Gergő **Pálfalvi**

Postdoctoral Fellow

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Personal Information

Name: **PÁLFALVI**, Gergő

Date of Birth: **22 February 1992**

Nationality: Hungarian

Education

The Graduate University for Advanced Studies, SOKENDAI — *Okazaki, Japan*

Doctor of Philosophy — *1 October 2015 - 31 September 2020*

University of Pecs — *Pecs, Hungary*

Master of Science, Biology — *1 September 2013 - 31 July 2015*

University of Pecs — *Pecs, Hungary*

Bachelor of Science, Biology — *1 September 2010 - 31 July 2013*

Work experience

National Institute for Basic Biology — *Okazaki, Japan*

Postdoctoral Fellow — *1 October 2020 - present*

- Constrained and Directional Evolution (http://constrained-evo.org/)

Teaching Experience

Student Seminar Committee Member for Freshamn Course — *Hayama, Kanagawa, Japan*

The Graduate University for Advanced Studies, SOKENDAI — *2017*

Organization of new generation sequencing, bioinformatics and statistics study groups

National Institute for Basic Biology — *2016 - present*

Awards and Grants

Visiting Researcher at National Institute for Basic Biology — *Hungary*

Campus Hungary Scholarship — *2013*

Visiting Researcher at National Institute for Basic Biology — *Japan*

NIBB Internship Program — *2014*

PhD position at National Institute for Basic Biology — *Japan*

The Ministry of Education, Culture, Sports, Science and Technology (MEXT) of Japan — *2015-2020*

Publications

- Rice, S, Fryer, E, Jha, SG, et al; The Plant Cell Atlas Consortium [incl. **Palfalvi, G**] (2020), First plant cell atlas workshop report. *Plant Direct*, **00** 1– 10
- Gu, N, Tamada, Y, Imai, A, **Palfalvi, G**, Kabeya, Y, Shigenobu, S, Ishikawa, M, Angelis, KJ, Chen, C, Hasebe, M (2020), DNA damage triggers reprogramming of differentiated cells into stem cells in Physcomitrella. *Nature Plants*, **6(9)** 1098–1105

- **Palfalvi, G**, Hackl, T, Terhoeven, N, Shibata, TF, Nishiyama, T, Ankenbrand, M, Becker, D, Förster, F, Freund, M, Iosip, A, Kreuzer, I, Saul, F, Kamida, C, Fukushima, K, Shigenobu, S, Tamada, Y, Adamec, L, Hoshi, Y, Ueda, K, Winkelmann, T, Fuchs, J, Schubert, I, Schwacke, R, Al, K, Schultz, J, Hasebe, M, Hedrich, R (2020), Genomes of the Venus Flytrap and Close Relatives Unveil the Roots of Plant Carnivory. *Current Biology*, **30(12)** 2312-2320
- Fukushima, K, Fang, X, Alvarez, D, Cai, H, Carretero, L, Chen, C, Chang, TH, Farr, KM, Fujita, T, Hiwatashi, Y, Hoshi, Y, Imai, T, Kasahara, M, Librado, P, Mao, L, Mori, H, Nishiyama, T, Nozawa, M, **Palfalvi, G**, Pollard, ST, Rozas, J, Sánchez, A, Sankoff, D, Shibata, TF, Shigenobu, S, Sumikawa, N, Uzawa, T, Xie, M, Zheng, C, Pollock, DD, Albert, VA, Li, S, Hasebe, M (2017), Genome of the pitcher plant Cephalotus reveals genetic changes associated with carnivory. *Nature Ecology & Evolution*, **1(3)** 1-9
- Zhang, Y, Li, C, Zhang, J, Wang, J, Yang, J, Lv, Y, Yang, N, Liu, J, Wang, X, **Palfalvi, G**, Wang, G, Zheng, L (2017), Dissection of HY5/HYH expression in Arabidopsis reveals a root-autonomous HY5-mediated photomorphogenic pathway. *PLoS One*, **12(7)** e0180449
- Li, C, Zheng, L, Zhang, J, Lv, Y, Liu, J, Wang, X, **Palfalvi, G**, Wang, G, Zhang, Y (2017), Characterization and functional analysis of four HYH splicing variants in Arabidopsis hypocotyl elongation. *Gene* **619** 44-49
- Szalontai, B, Stranczinger, S, **Palfalvi, G**, Mauch, B, Jakab, G (2012), The taxon-specific paralogs of grapevine PRLIP genes are highly induced upon powdery mildew infection. *Journal of Plant Physiology*, **169** 1767-1775

Conference posters and presentations

- **Palfalvi, G**, Hasebe, M (2018), Leaf fate determination in the carnivorous plant *Cephalotus follicularis*, Conference Poster for The 46th Naito Conference: Mechanisms of Evolution and Biodiversity, Hokkaido, Japan