



FACULTY OF SCIENCE  
Charles University

School of Chemistry, Faculty of Science,  
Charles University invites for the lecture

# Quo Vadis Chemie

## A Bioorganometallic Journey from Peptide Bioconjugates to Novel Metal-based Antibiotics



which will be delivered by

**Professor Nils Metzler-Nolte**

Department of Chemistry,  
Ruhr-University Bochum, Germany

**on March 11, 2019 at 15:00**

the Lecture Hall CH2 at the School of Chemistry, Faculty of Science, Hlavova 8

This lecture will highlight various synthetic strategies to obtain bioactive metal-peptide bioconjugates that have been developed in our group, and will present some exemplary biomedical applications of such metal complexes and metal-peptide conjugates. Potent novel anticancer agents based on a number of different metals such as Fe, Ru, Re, and Au were developed and in-depth tested for their antiproliferative activity against a range of different cancer cells. Also presented will be novel organometallic-peptide conjugates with very potent antibacterial activities that even surpass that of a last-resort antibiotic, vancomycin.

