

Miss Eliška Trsková

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EDUCATION:

- PhD study – **Plant Physiology - University of South Bohemia** (2015- present). Topic: NPQ Mechanism in algae studied in proteo-liposomes, supervisor: Dr. Radek Kaňa
- Master study of **Genetics - University of South Bohemia** (2013-2015). Topic: Mechanism of photoprotection in photosynthetic proteins, supervisor: Dr. Radek Kaňa.
- Bachelor study **Biological chemistry - Johannes Kepler University Linz, Austria** (2010-2013). Topic: Purification of isotopically labeled PsbP from *Spinacia oleracea*.
- Bachelor study of **Biological chemistry - University of South Bohemia** České Budějovice, Czech Republic (2010-2013). Topic: Organic pollutants in constructed wetlands

ABROAD STAYS, CONFERENCES AND COLLABORATIONS:

- **Chromera meeting**, České Budějovice: Poster: Non-photochemical quenching in isolated complexes of *Chromera velia*: the role of pH *in vitro* (2014)
- **Prof. Alexander Ruban laboratory** - Queen Mary university of London - 2 weeks, September 2014
- International **Bachelor program of Biological Chemistry** in Linz, Austria – three semesters in Austria (between 2010-2013)

WORKING EXPERIENCE AND FELLOWSHIPS

- **Research assistant**, Department of Autotrophic Microorganisms, Laboratory of Photosynthesis, The Czech Academy of Sciences (2014 – present)
- **Involvement in the project of Czech Science foundation**: „*Mobility of photosynthetic proteins*“ (Member of the team), GAČR P501-12-0304
- Obtained **Registration fee waiver** for The 17th International Congress on Photosynthesis Research, Maastricht, Netherlands, (2016)
- **Rectors award for outstanding results** – university of South Bohemia (2015)
- **Top-up Scholarship of Excellence** (Innovatives Oberösterreich 2010 PLUS), 2013

PUBLICATIONS:

- West, R., **Trsková, E.**, et al. (2016), Spectroscopic properties of the triple bond carotenoid alloxanthin, Chem. Phys. Lett. accepted
- Kaňa, R., **Trsková, E.**, et al. (2016), Violaxanthin inhibits nonphotochemical quenching in light-harvesting antennae of *Chromera velia*. *FEBS Letters* **590**, 1076-1085

SCIENTIFIC INTERESTS AND SKILLS:

I implemented various biochemical methods (Ion exchange chromatography, Gel permeation chromatography, Sucrose gradient centrifugation, Isoelectric focusing, Gel electrophoresis etc.) to characterize NPQ mechanism in algae and I am currently involved in assembling a proteo-liposome platform for the study of NPQ in isolated light-harvesting proteins from algae.