

**SYLICA LECTURE:****Nanomaterial based electrochemical sensor platforms  
for biosensing application**

You are cordially invited to the lecture delivered by

**Prof. Arzum Erdem Gursan**

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Izmir, Turkey

**WHEN:** 25/06/2013, 10 a.m.

**WHERE:** seminary room A11/235, University Campus Bohunice

**Abstract:**

DNA sensing strategies have recently been varied with the number of attempts at the development of different biosensor devices based on nanomaterials, which will further become DNA microchip systems. The investigations at the side of material science in connection with electrochemical biosensors open new directions for detection of specific gene sequences, and nucleic acid-ligand interactions. An overview will be presented about nanomaterial-based electrochemical DNA sensing strategies principally performed for the analysis of specific DNA sequences and the quantification of nucleic acids.