# POM-BASICS Summer School

## "Polyoxometalate Chemistry for Fundamentals and Applications"

*La Rochelle-France, June 13-15th 2022*

## Session 6 - POMs and the biological world

## PART-2: POM biological activity (antiviral, -tumoral, -bacterial) and metalloenzyme mimics

**Trainer: Ulrich Kortz (Bremen, Germany)**

### Abstract of the course:

In the second part of the lecture, the interactions between different classes of polyoxometalates and biomolecules, including their model systems, will be discussed. The techniques which are frequently used to study binding and the reactivity of POMs towards biomolecules will be highlighted. These will include SDS PAGE chromatography, Circular Dichroism Spectroscopy, Tryptophan Fluorescence Spectroscopy, multinuclear and multidimensional NMR techniques etc. The goal of the lecture will be to uncover approaches that can be applied to gain deeper understanding of POM biological activity on a molecular level.