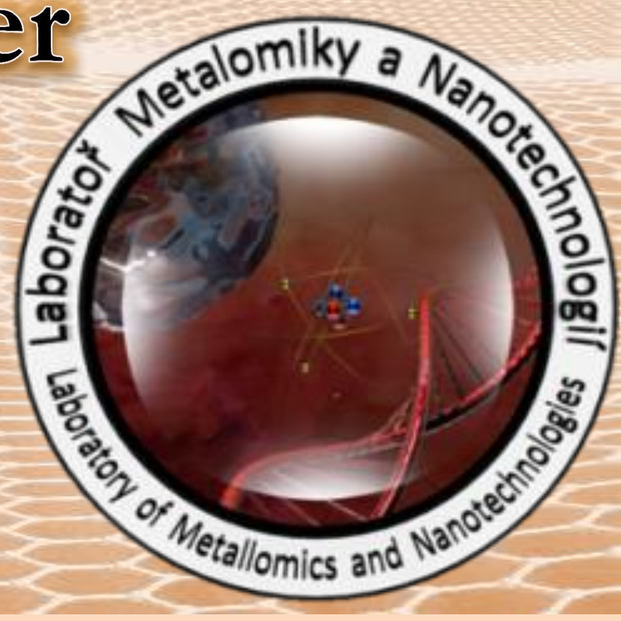
Sensor, Information and Communication Systems

Centrum senzorických, informačních a komunikačních systémů -SIX

CZ.1.05/2.1.00/03.0072

SIX research centre

Carbon based materials on the border between chemistry and biology



Program
23rd March 2015

09:00 – 09:20 Study of the interaction of graphene oxide with selenite anion using DPV
Monika Kremplová

09:20 – 09:40 Electrochemical ana-lysis of graphen oxide forms on microelectrodes
Michal Žůrek

10:00 – 10:20 Preparation of graphene oxide and magnetic particles composite
Vedran Milosavljevic

10:20 – 10:40 MWCNT oxidation in acidic solutions
Pavel Kopel

10:40 – 11:00 Characterization of carbon quantum dots by capillary electrophoresis with laser-induced fluorescence detection
Markéta Vaculovičová

11:00 – 11:20 Study of the interaction of graphene oxide with chromate anion using AAS
Renáta Kenšová

12:20 – 12:40 Peptide modified carbon nanotubes for drug delivery
Sylvie Skaličková

12:40 – 13:00 The use of MWCNT in anitcancer drug delivery
Amitava Moulick

13:00 – 13:20 Carbon nanomaterials as promising platform for target delivery of cytostatics
Zbyněk Heger

14:00 – 14:20 Influence of modification of working electrode with GO for adenine analysis
Jana Vlachová

14:20 – 14:40 Interaction of carbon quantum dots and DNA
Vedran Milosavljevic

14:40 – 15:00 Modification of anti-DNA antibodies with carbon quantum dots
Simona Dostálová

15:00 – 15:20 The substitution of organic matrices by carbon nanomaterials for MALDI-TOF MS analyses of low molecular weight analytes like glutathione
Roman Guráň

15:40 – 16:00 Antimicrobial effect of carbon nanomaterials on *Staphylococcus aureus*
Dagmar Chudobová

16:20 – 16:40 The comparison of toxicity between bacterially biosynthesized QDs and carbon QDs in earthworms
Markéta Komínková

Mendel University in Brno
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