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STINT

The Swedish Foundation for International
Cooperation in Research and Higher Education

3rd STINT Workshop on Cell-Biomaterials Interface

18th-21st August 2013

Wellcome Trust Conference Centre – Hinxton, UK



Sunday 18th August	
17:00 - 19:00	Arrival at the conference centre and check in
20:00	Dinner
21:30	Introduction – Julien Gautrot
Monday 19 th August	
07:30 - 09:00	Breakfast
09:00	Roberto Dias Lins Neto "Bridging the time and dimension scales in carbohydrate simulations"
09:30	Discussion
10:00	Thereza Soares "Bacterial Membranes: Chemotypes, Cations and Polymorphism"
10:30	Discussion
11:00	Coffee break
11:30	Roberta Pereira Dias "Exploring Some Structural Properties of LPS membranes through MD simulations" Gabriel Costa Alverni da Hora "The Effect of Antimicrobial Peptide Concentration on Phospholipid Bilayers" Frederico José de Santana Pontes "Assessing lipid A membrane structure and phase transition dependence as a function of acyl chain variability and cation complexation"
12:15	Discussion
12:45	Lunch
14:00 - 15:30	Free time
15:30	John Connelly "Directing cell adhesion and migration with micro-patterned and photo-activated polymer brushes"
16:00	Discussion
16:30	Tea and biscuits
17:00	Armando del Rio "How do cells sense and interpret mechanical forces?"
17:30	Discussion
18:00	Emil Alexov "Computing Zeta-potential of irregularly shaped biological objects using DelPhi"
18:30	Discussion
19:30	Dinner

Tuesday 20 th August	
07:30 - 09:00	Breakfast
09:00	Alexandre Jose Macedo "Natural products as strategy to inhibit bacterial adhesion and biofilm formation"
09:30	Discussion
10:00	Danielle da Silva Trentin "Tannins: from Brazilian medicinal plants to antibiofilm and surface coating agents"
10:15	Discussion
10:30	Coffee break
11:00	Julien Gautrot "Multiscale geometrical control of cell behaviour"
11:30	Discussion
12:00	Mahentha Krishnamoorthy "Developing cationic nanoparticles for gene delivery" Burcu Colak "Peptide-based hydrogels via thiol-ene chemistry"
12:30	Discussion
13:00	Lunch
14:00 - 15:30	Free time
15:30	Madeleine Ramstedt "Understanding and preventing bacterial colonization of surfaces"
16:00	Discussion
16:30	Tea and biscuits
17:00	Olena Rzhepishevka "Attachment of rough LPS mutants to polymers - insight into surface-surface interaction" Rohit Ruhel "An integrated approach to evaluate surface properties of LPS mutants of Pseudomonas aeruginosa and E coli in relation to biofilm formation" Shoghik Hakobyan "Ga(III)-Hydrazone Complexes as Antibiofilm Complexes"
17:45	Discussion
19:30	Dinner
Wednesday 21 st August	
07:30 - 09:00	Breakfast
10:00	Check out