

Curriculum vitae

Roman Pleskot

Born April 22, 1984, in Pardubice, Czech Republic

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<http://www.ueb.cas.cz/en/content/laboratory-integrative-structural-biology>

Experience and education

- Since 2021:** Head of the Laboratory of Integrative Structural Biology, Institute of Experimental Botany, Prague, Czech Republic.
- 2017-2020:** Postdoctoral fellow in the Daniël Van Damme laboratory, VIB-UGent Center for Plant Systems Biology, Ghent University, Belgium
- 2014-2017:** Postdoctoral fellow in the Pavel Jungwirth laboratory (Institute of Organic Chemistry and Biochemistry) and the Martin Potocký laboratory (Institute of Experimental Botany), Prague, Czech Republic.
- 2016/11:** Short-term stay (1 week) in the laboratory of Prof. Shaul Yalovsky, Tel Aviv University, Israel.
- 2009-2014:** Postgraduate student in the laboratory of Prof. Viktor Žárský, Charles University in Prague, Czech Republic.
- 2011/4-5:** 5 weeks in the laboratory of Prof. Chris J. Staiger, Purdue University, USA.
- 2009/9-10:** 4 weeks in the laboratory of Prof. Chris J. Staiger, Purdue University, USA.
- 2003-2008:** Study of biochemistry *summa cum laude* at the University of Chemical Technology in Prague, Czech Republic.

Workshops and Training

- VIB Training - Situational leadership, Ghent, Belgium, 2020
- Protein-protein interactions versus ligand-receptor interactions, Ghent, Belgium, 2018
 - Single Molecule Approaches in Imaging, Ghent, Belgium, 2018
- Mass spectrometry data processing, Ghent, Belgium, 2018
- EMBO Practical Workshop – Biomolecular simulation, Paris, France, 2014.
- CECAM workshop - Coarse-Grained Biomolecular Modelling, Lausanne, Switzerland, 2011.
- Rosetta workshop, Nashville, Tennessee, USA, 2011.
- EBI - The Bioinformatics Roadshow, Prague, Czech Republic, 2010.
- Plant Bioinformatics, Systems and Synthetic Biology Summer School, Nottingham, UK, 2009.

Grants

2022 - 2026 Junior Star Project awarded by the Czech Science Foundation.

Other scientific contributions

- Mentoring bachelor, master and PhD students at the Ghent University, Belgium.
- Member of several PhD committees at the Ghent University, Belgium.
- Peer review reports completed for *Journal of Physical Chemistry*, *Frontiers in Plant Science*, *New Phytologist*, *Review Commons*, *eLife*, *Physical Chemistry Chemical Physics*, *Current Opinion in Plant Science*.
- Reviewer for *Agence nationale de la recherche*, France.
- Reviewer for the Charles University Grant Agency (GAUK), Czech Republic.

Awards and Fellowships

- 2014-2016: Postdoctoral fellowship of the Academy of Sciences of the Czech Republic.
- 2014: 1st Poster Award, DGZ International Meeting, Regensburg, Germany.
- 2009: Gordon Research Conference Travel Award.
- 2008: Dean's Award for outstanding studying results.
- 2007: New Phytologist Symposium Travel Grant.

Scientific outreach

Exhibition “Life Computationally”, Café Kabinet, Prague, Czech Republic, 2016.

Talk “Stories from the life of proteins and membranes - molecular simulations as a tool of modern biology” - Biological Thursdays at Viničná, Charles University in Prague, Czech Republic (in Czech).

Bibliometrics

22 impacted original research papers, 5 impacted review papers, 1 non-impacted review paper, 1 book chapter. **H-index:** 14, **WoS citations:** 618

List of publications in last 5 years

10. Scholz P., Pejchar P., Fernkorn M., Škrabálková E., **Pleskot R.**, Blersch K., Munnik T., Potocký M., Ischebeck T. (2022) DIACYLGLYCEROL KINASE 5 regulates polar tip growth of tobacco pollen tubes. *New Phyt.* 233(5):2185-2202.
9. Synek L. *, **Pleskot R.** *, Sekereš J. *, Serrano N., Vukašinović N., Ortmannová J., Klejchová M., Pejchar P., Batystová K., Gutkowska M., Janková-Drdová E., Marković V., Pečenková T., Šantrůček J., Žárský V., Potocký M. (2021) Plasma membrane phospholipid signature recruits the plant exocyst complex via the EXO70A1 subunit. *Proc. Natl. Acad. Sci. U. S. A.*, 118(15) e2023456118. ***Joint first author.**
8. Yperman K., Papageorgiou A. C., Merceron R., De Munck S., Bloch Y., Eeckhout D., Jiang Q., Tack P., Grigoryan R., Evangelidis T., Van Leene J., Vincze L., Vandenabeele P., Vanhaecke F., Potocký M., De Jaeger G., Savvides S. N.#, Tripsianes K.#, **Pleskot R.#**, Van Damme D.# (2021) Distinct EH domains of the endocytic TPLATE complex confer lipid and protein binding. *Nature Commun.*, 12:3050. #**Corresponding author.**
7. Noack L.C., Bayle V., Armengot L., Rozier F., Mamode-Cassim A., Stevens F. D., Caillaud M. C., Munnik T., Mongrand S., **Pleskot R.**, Jaillais Y (2021) A nanodomain-anchored scaffolding complex is required for the function and localization of phosphatidylinositol 4-kinase alpha in plants. *Plant Cell*, 34(1):302-332.
6. Wang J., Yperman K., Grones P., Jiang Q., Dragwidge J., Mylle E., Mor E., Nolf J., Eeckhout D., De Jaeger G., De Rybel B., **Pleskot R.#**, Van Damme D.# (2021) Conditional destabilization of the TPLATE complex impairs endocytic internalization. *Proc. Natl. Acad. Sci. U. S. A.*, 118(15) e2023456118. #**Corresponding author.**
5. Yperman K., Wang J., Eeckhout D., Winkler J., Vu L. D., Vandorpe M., Grones P., Mylle E., Kraus M., Merceron R., Nolf J., Mor E., De Bruyn P., Loris R., Potocký M., Savvides S. N., De Rybel B., De Jaeger G., Van Damme D.#, **Pleskot R.#** (2021) Molecular architecture of the endocytic TPLATE complex. *Sci Adv.*, 7(9):eabe7999. #**Corresponding author.**
4. Junková P., **Pleskot R.**, Prchal J., Sýs J., Ruml T. (2020) Differences and commonalities in plasma membrane recruitment of the two morphogenetically distinct retroviruses HIV-1 and MMTV. *J. Biol. Chem.*, 295(26):8819-8833.
3. Wang J., Mylle E., Johnson A., Besbrugge N., De Jaeger G., Friml J., **Pleskot R.**, Van Damme D. (2020) High temporal resolution reveals simultaneous plasma membrane recruitment of the TPLATE complex subunits. *Plant Phys.*, 183(3):986-997.
2. Wang P. *, **Pleskot R.** *, Zang J., Winkler J., Wang J., Yperman K., Zhang T., Wang K., Gong J., Guan Y., Richardson C., Duckney P., Vandorpe M., Mylle E., Fiserova J., Van Damme D., Hussey P. J. (2019) Plant AtEH/Pan1 proteins drive autophagosome formation at ER-PM contact sites with actin and endocytic machinery. *Nature Commun.*, 10(1):5132. ***Joint first author.**

1. Qi X., **Pleskot R.**, Irani N. G., Van Damme D. (2018) Meeting report - Cellular gateways: expanding the role of endocytosis in plant development. *J. Cell Sci.* 131(17):jcs222604.