



FACULTY OF SCIENCE
Charles University

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

Quo Vadis Chemie

Illuminating Metal Complexes: From Synthesis to Practical Applications



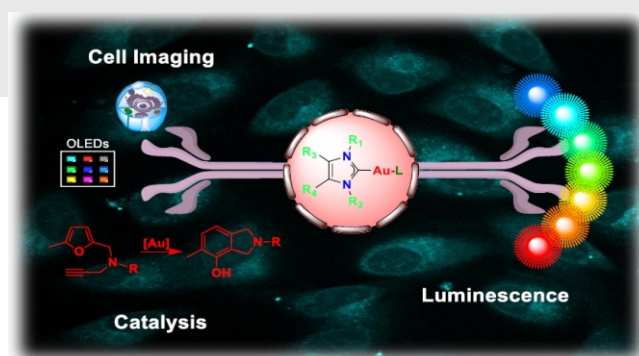
which will be delivered by

Professor M. Concepción Gimeno

Department of Inorganic Chemistry,
University of Zaragoza, Spain

on May 13, 2024 at 14:50

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



The development of gold complexes has been greatly influenced by the discovery of their properties, which play a pivotal role in diverse fields, such as organic synthesis, materials science, and medicine. One crucial aspect of this progress is the design of ligands, which has proven instrumental in stabilizing and enhancing the properties of the complexes. In this context, we will explore the synthesis of metal complexes with great versatility, employing ligands with distinct donor centers to fine-tune their fluorescence or phosphorescence nature, quantum yield and emission energy. These luminescent complexes may facilitate the visualization of their localization within cells, providing essential information about their mechanism of action. This makes them valuable as theranostic agents or potential photosensitizers in photodynamic therapy.