

Call for participation  
**One-day Czech-Japan Workshop on**



## Nanoparticles for Bio-Applications

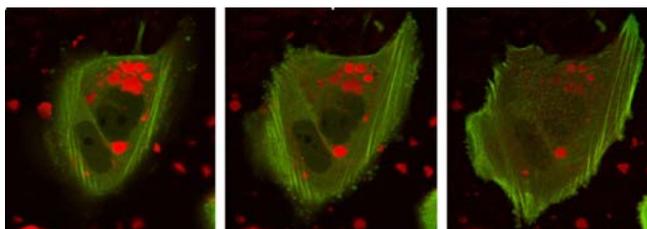
Workshop organized in the framework of the Czech-Japan project Kontakt II  
**September 11<sup>th</sup>, 2015**, from 9:30 to approx. 15:00

*Biomedical Center, Faculty of Medicine in Pilsen, Charles University,  
Alej Svobody 1655/76, Pilsen, seminar room (2<sup>nd</sup> floor)*

### *Annotation*

Artificial nanoparticles are interesting for different applications in physics and biomedicine. They are produced by various techniques, either by the top-down approach (disintegration of bulk materials) or the bottom-up synthesis from chemical precursors. Both the production technology and special characterization techniques are still subjects of extensive interdisciplinary research. Potential application in biology and medicine includes fluorescent labels and markers, drug carriers, cell scaffolds, targeted sensors, photosensitizers etc. Nanomaterials suitable for bioapplications should be non-toxic, easily functionalized, biodegradable etc. Special attention is devoted to abundant materials like carbon (nanodiamonds, carbon-dots, nanotubes) or silicon (nanocrystals and nanowires).

This workshop aims to bring together researchers from physics, chemistry, biology and medicine who are interested to develop and apply nanomaterials (especially silicon and carbon-based nanostructures). It should build up new interdisciplinary collaboration and bring new ideas for future development.



### **Call for presentations**

Colleagues willing to present a talk have to submit a title with author names and affiliations to Jan Valenta. **Deadline August 20, 2015.**

Only oral presentations are expected. The time slot for one presentation will be around 30 min including discussion (please, allow enough time for discussions - an important aspect of the workshop). Excursion into new facilities of Biomedical center will be organized during the meeting.

**Participation** is open to the whole academic community and it is free of charge.

**Language:** English

### **Organizers:**

Marie Hubálek Kalbáčová, mkalb@lf1.cuni.cz, tel. +420 224 967 155  
Jan Valenta, jan.valenta@mff.cuni.cz, tel. +420 221 911 272