

Tanja Pyhäjärvi

Year of birth: 1980
Nationality: Finnish

ORCID iD: 0000-0001-6958-5172
Website: oulu.fi/pyhajarvilab

Education and degrees completed

22.5.2008, Doctor of Philosophy, University of Oulu, Finland
18.6.2003, Master of Science, University of Oulu, Finland
1.4.2013, Title of docent: population genomics, University of Oulu

Current position

1.11.2015 - 31.8.2020, Academy Research Fellow, University of Oulu, Finland

Previous work experience

1.9.2012 - 31.10.2015, Senior Research Fellow, University of Oulu, Finland
1.9.2010 - 31.8.2012, Postdoctoral researcher, University of California, Davis, USA
1.6.2008 - 30.4.2010, Postdoctoral researcher, University of Oulu, Finland
1.6.2003 - 31.5.2008, Early Stage Researcher, University of Oulu, Finland
2001 - 2003, Research Assistant, University of Oulu, Finland, part-time

Career breaks

28.10.2014 - 11.9.2015, Maternity leave
13.11.2008 - 28.9.2009, Maternity leave

Personal research funding and grants

2015 - 2020, Academy of Finland "Evolutionary consequences of haploid selection in gymnosperms" (PI) 855 249 €
2018 - 2021, H2020, "B4EST: Adaptive BREEDING for productive, sustainable and resilient FORESTs under climate change", (Partner PI and Task Leader), 192 650 € of total 6 000 000 €
2016 - 2020, H2020 "GenTree: Optimizing the management and sustainable use of forest genetic resources in Europe" (Partner PI) 199 000 € of total 7 986 748 €
2016 - 2019 Biocenter Oulu "Genomic and statistical analysis of genotype-phenotype relationships" (co-PI) 385 000 €
2018 - 2019, SNS-NKJ, "Genes4Change: Adaptation, mitigation and breeding of trees and crops for future climate" -network (Partner), ~200 000 SEK
2018 - 2020, KSLA, "FutureGenes: Resilient future forests via genomics of adaptation to climate in natural forests and breeding populations" (Partner), 2 000 000 SEK
2010 - 2012, Academy of Finland, Postdoctoral project, "Teosinte (*Zea mays* spp. *parviglumis*) population genomics", 97 000 €
2007, European Commission, EVOLTREE Mobility Grant, 7000 €

Leadership and supervision experience

PI in Academy Research Fellowship
Partner PI and Task Leader in H2020 project B4EST
Task and Species Leader in H2020 project GenTree

Co-PI in Biocenter Oulu

Main supervisor of post-doctoral researchers

Sonja Kujala, 1.1.2017 – 31.3.2017, Dario I. Ojeda Alayon, 1.4.2017 – 31.5.2018

Officially appointed primary post-graduate supervisor of

Jaakko Tyrmi, Sandra Cervantes

Officially appointed secondary post-graduate supervisor of

Tiina Mattila, (graduated 2017), Tuomas Toivainen (graduated 2014), Alina Niskanen (graduated 2014), Marja Heikkinen (graduated 2017)

Officially appointed secondary undergraduate supervisor of

Matti Salmela (graduated 2007), Annika Marjamäki (graduated 2014), Emmi Aikio, University of Oulu (graduated 2018)

Teaching experience

Major responsibility in designing and implementing teaching in

DNA Analysis in Population Genetics, 2012 - 2018, University of Oulu, Finland

Basics in Population Genetics, 2012 - 2014, University of Oulu, Finland

Basics of Bioinformatics, 2012 - 2014, University of Oulu, Finland

Human Genetics, 2012 - 2014, University of Oulu, Finland

Experience of organising scientific meetings

Main organizer of Workshop on Evolutionary, Developmental and Population Genetics, September 12 - 13, 2013, University of Oulu, Finland

Other key scientific or academic merits

Peer-review and pre-proposal evaluation for French National Research Agency (ANR)

Pre-examination of PhD thesis of Kean-Jin Lim, University of Helsinki, Finland

PhD committee member for Agathe Hurel, INRA-Université de Bordeaux, France

PhD committee member of Aude Rogivue, Swiss Federal Institute of Technology Zurich

Invited keynote lecture: "The beginning of speciation? Gene flow, local adaptation and divergence among plant populations" (Genomics of the speciation continuum, Fribourg, Switzerland 4 - 5.9. 2014)

2018 - 2021, A vice president of Publication Forum (JUFO) Panel 6, The Federation of Finnish Learned Societies

2018, A member of the Working group for open science and research, University of Oulu

Referee for the following journals: PNAS, Evolution, Molecular Biology and Evolution, Genetics, Genome Biology and Evolution, New Phytologist, American Journal of Botany, Molecular Ecology, Heredity, Biology Letters, BMC Evolutionary Biology, PLoS ONE, G3, Evolutionary Applications, Tree Genetics & Genomes, Theoretical and Applied Genetics, European Journal of Forest Research, Annales Botanici Fennici, Molecular Ecology Resources, PCI Evolutionary Biology, Trees, Silva Fennica, Trees

Memberships and positions of trust in scientific societies

1.1. 2019 - present, Associate Editor of Evolutionary Applications

1.12. 2018 - present, Recommender (Editor) in Peer Community in Evolutionary Biology

17.3.2016 - present, Deputy member in Advisory board of forest tree breeding and seed production, Ministry of Agriculture and Forestry, Finland