

CURRICULUM VITAE (February 12, 2020)

Prof. RNDr. Jozef ŠAMAJ, DrSc.

Affiliation: Department of Cell Biology, Centre of the Region Haná for Biotechnological and Agricultural Research, Faculty of Science, Palacký University Olomouc

Date and place of birth: October, 3rd, 1964, Považská Bystrica, Slovak Republic

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Education: RNDr. in General Biology, Faculty of Natural Sciences, Comenius University Bratislava (1989); CSc. in Plant Physiology, Faculty of Natural Sciences, Comenius University Bratislava (1993); Habilitation in Botany, University of Bonn, Germany (2004); DrSc. in Biology, Slovak Academy of Sciences, Bratislava (2009); Professor of Botany, Palacký University Olomouc (2009).

Employment: Department of Plant Physiology, Comenius University Bratislava, Assistant professor (1993-1996); Institute of Plant Genetics and Biotechnology in Nitra, Slovak Academy of Sciences, Junior and Senior independent researcher (1997-2002); Institute of Cellular and Molecular Botany, University of Bonn, researcher, Docent and group leader (2003-2009); Faculty of Science, Palacký University in Olomouc, Professor of Botany and Department leader at CRH (from 2010 till now).

Main research orientation: plant molecular cell biology (main focus on mitogen-activated protein kinases, cytoskeleton and vesicular trafficking); advanced (light-sheet and super-resolution) microscopy on living and fixed plants; proteomics; biotechnology.

Teaching: 2 lectures “Introduction to Developmental and Cell Biology” and “Molecular Plant Cell Biology” (UP Olomouc), theoretical and practical GFP and confocal microscopy courses including lectures, seminars and lab work (UP Olomouc before at University of Bonn), seminars for PhD, master and bachelor students (UP Olomouc, before at University of Bonn), lecture Plant Cell Dynamics (University of Bonn), practical courses of Plant Cytology, Plant Anatomy and Plant Physiology (UK Bratislava), altogether 28 semesters at 3 universities (Bratislava, Bonn, Olomouc), 8 PhD students, 8 master students.

Publications: 6 books and monographs (5 of them in Springer); 1 textbook; 20 book chapters; 172 papers published (142 original papers and 30 reviews, opinions and research updates)

Numbers of papers in selected high-impact journals: journals with IF > 9 (22 papers) and with IF > 4 (63 papers); Annu Rev Plant Biol (1), Nature Plants (1), EMBO J (2), Nature Protocols (2), Dev Cell (1), Trends Cell Biol (3), Trends Plant Sci (5), Biotech Adv (5), Mol Plant (2), Plant Cell (4), COPB (1), Plant Physiol (14), Mol Cell Proteomics (1), Plant J (6), New Phytol (5), Sci Rep (2), Front Plant Sci (15), J Prot Res (4), J Proteomics (4), Proteomics (1), JBC (1), Bioessays (1), Dev Biol (1), Biol Cell (1), PLoS ONE (2), J Exp Bot (3), Plant Cell Physiol (4), BMC Plant Biol (2), Plant Mol Biol (1), EJC (2), Planta (2).

Citations: 6343 (WOS, all Databases), without self citations: 5621; H-index 44; Total publications 250; Citing articles 4247, without selfcitations 4104; Average Citations per item 25,37

International experience: 1 year postdoc, EU project Eurosilva, Universite Paul Sabatier, Toulouse, France (1993-1994); 3 years postdoc at the Institute of Botany, University of Bonn, Germany, including Alexander von Humboldt Fellowship (1996-1999); 3 years postdoc at the Institute of Microbiology and Genetics, University of Vienna, including EU Marie Curie individual research

fellowship (1999-2002), 7 years stay as researcher, docent and group leader, Institute of Cellular and Molecular Botany, University of Bonn, Germany (2003-2009).

Grants and projects: EU structural grant “Centre of the Region Haná for Biotechnological and Agricultural Research” (leader of the research program Plant Biotechnology and head of the Department of Cell Biology); principal investigator or team member in 20 national (GAČR) and international projects (DFG/DAAD/AvH in Germany, APVV/Vega in Slovakia); research coordinator and co-principal investigator of EU grant “Plants as a tool for sustainable global development”

Honors: Country Representative of the Czech Republic in the International Plant Proteomic Organization (INPPO); Top scientist in the biology in the Slovak Republic (Academic Rating Agency ARRA); Academician of the Learned Society of Slovakia

Editor: *Frontiers in Plant Science*, *Plant Signaling and Behavior*

Guest Editor: *New Biotechnology*

Reviewer: *Trends Plant Sci*, *Mol Plant*, *Plant Cell*, *Plant Biotech J*, *Plant Phys*, *Plant J*, *J Exp Bot*, *Front Plant Sci*, *Plant Mol Biol*, *Sci Rep*, *J Prot Res*, *J Proteomics*, *BBA*, *J Biotech*, *BMC Plant Biol*, *Ann Bot*, *J Plant Physiol*, *J Histochem Cytochem*, *Plant Sci*, *Plant Biol*, *Planta*, *Plant Cell Rep*, *Protoplasma*, *Plant Physiol Biochem*, *Am J Bot*, *Biol Plant*, *PCTOC*, *Cytoskel*, *Plant Signal Behav*.

National Science Foundation (NSF, USA), *Deutsche Forschungsgemeinschaft* (DFG, Germany)

Selected representative publications:

Samakovli D, Tichá T, Vavrdová T, Ovečka M, Luptovčiak I, Zapletalová V, Kuchařová A, Křenek P, Krasnylenko Y, Margaritopoulou T, Roka L, Milioni D, Komis G, Hatzopoulos P, Šamaj J (2020) *Molecular Plant*, published online, doi:10.1016/j.molp.2020.01.001.

Takáč T, Pechan, T, Šamajová O, Šamaj J (2019) *Frontiers in Plant Science* 10:89.

Komis G, Šamajová O, Ovečka M, Šamaj J (2018) *Annual Review of Plant Biology* 69, 237-265

Ovečka M, von Wangenheim D, Tomančák P, Šamajová O, Komis G, Šamaj J (2018) *Nature Plants* 4, 639-650

Komis G, Novák D, Ovečka M, Šamajová O, Šamaj J (2018) *Plant Physiology* 176, 80-93

Novák D, Vadovič P, Ovečka M, Šamajová O, Komis G, Colcombet J, Šamaj J (2018) *Frontiers in Plant Science* 9:371.

Takáč T, Šamajová O, Luptovčiak I, Pechan T, Šamaj J (2017) *Molecular & Cellular Proteomics* 16, 1591-1609

Takáč T, Vadovič P, Pechan T, Luptovčiak I, Šamajová O, Šamaj J (2016) *Scientific Reports* 6:28306.

Novák D, Kuchařová A, Ovečka M, Komis G, Šamaj J (2016) *Frontiers in Plant Science* 6:1187

Komis G, Šamajová O, Ovečka M, Šamaj J (2015) *Trends in Plant Science* 20: 834-843

Ovečka M, Vaškebová L, Komis G, Luptovčiak I, Smertenko A, Šamaj J (2015) *Nature Protocols* 10, 1234-1247

Komis G, Mistrík M, Šamajová O, Ovečka M, Bartek J, Šamaj J (2015) *Nature Protocols* 10, 1248-1263

Ovečka M, Takáč T, Komis G, Vadovič P, Bekešová S, Doskočilová A, Smékalová V, Luptovčiak I, Šamajová O, Schweighofer A, Meskiene I, Jonak C, Křenek P, Lichtscheidl I, Skultety L, Hirt H, Šamaj J (2014) *Journal of Experimental Botany* 65, 2335-2350

Smékalová V, Luptovčiak I, Komis G, Šamajová O, Ovečka M, Doskočilová A, Takáč T, Vadovič P, Novák O, Pechan T, Ziemann A, Košútová P, Šamaj J (2014) *New Phytologist* 203, 1175-1193

Takáč T, Šamajová O, Vadovič P, Pechan T, Košútová P, Ovečka M, Husičková A, Komis G, Šamaj J (2014) *Journal of Proteome Research* 13, 5347-5361

Komis G, Mistrík M, Šamajová O, Doskočilová A, Ovečka M, Illés P, Bártek J, Šamaj J (2014) *Plant Physiology* 165, 129-148

Smékalová V, Doskočilová A, Komis G, Šamaj J (2014) *Biotechnology Advances* 32, 2-11

Šamajová O, Komis G, **Šamaj J** (2013) Trends in Plant Science 18, 140-148
Šamajová O, Plíhal O, Al-Yousif M, Hirt H, **Šamaj J** (2013) Biotechnology Advances 31,118-128
Beck M, Komis G, Ziemann A, Menzel D, **Šamaj J** (2011) New Phytologist 189, 1069-1083
Beck M, Komis G, Müller J, Menzel D, **Šamaj J** (2010) Plant Cell 22, 755-771
Müller J, Beck M, Mettbach U, Komis G, Hause G, Menzel D, **Šamaj J** (2010) Plant Journal 61, 234-248
Šamaj J, Müller J, Beck M, Böhm N, Menzel D (2006) Trends in Plant Science 11, 594-600
Šamaj J, Read ND, Volkmann D, Menzel D, Baluška F (2005) Trends in Cell Biology, 15, 425-433
Šamaj J, Baluška F, Voigt B, Schlicht M, Volkmann D, Menzel D (2004) Plant Physiology 135, 1150-1161
Šamaj J, Ovecka M, Hlavacka A, Lecourieux F, Meskiene I, Lichtscheidl I, Lenart P, Salaj J, Volkmann D, Bögre L, Baluška F, Hirt H (2002) EMBO Journal 21, 3296-3306
Šamaj J, Peters M, Volkmann D, Baluška F (2000) Plant and Cell Physiology 41, 571-582
Šamaj J, Baluška F, Bobák M, Volkmann D (1999) Plant Cell Reports 18, 369-374
Šamaj J, Hawkins S, Lauvergeat V, Grima-Pettenati J, Boudet AM (1998) Planta 204, 437-443
Šamaj J, Bobák M, Blehová A, Křištín J, Auxtová-Šamajová O (1995) Protoplasma 186, 45-49