CURRICULUM VITAE

Name: **PAVEL MALÝ**

Affiliation: Assistant professor
Faculty of Mathematics and Physics, Charles University,
Ke Karlovu 5, 121 16 Prague

Contact: email: maly@karlov.mff.cuni.cz, tel.: +420 95155 1316

ORCID: 0000-0001-9244-9718

Web: https://www.researchgate.net/profile/Pavel_Maly3, http://biophysics.mff.cuni.cz/Pavel_Maly

RESEARCH INTERESTS

- Optical ultrafast nonlinear spectroscopy and single-molecule spectroscopy
- Excitation energy transfer and charge separation in molecular systems
- Protein dynamics and structure-function relationship
- Theory of open quantum systems

PROFESSIONAL EXPERIENCE

01/09/2021 – **MSCA research fellow**

Petr Heřman group

Faculty of Mathematics and Physics, Charles University, Prague

01/11/2019 – 31/08/2021 – **Humboldt postdoctoral research fellow**

15/11/2018 – 31/10/2019 **Postdoctoral researcher**

Tobias Brixner group

Institut of Physical and Theoretical Chemistry, University of Würzburg, Germany

EDUCATION

15/11/2014 - 11/10/2018, joint **Ph.D.** in Biophysics, awarded **Cum Laude** (VU) and **with honors** (CU)

Charles University (CU), Prague, Czech Republic and Vrije Universiteit (VU), Amsterdam, Netherlands

Thesis: *Role of system-bath interaction timescale in photosynthetic excitation energy transfer*

Supervisors: Tomáš Mančal (CU) and Rienk van Grondelle (VU)

PhD study based on agreement between the CU and VU on a joint supervision;
3 years at the VU (experimental part), 1 year at the CU (theoretical part).

26/09/2012 - 02/06/2014 **M.Sc.** (Mgr.) in Physics, spec. Optics and Optoelectronics, **with honors**

Faculty of Mathematics and Physics, Charles University in Prague, Czech Republic

Thesis: *Single-molecule spectroscopy of photosynthetic antenna systems*

Supervisor: Tomáš Mančal

07/09/2009 -19/06/2012 **B.Sc.** (Bc.) in Physics, **with honors**

Faculty of Mathematics and Physics, Charles University in Prague, Czech Republic

Thesis: *Comparison of perturbative and non-perturbative approaches to optical spectroscopy*

Supervisor: Tomáš Mančal

PAST EXPERIENCE

- Student experimental project: Generation of fourth harmonic frequency, Faculty of Mathematics and Physics, Charles University in Prague, 2011
- Semester of MSc study at Vrije Universiteit Amsterdam, Erasmus program, 2013/2014

PRIZES AND AWARDS

- Marie Skłodowska-Curie Individual Research Fellowship, 2021-2023
- Humboldt Research Fellowship for Postdoctoral Researchers, 2019-2021
- Best diploma thesis in Spectroscopy award, Czech Spectroscopic Society, 2014
- Best poster award at conferences:
  QuEBS 2015, QuEBS 2018, Ultrafast Phenomena 2018, Optical Probes 2019
- Georg Placzek scholarship for interdisciplinary research (Jan Hus Educational Foundation), 2010-2012

TEACHING EXPERIENCE

- Teaching Electrodynamics and Special Relativity, Vrije Universiteit Amsterdam, tutorial in years 2015-17
- Teaching Physical Chemistry lab practicals for Masters and Bachelors, Universität Würzburg, 2019, 2020, 2021
- Teaching Quantum Optics, Charles University, Prague, tutorial in 2021/2022

SUPERVISION AND MENTORING

- Two Bachelor students, **Thomas van Dooren** and **Weiyi Ding**, Vrije Universiteit Amsterdam, both defended in 2017
- Exchange student, **Anna Zhitnitsky**, University of Würzburg/University of British Columbia, 2019, project 'Deep learning for excited state parameter estimation from two-dimensional electronic spectra'
- PhD student co-supervision, **Julian Luettig**, University of Würzburg, 2019-2020, manuscript 'Anisotropy in Exciton–Exciton Interaction Two-Dimensional Spectroscopy', published in J. Chem. Phys.
- PhD student co-supervision, **Hans-Peter Solowan**, University of Würzburg, 2019-2020, manuscript 'Direct comparison of molecular-beam versus liquid-phase pump-probe and two-dimensional spectroscopy on the example of azulene', published in Chem. Phys.
- MSc student co-supervision, **Neli Streshkova**, Charles University, defended in 2022

MEMBERSHIPS

Member of the Optical Society of America (OSA)

RESEARCH TRACK RECORD

(according to Web of Science, as of July 2022)

Number of publications in scientific journals: 26

Number of citations (excluding self-citations): 297

h-index: 12

Presentations: >22 conference talks and posters, 4 invited talks

ACADEMIC SERVICE

Chairing conference sessions:

CIFAR Bio-Inspired Solar Energy program meeting, Montreal, 2016; DPG spring meeting, Rostock, 2019

Reviewer for journals:

Nature Chem., Chem. Sci., J. Phys. Chem. Lett., Opt. Expr., Opt. Lett., Molecules, IJMS, J. Chem. Phys., …

Reviewer for organizations:

ELI Beamlines, NRF (National Research Foundation)