

VII Workshop CBN'15

October 15, 2015

Dept. of Chemical and Biomolecular Nanotechnology

SESSION I

9:00 – 9:20 Opening Remarks: Dr. Jordi Esquena (Head of the CBN Dpt).

Chairman: Dr. Jordi Esquena

9:20 – 9:55 Plenary 1: Dr. Ramon Crehuet. What are Intrinsically Disordered Proteins and why are they challenging. Dpt of Biological Chemistry and Molecular Modelling, IQAC-CSIC.

9:55 - 10:20 Flash Presentations.

Time	Presenting author	Group	Title
9:55 – 10:00	S Pérez	NAC	Modulation of the stability of i-motif structures using an acyclic threoninol cytidine derivative
10:00 – 10:05	L Sánchez-Cid	TC	New Tumor Photodynamic Therapy Agent
10:05 – 10:10	T Flores	QS	Influence of crosslinking agent and pH on PAMcoVP hydrogels
10:10 – 10:15	M Homs	QCI	Phase behaviour around the HLB temperature: microemulsion characterization in a technical grade nonionic surfactant system
10:15 - 10:20	M Broto	Nb4D	Immunochemical detection of penicillins by using biohybrid magnetic particles

10:20 – 11:15 Coffee break + POSTER SESSION

SESSION II

Chairman: Prof. Conxita Solans

11:15 – 11:50 Plenary 2: Dr. Rafael Muñoz-Espí. Colloids, Polymers, and Inorganics: A Ménage à Trois in Nanoparticle Synthesis. Institut de Ciència dels Materials, Universitat de València, Max Planck Institute for Polymer Research, Mainz, Germany.

11:50 – 12:50 Oral Presentations.

Time	Presenting author	Group	Title
11:50 – 12:10	M Monge	QCI	Interaction of PLGA Nanoparticles with human plasma proteins
12:10 – 12:30	M Guerra	TC	Glioblastoma, Stem Cells and Therapy
12:30 – 12:50	S Grijalvo	NAC	Cationic Niosomes within Supramolecular Hydrogels as Novel Drug Delivery Systems for Oligonucleotides

13:00 PHOTO (CID garden).

13:00 – 15:00 Lunch Time.

SESSION III

Chairman: Prof. Jerónimo Blanco

15:00 – 15:35 Plenary 3: Dr. Salvador Borrós. Challenges in the development of a technological base Start Up. The example of Sagetis Biotech. Grup d'Enginyeria de Materials (GEMAT) Institut Químic de Sarrià, Universitat Ramon Llull.

15:35 – 16:15 Oral Presentations.

Time	Presenting author	Group	Title
15:35 – 15:55	J Ramon	Nb4D	Design and evaluation of an electrochemical point of care (POC) immunosensor for the diagnosis of sepsis of respiratory origin due to Pseudomonas aeruginosa
15:55 – 16:15	Y Beldengrün	QS	Formation of responsive gelatin microgels using water-in-water emulsions

16:15 – 16:25 Break (time to decide awarded Oral and Posters Presentations)

16:25 – 16:35 Oral and Posters Presentations Awards

16:35 – 16:45 Concluding Remarks: Prof. Ramon Eritja

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POSTER PRESENTATIONS

1. **Modulation of the stability of i-motif structures using an acyclic threoninol cytidine derivative.**
S. Pérez-Rentero, R. Gargallo, C. González, R. Eritja.
2. **New Tumor Photodynamic Therapy Agent.**
L. Sánchez-Cid, D. T. Jayaram, S. Ramos-Romero, B. H. Shankar, C. Garrido, N. Rubio, J. Blanco, D. Ramaiah.
3. **Influence of crosslinking agent and pH on PAMcoVP hydrogels**
T. Flores, J. Esquena, A. C. Lara-Ceniceros.
4. **Phase behaviour around the HLB temperature: microemulsion characterization in a technical grade nonionic surfactant system.**
M. Homs, D. Morales, C. Solans.
5. **Immunochemical detection of penicillins by using biohybrid magnetic particles.**
M. Broto, S. Matas, R. Babington, M. P. Marco, R. Galve.
6. **Phase behaviour study in a water/technical grade nonionic surfactant/oil system around the hydrophile-lipophile-balance (HLB) temperature.**
M. Homs, D. Morales, C. Solans.
7. **Phase Behavior of a Diglycerol-based Surfactant: Formation of Stable Nanostructured Dispersions Mediated by a Polymeric Stabilizer.**
J.R. Magaña, C. Solans
8. **Nucleic Acids for Biomedical Applications.**
A. Aviñó, C. Sánchez, M. Oroval, L. Carrascosa, R. Martínez-Máñez, L. Lechuga and R. Eritja