



**1st workshop
of the NANOMATCH RTN European Network
ENS Cachan, France**

61 avenue du président Wilson
94235 Cachan
Salle Renaudeau, bâtiment Laplace



February 19, 2007

9:00 Arrival and opening

Joseph ZYSS, Director of the D'Alembert Institute

9:15 Introduction of the Nanomatch Young Researchers

Brief presentation of past and present project – 5 to 10' per YR

C. Botta group, Milano, Italy: Varun Vohra, Jean-Philippe Bombenger

G. Bon Giovanni group, Cagliari Italy : Agnieszka Gocalinska

J. Hulliger group, Bern, Switzerland: Ricarda Berger

L. De Cola Goup, München, Germany : Fabio Cucinotta

A. Prodi-Schwab- Degussa group, Marl, Germany: Mariana Bertoni, Mark Leenen

J. Cournil group, Mons, Belgium: Lucas Viani

10:30 “Materials and nanomaterials for nonlinear optics and luminescence “

by Prof. Isabelle LEDOUX, ENS Cachan, France

11:15 “Imaging fluorescence lifetime in organic nanocrystals “

by Dr. Robert PANSU, ENS Cachan, France

12:00 Lunch

14:00 “The photophysics of colloidal semiconductor nanocrystals and some applications in imaging and lasing”

by Prof. Dan ORON, Weissman Institute, Israel

14:45 “Lasing in organic microcavities”

by Mélanie LEBENTAL, ENS Cachan, France

15:15 Coffee break

15:45 - 18:00 Lab' tour of Laboratoire de Photonique Quantique et Moléculaire

February 20, 2007

9:00 "Nonlinear microscopy I. : introduction"

by Dr. Sophie BRASSELET, Institut Fresnel, Marseille, France

9:45 "Coherent anti-Stokes Raman scattering (CARS) microscopy: principle & application"

by David GACHET, Institut Fresnel, Marseille, France

10:15 Coffee break

10:45 "Molecules, materials and technology for second order optically nonlinear devices"

by Prof. Joseph ZYSS, ENS Cachan, France

11:30 "Photoswitchable Organic Monomeric Materials for applications in optical data storage and light emission"

by Dr. Elena ISHOW, ENS Cachan, France

12:15 Lunch

14:00 "Crystallinity diagnostics and 3D-orientation measurements of single nano-crystals by nonlinear microscopy"

by Dr. Nicolas SANDEAU, ENS Cachan, France

14:30 "A detailed analysis of a polar material: *trans*-4-chloro-4'-nitrostilbene"

by Norwid-Rasmus BEHRND, University of Bern, Switzerland

15:00 Coffee and discussions : Nanomatch project and collaborations

17:00 Departure