

CV of Ivan Kulich

Academic record

2014 – present: 3 year post-doctoral grant [14-27329P](#) from GACR focusing on the trichome morphogenesis

2013- Finished the PhD thesis focusing on the multiple functions of the plant exocyst complex,

2011 - [GAUK project 658112](#) focusing on the exocyst complex in the trichome morphogenesis

2008: participating at grant [GAAV KJB 600380802](#), [EMBO Short term fellowship](#), and visit in Tel Aviv University

2007- 2013: PhD studies at Faculty of Natural Sciences of Charles University, biology studies, focusing at plant molecular and cellular biology, visit of collaborative laboratory at Oregon State University

2006: participating at grant [MSMT ME841](#)

2002 -2007: Faculty of Natural Sciences of Charles University, biology studies, focusing at plant molecular biology, finished master degree

1998 – 2002: Secondary school V.B.Nedožerského in Prievidza, class with extended education of mathematics and natural sciences.

1990 – 1998: basic school Rastislavova 13 in Prievidza, class with extended education of natural sciences.

1984 – born in Bojnice, Slovakia

Teaching activities

2012-present: [lecture the Plant Physiology course](#) at the Faculty of Natural Sciences of Charles University, both Czech and English parallels, 50% of all lectures.

2011-present: participating at plant molecular biology practical course

2012-present: Supervised 3 bachelor students, 3 master students and 1 Ph.D. student (finishing in 2016 or 2017).

Publications

Pečenková, T., Sabol, P., **Kulich, I.**, Ortmannová, J., and Žárský, V. (2016). Constitutive Negative Regulation of R Proteins in Arabidopsis also via Autophagy Related Pathway? *Front. Plant Sci.* 7.

Kulich, I., Vojtková, Z., Glanc, M., Ortmannová, J., Rasmann, S., and Žárský, V. (2015). Cell wall maturation of Arabidopsis trichomes is dependent on exocyst subunit EXO70H4 and involves callose deposition. *Plant Physiol.* 168, 120–131.

Plant Physiology cover: <http://www.plantphysiol.org/content/168/1/local/front-matter.pdf>

Kulich, I., and Žárský, V. (2014). Autophagy-Related Direct Membrane Import from ER/Cytoplasm into the Vacuole or Apoplast: A Hidden Gateway also for Secondary Metabolites and Phytohormones? *Int. J. Mol. Sci.* 15, 7462–7474.

Rybak, K., Steiner, A., Synek, L., Klaeger, S., **Kulich, I.**, Facher, E., Wanner, G., Kuster, B., Zarsky, V., Persson, S., et al. (2014). Plant Cytokinesis Is Orchestrated by the Sequential Action of the TRAPP1 and Exocyst Tethering Complexes. *Dev. Cell* 29, 607–620.

Žárský, V., **Kulich, I.**, Fendrych, M., and Pečenková, T. (2013). Exocyst complexes multiple functions in plant cells secretory pathways. *Curr. Opin. Plant Biol.* 16, 726–733.

Drdová, E.J., Synek, L., Pečenková, T., Hála, M., **Kulich, I.**, Fowler, J.E., Murphy, A.S., and Žárský, V. (2013). The exocyst complex contributes to PIN auxin efflux carrier recycling and polar auxin transport in Arabidopsis. *Plant J.* 73, 709–719.

Kulich, I., Pečenková, T., Sekereš, J., Smetana, O., Fendrych, M., Foissner, I., Höftberger, M., and Žárský, V. (2013). Arabidopsis Exocyst Subcomplex Containing Subunit EXO70B1 Is Involved in Autophagy-Related Transport to the Vacuole. *Traffic* 14, 1155–1165.

Cvrckova, F., Grunt, M., Bezdova, R., Hala, M., **Kulich, I.**, Rawat, A., and Zarsky, V. (2012). Evolution of the Land Plant Exocyst Complexes. *Front. Plant Sci.* 3.

Pečenková, T., Hála, M., **Kulich, I.**, Kocourková, D., Drdová, E., Fendrych, M., Hana, T., and Žárský, V. (2011). The role for the exocyst complex subunits Exo70B2 and Exo70H1 in the plant–pathogen interaction. *J. Exp. Bot.*

Kulich, I., Cole, R., Drdová, E., Cvrčková, F., Soukup, A., Fowler, J., and Žárský, V. (2010). Arabidopsis exocyst subunits SEC8 and EXO70A1 and exocyst interactor ROH1 are involved in the localized deposition of seed coat pectin. *New Phytol.* *188*, 615–625.

