

Curriculum vitae

Martin Potocký

Born January 10, 1977, Nové Město na Moravě, Czech Republic

Married, two children

Experience

- 2010-present* Researcher, Laboratory of cell biology, Institute of Experimental Botany, Academy of Sciences of the Czech Republic, Prague.
- 2012* Visiting scientist (6 months), Benedikt Kost group, Department of Biology, Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany.
- 2007-2010* Postdoc, Laboratory of cell biology, Institute of Experimental Botany, Academy of Sciences of the Czech Republic, Prague.
- 2005* Short-term stay (3 weeks), Jan Derksen group, Department of Experimental Botany, University of Nijmegen, Nijmegen, Netherlands.
- 2004-2007* Research assistant, Laboratory of cell biology, Institute of Experimental Botany, Academy of Sciences of the Czech Republic, Prague.
- 2004* Short-term stay (3 weeks) Irene Lichtscheidl group, Department of Department of Ecology and Conservation Biology, University of Vienna, Vienna, Austria.
- 2003* EMBO Practical Course on “Molecular and Cellular Basis of Plant Development”, Gulbenkian Biology Courses, Oeiras, Portugal. 30 March-17 April, 2003.
- 2001-2004* Research assistant, Viktor Žárský group, Department of Experimental Plant Biology, Charles University, Prague.
- 2001* FEBS Advanced Course On: "Lipid-Mediated Signalling in Cellular Functions", Santa Maria Imbaro, Italy.
- 1998* Scientific stay (3 months), Kjetill Østgaard group, Department of Biotechnology, NTNU - Norwegian University of Science and Technology, Trondheim, Norway.

Education

- 2007* PhD in biochemistry, Department of Biochemistry and Microbiology, Institute of Chemical Technology, Prague. PhD thesis "Phospholipase D signaling pathways in plant cell polarity".
- 2000-2007* Graduate student in Olga Valentová group, Department of Biochemistry and Microbiology, Institute of Chemical Technology, Prague
- 2000* Master degree in Biochemistry Summa cum laude, Department of Biochemistry and Microbiology, Institute of Chemical Technology, Prague. Diploma thesis “Secondary alcohol dehydrogenase isolated from novel Antarctic bacteria”.
- 1995-2000* Study of chemistry, Institute of Chemical Technology, Prague.

Grants and Awards:

- 2013-2016* Principal Investigator - Grant GACR No. 13-19073S (Grant Agency of the Czech Republic), Multiscale analysis of signalling phospholipids and their interaction protein partners in the regulation of plant tip growth, EUR 290 000.
- 2012* EMBO short-term fellowship grant (Regulation of pollen NADPH oxidase by Rac/Rop GTPases, EUR 8 000)

- 2009-2012 Co-Principal Investigator – Grant GAAV No. IAA601110916 (Grant Agency of the Academy of Sciences of the Czech Republic), Phosphatidic acid and diacylglycerol-mediated signalling in the polar growth of plant cells, EUR 148 000.
- 2009-2011 Principal Investigator - Grant GACR No. 522/09/P299 (Grant Agency of the Czech Republic), Characterization of NADPH oxidase from tobacco pollen and its role in regulation of polar cell expansion, EUR 39 000.
- 2004 Principal Investigator - Grant FRVS No. 320144014 (Ministry of Education, Youth and Sports), Molecular identification and characterisation of PLD isoforms in plants, EUR 6 000.
- 2004 Best Poster Award - 14th Congress of the Federation of European Societies of Plant Biology, 2004, Cracow, Poland.
- 2000 Dean's Award for outstanding Master Thesis - “Purification and characterisation of secondary alcohol dehydrogenase from novel Antarctic bacteria”.

Invited presentations: seminars, symposia and courses (last 5 years)

- “Membrane targeting of the exocyst complex”, Prague Membrane Discussions, Prague, Czech Republic, November 24th, 2016.
- “Computational structural biology of peripheral membrane proteins and its application in plant science”, Methods in Plant Sciences, Seč, Czech Republic, October 21st, 2014.
- “Lipid signaling in the establishment and propagation of plant tip growth”, Estación Experimental del Zaidín, Granada, Spain, November 8th, 2012.
- “Role of minor membrane lipids in plant cell polarity”, Friedrich-Alexander-Universität Erlangen-Nürnberg, Cell Biology Division, Erlangen, Germany, March 23rd, 2012.

Oral presentations: meetings (last 5 years)

- “Multifaceted Role of Phosphatidic Acid in Plant Polar Growth – A Quick Overview”, Gordon Research Conference on "Plant Lipids: Structure, Metabolism, and Function", Houston, USA, January 2015.
- “Phosphatidic acid produced by distinct phospholipase D isoforms regulates endomembrane trafficking in tip-growing tobacco pollen tubes”, Annual Meeting of the Society for Experimental Biology, Manchester, UK, July 2014.

Teaching

Plant Cell Biology, Fall semester 2010-2015, Department of Experimental Plant Biology, Faculty of Science, Charles University (1/3 of the course)

Graduate student trainees

- 2010-2014 Roman Pleskot (The role of signaling phospholipids in the regulation of plant polar growth, PhD 2014)
- 2011-2016 Nemanja Vukasinovic (Co-advisor, Functions of exocyst complex in secretion and cell wall *biogenesis*)
- 2014- Juraj Sekereš (Functional characterization of Sec5 and selected Exo70 subunits of exocyst complex in *Arabidopsis*)

Bibliometrics

22 impacted original research papers, 7 impacted review papers, 3 book chapters

H-index 15

WOS citations 742