



09/12/2015

CEITEC MU

A35 Room 211
beginning at 9:00

Nanobio- technology Workshop

PROGRAM

Petr Skládal: Introduction - Nanobiotechnology
Core Facility at CEITEC

Jan Příbyl: 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

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)

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](#)

