



## Bio-materials: synthesis and characterization School

21–22 March 2018

Conference hall

Faculty of chemistry and pharmacy, Sofia University "St. Kliment Ohridski"

### Program

#### Wednesday, 21<sup>st</sup> March

10:00	<b>Opening</b> – Peter Kralchevsky (Dean of the Faculty) and Georgi Vayssilov (Project coordinator)
10:10	Ismael Diez Perez – University of Barcelona, Spain “Single-molecule charge transfer characterization of complex biological architectures”
11:00	<b>Coffee break</b>
11:20	Svenja Morsbach – Max Plank Institute for Polymer Research, Germany “Characterization of nanocarriers in biological media”
12:10	<b>Break</b>
14:00	Sotiria Toumpaniary – University of Cambridge, UK “Ice-templated collagen scaffolds for tissue engineering applications”
14:50	<b>Coffee break</b>
15:10	David Ng – Max Plank Institute for Polymer Research, Germany “Polymer-Protein Hybrids as Multifunctional Biomaterials”
16:00	<b>Lab tour</b>

#### Thursday, 22<sup>nd</sup> March

10:00	Tobias Weidner – Max Plank Institute for Polymer Research, Germany “How to probe single layers of proteins at surfaces with high structural and temporal resolution using laser spectroscopy”
11:00	<b>Coffee break</b>
11:20	Jordi Poater- University of Barcelona, Spain “Computer-aided analysis of the structure and stability of B-DNA: towards the design of supramolecular self-assembling materials”
12:10	<b>Break</b>
14:00	Ivanka Tsakovska – Bulgarian Academy of Sciences, Bulgaria “In silico toxicology: methods and applications”
14:50	<b>Coffee break</b>
15:10	Alba Nin-Hill - University of Barcelona, Spain “Unraveling Brain Diseases Using QM/MM Methods: Catalytic Study of $\beta$ -glycosidases”
16:00	<b>Individual discussions</b>

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