



## 09/12/2015 Nanobio-

# сытес ми technology A35 Room 211 beginning at 9:00 Workshop

### PROGRAM

Petr Skládal: Introduction - Nanobiotechnology Core Facility at CEITEC

Jan Přibyl: Use of atomic force microscopy for mapping nanomechanical properties of live cells

coffee break

Antonín Hlaváček: Nanoparticles for detection of biomolecules

Veronika Horňáková: Atomic force microscopic imaging of nucleic acids, biocomplexes, and nanoparticles

#### lunch break

#### **Become familiar with:**

- scanning probe microscopies for advanced imaging of single biomolecules and cells
- affinity interactions at the molecular level
- preparation, bioconjugation and application of nanoparticles
- ink-jet technique for microchips

#### **Registration** HERE





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Guido Caluori: In vitro integrated systems for single cardiac muscle cells investigation

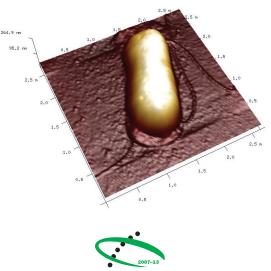
**Martin Pešl:** Cardiomyocyte force-frequency phenotype by atomic force microscopy

#### coffee break

Jaroslav Turánek: Nanoparticle-based drug delivery systems for anticancer drugs and vaccines

Matěj Pastucha: Ink-jet based deposition and microarrays

visit at the core facility laboratories (optional)



**OP Research and** Development for Innovation

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