PROGRAM
ULP-JSPS Joint Forum on
“Frontiers in Biology/Chemistry/Physics”
For the 150th anniversary of the France-Japan Relationship
Thursday 29th and Friday 30th May 2008
At ISIS, ULP

1st Day (Thursday 29th May)

08:15 – 08:45  Inscription/Coffee

09:00 – 10:00  Opening: welcome address
Chairperson: Mireille MATT (University Louis Pasteur)
   Alain BERETZ  President, University Louis Pasteur
   Tsukasa KAWADA  Consul General of Japan in Strasbourg
   Adrien ZELLER  President of Alsace Region
   Roland RIES  Mayor of Strasbourg
   John MARKS  Deputy Chief Executive, ESF
   Kazuo SHIMOMURA  Deputy General Secretary, HFSP
   Jean-François SABOURET  Representing President of CNRS
   Motoyuki ONO  President of JSPS

10:00 – 12:15  1st Session / Biodiversity & Genomics

Keynote and Chairpersons: Shunsuke MAWATARI (Hokkaido Univ.)/
   Olivier POCH (IGBMC)
   Olivier POCH  “Sequencing in the post-genomic era: cDNA analysis of the thermotolerant
   annelid, Alvinella pompejana”
   Shunsuke MAWATARI  “Biodiversity research stands on specimens”

J-F Speakers: Takema FUKATSU (AIST)/Eric MAROIS (IBMC)
   Takema FUKATSU  “Biodiversity, Endosymbiosis and Evolution”
   Eric MAROIS  “The immune response of the malaria mosquito against Plasmodium”

J-F Speakers: Hiroshi KAJIHARA (Hokkaido Univ.)/
   Florence ARSENE-PLOETZE (GMGM)
   Hiroshi KAJIHARA  “Frontier in systematic study on marine invertebrates”
   Florence ARSENE-PLOETZE  “Physiological, molecular and genomic approaches to
   analyze the diversity of arsenic-resistant bacteria”
12: 15 – 13: 30 Lunch (buffet)

13: 30 – 15: 45  2nd Session / Medical Science  
**Keynote and Chairpersons:** Kunitada SHIMOTOHNO (Keio Univ.)/ Thomas BAUMERT (IGBMC)  

Kunitada SHIMOTOHNO/ Thomas BAUMERT  
“Host factors involved in HCV infection -from entry to release-”

**J-F Speakers:** Hajime KUBO (Kyoto Univ.)/ Sylvie FOURNEL (IBMC)  
Hajime KUBO  Novel targets for the cancer therapy  
Sylvie FOURNEL  Synthetic agonists of CD40 to control immune response

**J-F Speakers:** Takashi TSUJI (TUS)/ Philippe KASTNER (IGBMC)  
Takashi TSUJI  The Strategy and Development of the Research for Tooth Regenerative Therapy as a Future Organ Replacement Regenerative Therapy  
Philippe KASTNER  Molecular convergence between Ikaros and Notch in the pathogenesis of T cell leukemia

15: 45 – 16:00 Coffee break

16: 00 – 18: 15  3rd Session / Biofunctional Science  
**Keynote and Chairpersons:** Mitsuharu KOTERA (CNRS)/ Dino MORAS (IGBMC)  

Dino MORAS  
Structural Characterization of Functional Complexes”

**J-F Speakers:** Osamu NUREKI (Univ. Tokyo)/ Hubert BECKER (IBMC)  
Osamu NUREKI  Stop-codon recoding mechanism revealed by the suppressor tRNAPyl•PylS complex structure”  
Hubert BECKER  Expanding the genetic code to asparagine

**J-F Speakers:** Moritoshi SATO (Univ.Tokyo)/ Andrew GRIFFITHS (ISIS)  
Moritoshi SATO  Imaging Molecular Processes in Living Cells  
Andrew GRIFFITHS  Miniaturising the laboratory in emulsion droplets
2nd Day (Friday 30th May)

08: 15 – 08: 45     Inscription/Coffee

09: 00 – 11: 15     4th Session / Materials Science

Keynote and Chairpersons: Kyoko NOZAKI (Univ. Tokyo)/ Wais HOSSEINI (Chimie)
Kyoko NOZAKI  [Fine-Structural Control in Materials Science]

J-F Speakers: Yoshikazu SUZUKI (Kyoto Univ.)/ Benoît P. PICHON (IPCMS)
Yoshikazu SUZUKI  [TiO_2-Based Nanomaterials for Sustainable Energy Applications]
Benoît P. PICHON  [Thin Films of Nanoparticles Assemblies for Applications in Magnetism]

J-F Speakers: Toru HARA (Riken)/ David HALLEY (IPCMS)
Toru HARA  [Recent X-ray light sources, synchrotron radiation and FEL]
David HALLEY  [When chromium becomes insulating]

11: 15 – 11: 45 JSPS presentation: Kenichi SHIRAISHI (JSPS)

11: 45 – 13: 15 Lunch (buffet)

13: 15 – 15: 30     5th Session / Catalysis & Environment

Keynote and Chairpersons: Nobuharu IWASAWA (Tokyo Tech)/
Stéphane VUILLEUMIER (GMGM)
Nobuharu IWASAWA/ Stéphane VUILLEUMIER  [Catalysts for Environmentally Benign Processes: From Transition Metals to Microorganisms]

J-F Speakers: Mizuki TADA (Univ. Tokyo)/ Kilian MUNIZ (Chimie)
Mizuki TADA  [Direct Phenol Synthesis from Benzene and O_2 on A Novel Supported Re Catalyst]
Kilian MUNIZ  [Overcoming Nature's Limitation: Amide Transfer through High Oxidation State Palladium(IV) Catalysis]

J-F Speakers: Taizo SANO (AIST)/ Valérie KELLER-SPITZER (ECPM)
Taizo SANO  [Visible-Light Responsive Photocatalyst for Environmental Cleanup]
Valérie KELLER-SPITZER  [UV-A photocatalysis as a global process for air chemical depollution and biological decontamination. At the frontier between catalysis and biology]

15: 30 – 15: 45 Coffee break
15: 45 – 18: 00       6th Session / Nanosciences

Keynote and Chairpersons: Mitsuhiko SHIONOYA (Univ. Tokyo)/
Thomas EBBESEN (ISIS)

Mitsuhiko SHIONOYA
Supramolecular Approaches to Nanoscopic Array, Space, and Motion

J-F Speakers: Toshihiro KONDO (Ochanomizu Univ.)/ Sylvie FERLAY (Chimie)
Toshihiro KONDO  In situ surface X-ray techniques using synchrotron radiation at
electrode/electrolyte interfaces

Sylvie FERLAY
Construction of Hybrid Organic / Inorganic functional molecular crystals

J-F Speakers: Hisao MORIMOTO (Toyo Univ.)/Vincent BALL (ENSPS)
Hisao MORIMOTO
Self-organizations of magnetic nano/micro particles and their applications

Vincent BALL  Fundamental investigations on the build up regime of polyelectrolyte
multilayer films and their application for the design of quasi 2D nanoreactors

18: 00 – 18: 30 Concluding remarks

Chairperson: Mitsuhiko SHIONOYA (Univ. Tokyo)
Jean-Marie LEHN   University Louis Pasteur
Richard GIEGE     University Louis Pasteur
Patrick ALNOT     Ministry of Higher Education and Research
Mireille MATT    University Louis Pasteur
Yoichi NAKATANI  JSPS Strasbourg Office