00 **Roberto Bonzi**, M-Medical Srl, Milano (I)
*Odyssey InfraRed Imaging System for Blotting, Cells, Tissues and Small Animal
Quantitative Analysis*
- 3rd Short Comm.
- 17.20 **Prof. Benoit Dubertret**, Laboratoire d'Optique Physique, Ecole Supérieure de Physique et de Chimie
Industrielles, Paris (F)
Fluorescent Semiconductor Nanocrystals for In Vivo Imaging
- 3rd Lecture
- 18.10 **End**
- 20.30 **Social dinner**

Saturday, November 11th

- 9.00 **Prof. Klaas Nicolay**, Department of Biomedical Engineering, Eindhoven University of Technology,
Eindhoven (NL)
Dual Imaging Probes Based on Liposomes
- 4th Lecture
- 9,50 **Dr. Simonetta Geninatti-Crich**, Dipartimento di Chimica IFM, Torino (I)
Gd-loaded Apoferritin: a High Sensitivity MRI Agent
- 4th Short Comm.
- 10,10 **Coffee Break**
- 10,30 **Prof. Lothar Helm**, Institut des Sciences et Ingénierie Chimiques, Ecole Polytechnique Fédérale de
Lausanne, Lausanne (CH)
Gd/Fullerenes and Gd/SW Carbon Nanotubes as MRI Reporters
- 5th Lecture
- 11,20 **Dr. Claudia Cabella**, Bracco Imaging SpA, Milano (I)
Paramagnetic Liposomes as Susceptibility Agents
- 5th Short Comm.
- 11,40 **Dr. Daniela Delli Castelli**, Dipartimento di Chimica IFM, Università di Torino, Torino (I)
LipoCEST: a New Class of MRI Contrast Agents
- 6th Lecture
- 12,30 **Dr. Enzo Terreno**, Centre of Molecular Imaging, Torino (I)
Paramagnetic Liposomes as Temperature Reporters
- 6th Short Comm.
- 12,50 **Concluding remarks**
- 13,00 **End of Colloquium**

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