

Curriculum Vitae

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Personal information

Date and place of birth: 29.10.1986, Miskolc, Hungary

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Career History:

2005-2010	University of Debrecen (Molecular biology, BSc and MSc)
2010-2014	PhD student, University of Debrecen, Juhász Nagy Pál Doctoral Program (Dissertation: Analysis of the hybridization processes of yeasts)
2014-2015	Research Assistant, University of Debrecen, Dept. of Genetics and Applied Microbiology
2015-2016	Post-Doctoral Researcher, University of Debrecen, Dept. of Biotechnology and Microbiology (in Postdoctoral Programme of the Hungarian Academy of Sciences)
2016-2017	Research Associate, University of Debrecen, Dept. of Biotechnology and Microbiology
2017-	Assistant Professor (tenured), University of Debrecen, Dept. of Biotechnology and Microbiology

Research Visits:

2011	1 week faunistic survey in Finnmark, organized by Midt-Troms Museum (Norway)
2012	4 months at University of Natural Resources and Life Sciences, with an Aktion Österreich-Ungarn project (Vienna, Austria)
2016	1 month at Harvard University, Dept. of Organismic and Evolutionary Biology, with fellowship from Harvard (Cambridge, MA, USA)
2017	2 weeks in Smithsonian Tropical Research Institute (Gamboa, Panama)
2017	1 week at Harvard University, Dept. of Organismic and Evolutionary Biology, with Harvard University Herbaria travel grant (Cambridge, MA, USA)

Research Activities:

1. Hybridization of *Saccharomyces* yeasts, University of Debrecen, Dept. of Genetics and Applied Microbiology, 2007-2014
2. Diversity of wine yeasts, University of Debrecen, Dept. of Genetics and Applied Microbiology, 2012-2014
3. Hybridization and evolution of *Metschnikowia* yeasts, University of Debrecen, Dept. of Genetics and Applied Microbiology, 2012-2014
4. Diversity of *Candida albicans* and *Saccharomyces* opportunistic pathogenic yeasts, University of Debrecen, Dept. of Biotechnology and Microbiology, 2015-
5. Taxonomy and evolution of insect parasitic fungi, Universität Debrecen, University of Debrecen, Dept. of Biotechnology and Microbiology, & Harvard University, Dept. of Organismic and Evolutionary Biology, 2014-
6. Faunistic research in Hungary and in the Mediterranean, 2011-

Described genera: 1; described species: 3.

Competitive Grants:

- 2016-2017 Personal fellowship and grant from the New National Excellence Program of Hungary (by: Ministry of Human Capacities, Hungary; sum: 14.680 €)
- 2017-2020 Co-Investigator, OTKA Project (*Genome chimerization in allopolyploid interspecific hybrids of yeasts*) (by: National Research, Development and Innovation Office, Hungary; sum: 114.570 €)
- 2017-2021 Co-Investigator, OTKA Project (*The roles of two bZIP transcription factors in governing oxidative stress responses in Aspergillus nidulans*) (by: National Research, Development and Innovation Office, Hungary; sum: 157.308 €)
- 2018 Project partner, Aktion Österreich-Ungarn Bilateral Cooperation Research Project (*The genetics of adaptation in pathogenic and commensal Saccharomyces yeasts*) (by: Aktion Österreich-Ungarn, Hungary/Austria; sum: 6.290 €)

Scholarships, Fellowships:

- 2007-2010 DETEP Talent Stipend at University of Debrecen, Hungary
- 2008-2010 Fellowship of the Republic of Hungary
- 2013-2014 Fellowship of the National Excellence Program of Hungary
- 2014-2016 Postdoctoral Fellowship of the Hungarian Academy of Sciences
- 2016 Albert Szent-Györgyi Young Investigator Award of the New York Hungarian Scientific Society
- 2016 Harvard University Herbaria Travel Grant (for 2017)
- 2016-2017 Grant and fellowship of the New National Excellence Program of Hungary
- 2017 Conference Travel Grant from Hungary Initiatives Foundation, USA
- 2017 Universitas Award of the University of Debrecen, Hungary

Skills:

PCR, Fingerprinting, Elektrokaryotyping, Cloning, Tetrade analysis, AFLP, Flow cytometry, mtDNA, Microscopy, Pathogenicity models, Micro- and Macrophotography, Bioinformatics, Phylogenetics, Mycology, Entomology, Windows, Microsoft Office, Image processing, Grant proposals, Driving licence, Laboratory Animal Science and Welfare B level certificate

Languages:

English (Intermediate C certificate, fluent in professional jargon)
 German (Advanced C certificate, fluent in professional jargon)
 Spanish (Beginner)
 Hungarian (mother language)

Scientometry:

Number of published and accepted peer-reviewed articles: 46
 Number of articles according to Scimago categories: Q1: 14; Q2: 11; Q3: 2; Q4: 4
 Impact factor: 65.184
 Independent citations: 98 (only in journals). All citations (Google Scholar): 260. h-index: 9

Speaker at conferences:

39th Annual Conference on Yeasts (Slovakia); CEWM 2015 (Hungary), Evolution 2017 (USA)

Membership in organizations:

Hungarian Microbiological Society (2009-)
 Hungarian Mycological Society (2018-)
 Hungarian Genetic Society (2011-)
 Friends of the Farlow (2017-)
 Pál Juhász-Nagy Doctoral School of the University of Debrecen (2018-)

Reviewer for:

Journals: *Acarologia*, *African Journal of Biotechnology*, *Journal of Basic Microbiology*, *Journal of Food Protection*, *Mycotaxon*, *Parasite*. Agencies: OTKA (Hungary), L'Agence nationale de la recherche (France)
 Publons link: <https://publons.com/author/668359/walter-p-pfliegler#profile>

Most important scientific cooperations (2013-2018):

1. Prof. Dr. Donald Pfister, Harvard University, Cambridge, MA, USA. 3 publications.
2. Dr. Ksenija Lopandic, University of Natural Resources and Life Sciences, Vienna, Austria. 3 publications.
3. Dr. Katja Sterflinger-Gleixner, University of Natural Resources and Life Sciences, Vienna, Austria. 2 publications.
4. Dr. Danny Haelewaters, Harvard University, Cambridge, MA, USA. 7 publications.
5. Prof. Dr. Kevin D. Hyde, World Agroforestry Centre, East and Central Asia, Kunming, Yunnan, People's Republic of China. 1 publication.
6. Prof. Dr. Matthias Sipiczki, University of Debrecen, Debrecen, Hungary. 10 publications.
7. Prof. Dr. István Pócsi, University of Debrecen, Debrecen, Hungary. 6 publications.

Experience in education:

University of Debrecen: Food Microbiology (BSc), Microbiology (BSc), Microbiology Practice (BSc), Microbial Physiology (MSc), Genetics Practice (BSc), Bioinformatics (BSc).
 Supervisor for theses: Biology MSc (3), Biotechnological Engineer BSc (1).
 Junior Bolyai Prize as mentor for a BSc student (2016, by National Research, Innovation and Development Office)
 Mentor in University of Debrecen Talent Program (2017-)

Others:

2007- Nature photography, nature photo and biodiversity blogging <http://naturephoto-walter.blogspot.hu/>
 2012-2015 Scientific journalist: mms.hu scientific news portal

Most important publications (2013-2018):

Sipiczki, M.; Horváth, E.; Pfliegler, W. P. (2018) Birth-and-death evolution and reticulation of ITS segments of *Metschnikowia andauensis* and *Metschnikowia fructicola* rDNA repeats. *Frontiers in Microbiology* 9: 1193.

Pfliegler, W. P.; Boros, E.; Pázmádni, K.; Jakab, Á.; Zsuga, I.; Kovács, R.; Urbán, E.; Antunovics, Zs.; Bácsi, A.; Sipiczki, M.; Majoros, L.; Pócsi, I. (2017) Commercial strain-derived clinical *Saccharomyces cerevisiae* can evolve new phenotypes without higher pathogenicity. *Molecular Nutrition & Food Research* 61(11): 1601099.

Haelewaters, D.; Pfliegler, W.P.; Szentiványi, T.; Földvári, M.; Sándor, A. D.; Barti, L.; Camacho, J. J.; Estók, P.; Hiller, T.; Dick, C. W.; Pfister, D. H. (2017) Laboulbeniales (Fungi, Ascomycota) ectoparasites of Central European bat flies (Diptera, Nycteribiidae): distributional data and host associations. *Parasites and Vectors* 10(96): 1-14.

Lopandic, K.; Pfliegler, W. P.; Tiefenbrunner, W.; Gangl, H.; Sipiczki, M.; Sterflinger, K. (2016) Genotypic and phenotypic evolution of yeast interspecies hybrids during high-sugar fermentation. *Applied Microbiology and Biotechnology* 100: 6331-6343.

Pfliegler, W. P.; Horváth, E.; Kállai, Z.; Sipiczki, M. (2014) Diversity of *Candida zemplinina* isolates inferred from RAPD, micro/minisatellite and physiological analysis. *Microbiological Research* 169(5-6): 402-410.

Debrecen, 18.06.2018.

Dr. Valter Péter Pfliegler