

## **Symposium I**

### **Title:**

Biohybrids and biomaterials

### **Scope:**

Combining advanced materials with biology has become one of the most innovative research fields. This symposium will highlight recent advances in the design of functional materials that mimic, or are inspired by, materials found in nature. Materials prepared using biological systems, including living organisms and renewable sources and materials, will also be covered. Nanostructural control for the delivery of biological molecules and cells will be reviewed. Another topic of focus will be hybrid materials specifically designed for biomedical applications.

### **Session Topics:**

- Biomimetic materials
- Biomineralisation
- Biosensors
- Biocatalysts
- Synthetic/biopolymer hybrids materials
- Nanomedicine
- Drug delivery
- Bioreactors
- Living materials
- Bionanocomposites

### **Tentative List Invited Speakers:**

Martin Desimone, Facultad de Farmacia y Bioquímica. Universidad de Buenos Aires, Argentina

Matthias Epple, Universität Duisburg-Essen, Germany

Zoe Schnepf, University of Birmingham, UK

Hiroshi Matsui, City University New York - Hunter College, USA

**Symposium Organizers:**

Roberta Brayner, Université Paris Diderot, France

Fernand Fiévet, Université Paris Diderot, France