

A. CURRICULUM VITAE of Ari Pekka Mähönen

DEGREES

- 12.4.2006 Institute of Biotechnology, University of Helsinki, Finland
Degree: Doctor of Philosophy. Topic: Vascular development in *Arabidopsis thaliana* root
Major subjects: Plant molecular genetics, Developmental biology
- 7.9.1999 Department of Biochemistry and Biotechnology University of Kuopio, Finland
Degree: Master of Science. Major subject: Molecular biology

SCIENTIFIC CAREER TO DATE

- 19.8.2015- Adjunct Professor (dosentti) in Plant Developmental and Molecular Biology, University of Helsinki
- 1.9.2013-31.8.2018 Academy Research Fellow (Academy of Finland), Institute of Biotechnology / Department of Biosciences, University of Helsinki
- 1.1.2011- Research Group Leader, Institute of Biotechnology
- 1.10.2009-31.12.2010 Project leader, Institute of Biotechnology/ Dept. of Biosciences, University of Helsinki
- 1.4.2006-30.9.2009 Post doc in Utrecht University (with HFSP and EMBO postdoc grants), Department of Biology, The Netherlands, Ben Scheres lab
- 30.3.1999-31.3.2006 Graduate student in the Institute of Biotechnology, University of Helsinki, Yrjö Helariutta lab
- 1.6.1998-29.3.1999 Master's thesis work, University of Helsinki, Teemu Teeri lab

GRANTS

- ERC Consolidator Grant (2019-2023)
- Academy Project Funding (2018-2022)
- HiLIFE fellow grant (2017-2020)
- Academy of Finland Key project funding (2016-2018)
- Member of a CoE of the Academy of Finland (2014-19)
- Academy Research Fellowship, Academy of Finland (2013-2018)
- Three-year research grant of University of Helsinki (2011-2013)
- Postdoctoral Researcher's Project grant for establishing independent research project (Academy of Finland) (2009) for years 2010-12,
- Biocentrum Helsinki Start-up grant (2009) for year 2010
- Human Frontier Science Program (HFSP) long-term fellowship (2006) for years 2007-10
- European Molecular Biology Organization (EMBO) long-term fellowship (2006) for 2006

SCIENTIFIC EXPERT POSITIONS

Reviewer for international scientific journals: Nature: (2017, 2018); Science: (2015, 2016); eLife (2016), Development (2006, 2008, 2009, 2010, 2013, 2013, 2014, 2014, 2015, 2016, 2016, 2016; 2017); Current Biology (2011, 2014, 2015, 2017); Nature Plants (2015, 2017, 2018); PNAS (2018); PLoS Biology (2014, 2015); Plant Cell (2014, 2015, 2016, 2017, 2017); Current Opinion in Plant Biology (2015, 2016); PLoS Computational Biology (2015); PLoS Genetics (2016, 2017); Plant Physiology (2015, 2015, 2018); Plant Biotechnology Journal (2017); Developmental Biology (2016), New Phytologist (2015); Journal of Experimental Botany (2015, 2016, 2016, 2016); Physiologia Plantarum (2017); Planta (2018); Protoplasma (2013); Seminars in Cell and Developmental Biology

(2017); *Frontiers in Plant Science* (2013); *BMC Biology* (2013); *BMC Plant Biology* (2013); *Mechanisms of Development* (2012); *Plant & Cell Physiology* (2011); *PLoS one* (2011)

Editorial Board Member of *Scientific Reports* (7.4-15 →). **Editor** for the Growth and development section (Feb 2018) of *Current Opinion in Plant Biology* (together with Gwyneth Ingram)

Reviewer for grant proposals: Royal Society, UK (2015); German Research Foundation (DFG) (2012, 2012, 2018); Biotechnology and Biological Sciences Research Council, UK (BBSRC) (2017), The French National Research Agency (ANR) (2014; 2016); Israel Science Foundation (2018); Fonds Wetenschappelijk Onderzoek (FWO) (2014); Czech Science Foundation (2012; 2017); The Austrian Science Fund (FWF) (2007); Academy of Sciences of the Czech Republic (2005); ETH Zurich Research Commission (2015, 2017)

TRAINING/MENTORING ACTIVITIES

Supervised PhD theses: Riccardo Siligato (2016), Sedeer El-Showk (2016) (shared)

Ongoing supervision of graduate students: Gugan Eswaran, Xin Wang and Riikka Mäkilä

Pre-examiner for PhD thesis: Tommy Chan (2016), Pär Davidsson (2017), Yafei Zhao (2018)

Follow-up group member of graduate students: seven ongoing (two of them abroad), three graduated

Supervised Master theses: one ongoing, six graduated (two of them abroad)

Other: Supervised Erasmus students (three); trained technician students (five)

HONOURS AND AWARDS

- Scandinavian Plant Physiology Society (SPPS) Early Career Award (2015)
- The Finnish Academy of Science Award for outstanding doctoral dissertation (2006)
- University of Helsinki Award for outstanding doctoral thesis (2006)
- The Helsinki University Biomedical Thesis Award. Awarded by Helsinki Biomedical Graduate school (2006)
- The best thesis award, awarded by Viikki Research Group Organization in Molecular Biosciences (2006)
- The best PhD thesis in developmental biology (2003-2005) (by Finnish Society for Developmental Biology)

INVITED SPEAKER IN INTERNATIONAL SCIENTIFIC MEETINGS

- Understanding the Principle of Plant Stem Cells, Tohoku University in Sendai, Japan, May 11-14, 2019
- Invited speaker in a departmental lecture series, Department of Plant and Microbial Biology, University of Zürich, Switzerland, Dec 4, 2018
- Invited speaker in the 2nd International Conference on Plant Meristem Biology, Hefei, China, June 8-11, 2018
- Invited speaker in a departmental lecture series, Technical University of Munich, Munich, Germany, Nov 23, 2017
- Joint BSDB/Nordic Meeting on Development and Regeneration, Stockholm, Sweden, October 25-27, 2017
- Invited speaker in a departmental lecture series, Heidelberg University, Heidelberg, Germany, Oct 10, 2017
- FASEB meeting on Mechanisms in Plant Development, Vermont, USA, August 6-11, 2017
- Invited speaker in Seminars in Biotechnology, Instituto de Bioingeniería, Universidad Miguel Hernández, Spain, June 15-16, 2017
- Cold Spring Harbor Asia Conference on Plant Cell and Development Biology, Suzhou, China, May 22-26, 2017
- Frontier seminar series, Shanghai Center for Plant Stress Biology, Shanghai, China, May 22, 2017
- Invited speaker in the departmental lecture series, Max Planck Institute of Molecular Plant Physiology, Potsdam, Germany, March 29, 2017
- Invited speaker in a departmental lecture series, University of Geneva, Geneva, Switzerland, Oct 16, 2016
- Invited speaker in a departmental lecture series, University of Lausanne, Lausanne, Switzerland, Oct 15, 2016
- Invited speaker in Plant Vascular Biology Conference, Shenzhen, China, July 19 – 23, 2016
- Invited speaker in International Conference on Arabidopsis Research (ICAR), South Korea, June 29 - July 2, 2016

- Invited speaker in the First International Conference on Plant Meristem Biology, Tai'an, June 9-10, 2016
- University of Edinburgh, UK, Invited speaker in a departmental lecture series, Nov 2015
- Scientific Retreat of Norwegian University of Science and Technology, Trondheim, Norway, August 20-22, 2015
- Receiving the Scandinavian Plant Physiology Society (SPPS) Early Career Award and giving a talk in the 26th SPPS Congress in Stockholm, Sweden, August 9th-13th, 2015
- Plant Biology meeting, organized by American Society of Plant Biologists (ASPB), July 25-27, 2015
- Max Planck Institute for Plant Breeding Research in Cologne, Germany, Speaker in weekly seminar series, March 2015
- The University of Nottingham, School of Biosciences, Invited speaker in a divisional lecture series, Oct 2013
- Tokyo University Graduate school, invited by Hiroo Fukuda 2011