
Ultrafast Microspectroscopy of Molecular Systems Group (RNDr. Pavel Malý, Ph.D.)

Pavel Malý's group focuses on the development of **new methods of optical spectroscopy with high spatial and temporal resolution**. The primary application of this research is the transfer of excitation energy in biological molecular systems such as photosynthetic antennas. These new methods enable, for example, the measurement of sensitive biological samples, ideally under native conditions.

The researchers are collaborating with international research teams from the **Universities of Würzburg** and **Ottawa** and the **Technical University of Munich**. Within their home faculty, the group benefits from close collaboration with Tomáš Maňchal's group.

Pavel Malý specializes in measuring energy transfer in individual photosynthetic antennae. He earned his Ph.D. from **Vrije Universiteit Amsterdam** and Charles University. He served as a postdoctoral researcher at the **University of Würzburg** (Alexander von Humboldt Research Fellowship) and, thanks to a **Marie Skłodowska-Curie Action grant**, returned to the Faculty of Mathematics and Physics at Charles University in late 2021. He now leads his own research group.

Photo: T. Rubín