



Workshop - Vibrational Spectroscopy of Proteins

The twinning program **Timb³** of **ITQB-NOVA** (Lisbon), **CIRMMP** (Florence), and **TU Berlin** (Berlin) has organized a workshop on **Vibrational Spectroscopy of Proteins**. The theoretical part of the workshop (**22nd – 23rd March 2021**) will take place as webinar, focusing on vibrational spectroscopic approaches to elucidate structure-dynamics-function relationships in proteins and enzymes. **Master/PhD students, Postdoc and PI researchers**, aiming to familiarize with the theoretical aspects of vibrational spectroscopic techniques are welcome. The **hands-on training** in the practical part (**25th – 26th March**) will take place in Berlin for a limited number of students. Details at <https://www.timb3.eu/>

Free Registration at: workshop.timb3@chemie.tu-berlin.de

Webinar Program (45 min talk + 15 min discussion)

22nd March			
9:00 – 9:30	Opening of the workshop	Prof. P. Hildebrandt	TU Berlin, Germany
9:30 – 10:30	Introduction to Vibrational Spectroscopy	Prof. A. Barth	Stockholm University, Sweden
10:30 – 11:30	Infrared Difference Spectroscopy	Dr. T. Kottke	University Bielefeld, Germany
11:30 – 11:45	Coffee Break		
11:45 – 12:45	Theoretical approaches to Vibrational Spectroscopy	Prof. M.A. Mroginski	TU Berlin, Germany
12:45 – 13:30	Lunch Break		
13:30 – 14:30	Resonance Raman Spectroscopy	Prof. G. Smulevich	University of Florence, Italy
14:30 – 15:30	Surface Enhanced (Resonance) Raman Spectroscopy	Prof. I. M. Weidinger	TU Dresden, Germany
15:30 – 16:00	Coffee Break		
16:00 – 17:00	Nuclear resonance vibrational spectroscopy	Prof. S.P. Cramer	SETI institute, USA
17:00 – 18:00	Vibrational Circular Dichroism Spectroscopy	Prof. T.A. Keiderling	University of Illinois, USA
	Communications for the next day		

23rd March			
9:30 – 10:30	Spectroelectrochemistry	Prof. K. Vincent	University of Oxford, UK
10:30 – 11:30	Time-Resolved RR/IR Spectroscopy	Dr. M. Horch	FU Berlin, Germany
11:30 – 11:45	Coffee Break		
11:45 – 12:45	Femtosecond Stimulated Raman Spectroscopy	Prof. J.T.M. Kennis	VU University Amsterdam, the Netherlands
12:45 – 13:30	Lunch Break		
13:30 – 14:30	Spectroscopy and Crystallography	Prof. J. Heberle	FU Berlin, Germany
14:30 – 15:00	Concluding Remarks	Prof. P. Hildebrandt	TU Berlin, Germany
	Communications for Experimental Activities		