



FACULTY OF SCIENCE  
Charles University

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

# Quo Vadis Chemie

## New vistas in cobaltocenium chemistry



which will be delivered by

**Professor Benno Bildstein**

Institute for General, Inorganic and Theoretical Chemistry, University of Innsbruck

**on October 21, 2019 at 15:00**

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

Ferrocene chemistry is well established whereas the chemistry of isoelectronic cobaltocenium salts is still rather underdeveloped, due to synthetic difficulties caused by the deactivating positive charge of cobaltocenium salts. However, with our newly developed methods, functionalized cobaltocenium derivatives are now accessible and can be exploited further as useful, air-stable, redox-responsive, polar synthons in ligand design and coordination chemistry, redox and electrochemistry, catalytic applications, and bioorganometallic chemistry. An overview of our work in these areas and an outlook on future metallocenium chemistry will be given in this lecture.

