

【无机化学论坛】Catalytic Metallodrugs

报告人: **Peter J. Sadler** 教授

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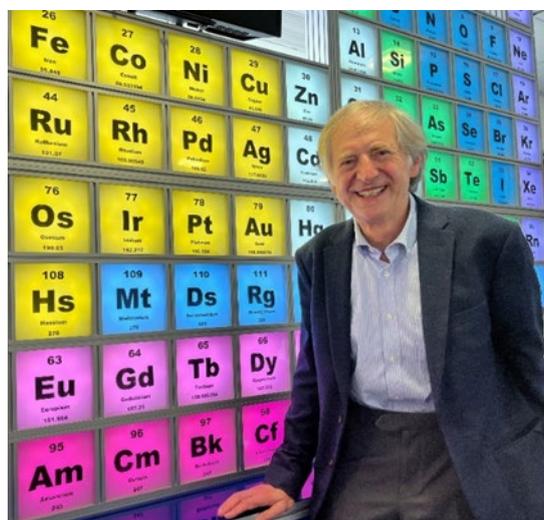
地点: 北京大学化学学院 C 区 101 大教室.

Catalytic Metallodrugs

报告摘要

I will discuss the role of metallomics in the design of catalytic metal complexes as novel drugs with new mechanisms of action. The mechanisms will include redox catalysis and transfer hydrogenation, molecular motors, and photocatalysis. Challenges include the controlled activation of produgs, and the demonstration of in-cell catalysis. Our studies illustrate the crucial roles of the metal, its oxidation state, the coordinated ligands, and the coordination geometry

Peter J. Sadler: Brief CV



Peter J. Sadler obtained his BA, MA and DPhil at the University of Oxford. Subsequently he was a Medical Research Council Research Fellow at the University of Cambridge and National Institute for Medical Research.

From 1973-96 he was Lecturer, Reader and Professor at Birkbeck College, University of London, and from 1996-2007 held the Crum Brown Chair of Chemistry at the University of Edinburgh. In 2007, he took up a Chair in Chemistry at the University of Warwick as Head of Department, where he is now a Professor.

He is a Fellow of the Royal Society of Chemistry, the Royal Society of Edinburgh, and the Royal Society of London, and an EPSRC RISE Fellow (Recognising Inspirational Scientists and Engineers). He is also a Fellow of the European Academy of Sciences, and an Honorary Fellow of the Chemical Research Society of India, and the Chinese Chemical Society. He was awarded the Royal Society 2022 Davy Medal, and 2022 Royal Society of Chemistry Dalton Horizon Team Prize.