

## 8th June 2015

9:00 Registration

9:30 Welcome by organizers and COST members

10:00 **Keynote-1** : “Biomaterials, beyond a simple template” **Elisabeth Engel**. Institut of Bioengineering of Catalonia - IBEC (Spain)

10:50 Coffee Break + Poster session 1

### Oral Session 1 Chair: Anna Roig

11:50-12:10 **O-1.1** “2D Microscale Engineering of Novel Protein based Nanoparticles for Cell Guidance”. Imma Ratera. ICMA-B-CSIC / Spain.

12:10-12:30 **O-1.2** “2D Microscale Engineering of Novel Protein based Nanoparticles for Cell Guidance”. Imma Ratera. ICMA-B-CSIC / Spain.

12:30-12:50 **O-1.3** “Recent Progress on Graphene–Nanoparticle Hybrid Materials for Nanomedicine Applications”. Fevzihan Basarir. TUBITAK MRC / Turkey.

12:50-13:10 **O-1.4** “Alginate/magnetic graphite bionanocomposites for drug delivery applications”. Margarita Darder. ICMM-CSIC, Madrid / Spain.

13:10-13:30 **O-1.5** “Development of hierarchically structured nanofibers for controlled release of active agents”. Giuseppino Fortunato. Empa, Swiss FLMTR / Switzerland.

13:30-13:50 **O-1.6** “Hybrid and Biohybrid Layered Double Hydroxides for environmental applications2”. Christine Mousty. ICCF UMR 6296 / France.

13:50 Lunch

15:30 **Keynote-2** : “Smart mesoporous silica nanoparticles for medical applications ” **Alejandro Baeza**. Universidad Complutense de Madrid-CIBER-BBN. (Spain) .

### Oral Session 2 Chair: Dani Ruiz

16:30-16:50 **O-2.1** “Biodegradable bridged- silsesquioxane and Periodic Mesoporous Organosilica Nanoparticles”. Chiara Mauriello Jimenez. Institut Charles Gerhardt Montpellier / France.

16:50-17:10 **O-2.2** “Hybrid mesoporous silica nanoparticles with catechol-based coatings as novel controlled delivery carriers and sacrificial templates”. Fabiana Nador. ICN2 / Spain.

17:10-17:30 **O-2.3** “pH-operated hybrid silica nanoparticles with cytotoxic stopper for autonomous and multi-drug delivery”. Carole Carcel. ENSCM / ICGM (Montpellier) / France.

17:50-18:10 **O-2.4** "Commercial application of hybrid clay polymer nanocomposites in water treatment". Giora Rytwo. Tel Hai/MIGAL / Israel .

18:10-18:30 **O-2.5** "Bioresponsive hybrid magnetic core-silica shell nanoparticles for theranostic applications". Damien Mertz. IPCMS CNRS UMR 7504 – UNISTRA / France.

18:30-19:30 Coffee Break + Poster session 2

21:00 Workshop dinner (Hotel Campus UAB)

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## 9th June 2015

9:00 **Keynote-3** : *"Preclinical development of novel nanomedicines and the use of in vivo optical imaging"*. **Ibane Abasolo**. Hospital de la Vall d'Hebron, CIBBIM, Nanomedicine (Spain)

### Oral Session 3 Chair: Anna Laromaine

10:00-10:20 **O-3.1** *"Fluorescence Imaging Nanoplatforms: Playing Deeper Through a Smart Use of Light"* Dirk Ortgies. UAM / Spain.

10:20-10:40 **O-3.2** *"Metal oxide nanoparticles: the multimodal imaging of their interaction with cells and multi cellular organisms: qualitative and quantitative approaches"*. Marie-Helene Delville. ICMCB/CNRS (Bordeaux) / France.

10:40-11:00 **O-3.3** *"Nanostructuring hybrid materials to be used as neural electrodes: Electrodeposition of Hybrids of IrOx-CNT IrOx-graphene and IrOx-conducting polymers"*. N. Casañ-Pastor. ICMAB-CSIC / Spain.

11:00-11:20 **O-3.4** *"Photocatalytic luminescent TiO2/SiO2 nanoparticles therapy"*. Susanne Koch. Fraunhofer ISC Würzburg / Germany.

11:20 Coffee Break

### Oral Session 4 Chair: Fernando Novio

11:50-12:10 **O-4.1** *"Design of magnetic nanoparticles for cancer therapy and diagnosis"*. Gorka Salas. IMDEA Nanociencia / Spain.

12:10-12:30 **O-4.2** *"Biosensing with Nanoporous functionalized Gold"*. D. Francesco Turci. University of Torino - Dip. Chimica / Italy.

12:30-12:50 **O-4.3** *"Cellulose microspheres for biomedical applications"*. Pedro Fardim. Åbo Akademi University / Finland.

12:50-13:10 **O-4.4** *"Copper Curcuminoids Containing Anthracene Groups: Fluorescent Molecules with Cytotoxic Activity"*. Núria Aliaga-Alcalde. ICMAB-CSIC / Spain.

13:10-13:30 **O-4.5** *"Supporting the Design of Efficient Nanocarriers with Molecular Modeling: some Examples"*. Andrea Danani. SUPSI / Switzerland.

13:30 Farewell and Poster award

14:00 Lunch

15:00-17:00 COST Core Group Meeting