



UNIVERSITÀ
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Dottorato di Ricerca Internazionale in Scienze Chimiche

Si comunica che, nell'ambito delle attività seminariali del Dottorato di Ricerca,

Dr. Christina Liedert

VTT TECHNICAL RESEARCH CENTRE OF FINLAND Ltd
Biosensors
Oulu, Finland

Giovedì 7 novembre 2019, ore 16:50

terrà,

presso l'**Aula A** del Dipartimento di Scienze Chimiche, il seminario dal titolo:

“High-volume fabrication of biosensors”

L'organizzatore del seminario

Prof. Giuseppe Spoto

Il Coordinatore del Dottorato

Prof. Salvatore Sortino

Il Direttore del Dipartimento

Prof. Roberto Purrello



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Dr. Christina Liedert has a doctoral degree from biotechnology. She works as Senior scientist at VTT Finland where her research focuses on development and manufacturing of biosensors for environmental monitoring and health care applications. Currently she manages multidisciplinary teams developing electrochemical sensors and microfluidic devices for nucleic acid detection and single cell analytics. She has 14 peer-reviewed publications, tens of other scientific publications and 5 patents.

High-volume fabrication of biosensors

At some point of biosensor development there comes a time when manual fabrication of sensors is not enough. This presentation aims to give an overview on different high-volume manufacturing methods for biosensor fabrication, and highlight their benefits and disadvantages. The methods are illustrated using case examples for photonic, electrochemical and nucleic acid amplification sensors.