Nanobiotechnology Workshop on France-Taiwan International Research Collaboration
Sèvres, 17 july 2007
Location : CIEP, 1, avenue Leon Journault (Sèvres)   Metro station : Pont de Sèvres

Preliminary program

9 a.m.  Opening remarks

9. 15- 10.00  Platform of Biochips with pre-defined Oligosaccharide sequences for carbohydrate-based drug discovery
One presentation by Prof. J. Xie (ENS Cachan) and one presentation by Prof. Fan Long-Shen (National Tsing Hua Univ.), or collaborator.
Title of Prof. Xie’s presentation: Preparation of photolabile sugars for light-directed oligosaccharide synthesis

10.00 - 10.45  Development of microTAS and biosensors using microdevices
One presentation by Serge Desportes (ENS Cachan): 3-D hydrodynamic focusing; modelisation and applications
One presentation by H.J. Sheen or C.J. Lee (NTU) : µ-TAS
One presentation by J. Delaire(ENS Cachan): Detection of heavy metal ions in µ-TAS

10.45 – 11.15  Coffee break

11.15 – 12 .00  Microgenerators for bio-microsystems based on acoustic energy harvesting using PZT material
One presentation by Prof. Wen-Jong Wu (or collaborators) from NTU
One presentation by François Costa (or collaborators) from ENS Cachan
Recent developements for power MEMS based on piezoelectric materials: actuator structures and PZT deposition technology.

12.00 – 14 .00  Lunch

14.00 – 14. 30  "Photoluminescent diamond nanoparticles: a new marker for biology".
Prof. François Treussart, LPQM, D’Alembert Institute, ENS Cachan

14.30 – 16 .00  Nonlinear Microscopy developments for investigation of biomolecules in micro-and nanodomains
One presentation (or two) by Prof. Chii-Wann Lin and/or coll.(NTU )
One presentation by Joseph Zyss (ENS Cachan): Revealing and mapping local molecular order in molecular and biological media via multiphoton confocal microscopies

16.00 – 16. 30  Coffee Break

16.30-18.00  Panel Discussion on the collaboration : application to ANR program in 2008?

19.00 – 21 .00  Dinner at CIEP.