



Swiss Soft Days 8 Geneva

June 1, 2012
10am – 6pm

University of Geneva – Sciences II
30 quai Ernest-Ansermet CH-1205 Geneva

Jean Fréchet

UC Berkeley

Emanuela Del Gado

ETH Zürich

Carlos Marques

CNRS Strasbourg

Givaudan

CUO
CONFÉRENCE UNIVERSITAIRE
DE SUISSE OCCIDENTALE



UNIVERSITÉ
DE GENÈVE

FACULTÉ DES SCIENCES
SECTION DE CHIMIE ET BIOCHIMIE

<http://swisssoftdays.ethz.ch>

PROGRAMME

10:00- -10:25	Registration and coffee break		Main hall of Sciences II
10:25- -10:30	Prof. Corinne Vebert UNIGE	Welcome message Lecture hall J.-C. Galissard de Marignac – A300	
SESSION 1 – SUPRAMOLECULAR CHEMISTRY			
Chairman: Dr Plinio Maroni , UNIGE			
10:30- -11:10	Invited lecture Prof. Jean Fréchet UC Berkeley, USA	Molecular design of functional macromolecules: The importance of functionality, topography, and topology	
11:10- -11:30	Kasper Renggli University of Basel, Switzerland	Controlled radical polymerization in protein nanoreactors and with native enzymes	
11:30- -11:50	Patric Baumann University of Basel, Switzerland	Nanoreactors for <i>in situ</i> photodynamic therapy	
11:50- -12:10	Jonathan S. Sander ETH Zürich, Switzerland	Magnetically- and chemically-triggered release from microcarriers	
12:10- -14:00	Lunch and Poster Session		Cantine of Sciences II, main hall of Sciences III
SESSION 2 – SOFT MATTER			
Chairman: Dr Andreas Zumbuehl , UNIGE			
14:00- -14:40	Invited lecture Prof. Emanuela Del Gado ETH Zürich, Switzerland		
14:40- -15:00	Dr Chaoxu Li ETH Zürich, Switzerland	Biodegradable nanocomposites of amyloid fibrils and graphene with shape-memory and enzyme sensing properties	
15:00- -15:20	Prof. Pablo Domínguez-García UNED Madrid, Spain	Field-induced aggregation and thermal disaggregation of charged superparamagnetic micro-particles in water suspension	
15:20- -15:40	Dr Prashant Sinha University of Geneva, Switzerland	Predicting the stability ratios of colloidal suspensions in 1:1, 1:2, 1:3 and 1:4 aqueous electrolytes through direct force measurements	
15:40- 16:10	Coffee break		Main hall of Sciences II
SESSION 3 – DISORDERED SYSTEMS			
Chairman: Prof. Corinne Vebert , UNIGE			
16:10- -16:50	Invited lecture Prof. Carlos Marquès CNRS Strasbourg, France	Lipid bilayers under stress: from polymer pressure to photo- induced oxidation	
16:50- -17:10	Dr Norbert Stoop HAW Zürich, Switzerland	Morphogenesis of thin bodies under spatial constraints	
17:10- -17:30	Dr Giuliano Zanchetta University of Fribourg, Switzerland	Yield conditions: A matter of debate	
17:30- 17:50	Dr Bettina Steinmann Swiss Chemical Society	The Division of Polymers and Colloids of the Swiss Chemical Society: A short introduction	
17:50- -18:00	Dr Andreas Zumbuehl UNIGE	Closing remarks	