

dr Roman Vitter z University of Latvia

Title: Functional Nanostructures for Optical Biosensing (sde:36823W0)

Lecture 1. Introduction to optical biosensors

- Introduction to optical measurement methodologies
- Introduction to main biosensor parameters
- Forming of bioselective layer on top of optical transducer

Lecture 2. Metal nanoparticles and conductive polymers for optical biosensors

- Fabrication
- Functionalization
- Measurement methodology

Lecture 3. Metal oxides for optical biosensors

- Metal oxides for optical biosensors
- Fabrication
- Functionalization
- Measurement methodology

Lecture 4 Project writing, project management, dissemination of results and carrier development

- strategy for preparation for good project
- project management
- preparation of good paper and conference poster
- carrier development plan

zmiana terminów:

godziny	pon.	wt.	śr.	czw.	pt.
8:30 - 15:00	11.03.2019	12.03.2019	13.03.2019	14.03.2019	15.03.2019
sala	308SE	308SE	308SE	308SE	308SE