

PERSONAL INFORMATION

Family name, First name: Benková Eva

Researcher unique identifier (ORCID) 0000-0002-8510-9739

Date of birth: 15.12.1969

Nationality: Slovak Republic

URL for web site: <https://ist.ac.at/research/research-groups/benkova-group/>

• EDUCATION

1998 Ph.D. Biophysics, Institute of Biophysics, Academy of Sciences of the Czech Republic, Brno, Czech Republic (advisor: Dr. B. Brzobohatý)

1993 M.Sc., Molecular Biology and Genetics, Masaryk University, Brno, Czech Republic (advisor: Dr. M. Svoboda)

• CURRENT POSITION(S)

2012 – present Professor at the Institute for Science and Technology (IST), Austria

• PREVIOUS POSITIONS

2012 – 2014 Associated Group leader at the Central European Institute of Technology, Brno, Czech Republic

2007 – 2012 Junior Group leader at the Plant Systems Biology Department, Flanders Institute for Biotechnology (VIB), Gent, Belgium

2003 – 2007 Habilitation position, University of Tübingen, Tübingen,

2001 – 2003 Postdoctoral fellow at the Centre for Plant Molecular Biology, Tübingen, Germany

1998 – 2001 Postdoctoral fellow at the Max-Planck Institute for Plant Breeding, Köln, Germany

• FELLOWSHIPS AND AWARDS

2017 Elected EMBO member

2014 Highly Cited Researcher by Thomson Reuters

2008 ERC Starting Grant

2003- 2007 Fellowship funded by the Margarete von Wrangell Habilitation Program

• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2008 – 2016 7 PhD students accomplished their studies at University of Gent, (Belgium).

11 Postdoctoral Fellows supervised, 5 Postdoctoral fellows awarded by fellowships (EMBO, IST /Marie Curie fellow, and ESCUDO Fellowship)

• TEACHING ACTIVITIES

Lecture and laboratory courses in molecular cell biology, genetics, plant biology and developmental genetic at University of Tübingen (2001 – 2006), University of Gent (2008 – 2012), University Brno (2014, 2015)

Medit. Inst. of Agriculture, Greece (2008-present), IST Austria (2013 – present)

• PROFESSIONAL SERVICE

- ERA-CAPs scientific advisory board, ANR, PRIMA SNSF and ERC starting grant panel member,
- Editorial board member: *Plant Cell and Physiology* (2009-2014), *Plant Molecular Biology*, *Frontiers in Plant Traffic and Transport*, *Scientific Reports*
- PhD Panel Member: University of Ghent, Valencia, Milan, BOKU Vienna, GMI Vienna,
- Grant Reviewer for funding agencies: DFG (Germany), ANR (France), BARD (Israel), SNF (Switzerland), NSF (USA), AgreenSkills (France), BBSRC (UK), ERC
- Reviewer of journals (about 30 per year): *Nature*, *Developmental Cell*, *EMBO J*, *eLife*, *Genes and*

Development, Current Biology, Plant Cell, Development, Plant Physiology, Plant Journal, PLOS Genetics, PNAS, New Phytologist, Molecular Plant

- Institutional responsibilities: Internal award committee – head; Staff scientist committee - member; Head of scientific service unit; IST fellow committee member; Graduate school IST Austria - track representative for life sciences; Science education committee – member

- **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2013 Vienna Plant Network meeting, organizer
- 2015 EMBO meeting on “Signalling in plant development”, co-organizer
- 2015 IPMB – member of programme board committee

- **COMMISSIONS OF TRUST**

- 2017- present Professorial board committee IST Austria – vice-chair

Invited speaker I am regularly invited to international meetings and seminar series (3-5 times per year) reflecting that our work is recognized by the scientific community

- 21st International Plant Growth Substances Association (IPGSA), 18th -22nd June 2013, Shanghai, China, June, Hormonal regulation of root system architecture (invited chair and speaker)
- Auxin workshop; 8th -9th June, Leiden, Netherland Differential cell growth guided apical hook development (invited speaker)
- H2020 Workshop ERC Grants, 30.01.2014, Slovak Academy of Science, Bratislava, „Experience of the First Slovak grantee“ (invited speaker)
- Auxin and Cytokinin in Plant Development International Symposium (ACPD 2014), 29th June – 4th July 2014, Prague, “Hormonal regulation of root system architecture” (invited speaker)
- ÖGMBT Annual Meeting, 17th September 2014, Vienna, “Hormonal cross-talk regulating plant organogenesis and development” (invited speaker)
- Combined Annual Meetings of Australian and New Zealand Society for Biochemistry, Molecular Biology, and Plant Science (ComBio), 28th September 2nd October 2014, Canberra (AUS), plenary talk “Hormonal cross-talk regulating plant organogenesis and development”, parallel session “Hormonal regulation of differential cell growth”
- Distinguished Noel T. Keen Lecture; CEPCEB Annual Award Symposium, 12th December 2014, UC Riverside, USA, “Hormonal regulation of root system architecture” (invited speaker)
- International Conference on Arabidopsis Research (ICAR) 2015, 5-9. July 2015, Paris, “Hormonal regulation of root branching” (invited speaker)
- European Plant Science Retreat (EPSR) (July 5-9, Paris), “Cytokinin regulated auxin transport” (invited speaker)
- Federation of American Societies for Experimental Biology (FASEB), Conference on Mechanisms in Plant Development, 9th -14th August, 2015, Vermont Academy, USA (invitation, not accepted due to family reasons)
- European Molecular Biology Organization (EMBO) Seminar “Signalling in plant development”, 20th -24th September 2015; Brno, Czech Republic (invited speaker)
- 9th Scandinavian Plant Physiology Society SPPS PhD Student Conference, June 21-23, 2016, Oslo Norway
- Trinationl Arabidopsis Meeting (TNAM), 14th-16th September 2016 , Vienna Austria
- Auxin 2016, 20nd -25th October, 2016, Sanya, China
- Annual Plant Biology Conference (2016, Chile)
- Rooting 2017, 29 May - 1st June, Umea, Sweden
- International Conference on Arabidopsis Research (ICAR) 2018, 25-28. June 2018, Turku, Finland, (invited speaker)

- Auxin and Cytokinin in Plant Development International Symposium (ACPD 2018), 1st – 5th July 2018, Prague, (invited speaker)
- International Plant Molecular Biology (IPMB), 5-10th August 2018, Montpellier, France (invited speaker)
- International Symposium on Root Development and Nutrients/Water Absorption, 26th -30th November 2018, Hangzhou, China
- Trinationl Arabidopsis Meeting (TNAM), 10th-12th April 2019 , Zurich, Switzerland
- 23rd International Plant Growth Substances Association (IPGSA), 25th -29nd June 2019, Paris, France (invited chair and speaker)

Scientific lectures / courses / etc. at external institutions

- Gregor Mendel Institute of Molecular Plant Biology, Vienna, Austria, 29th April 2013
- Swedish University of Agricultural Sciences (SLU), Umea Sweden, 4th December 2013
- University of Regensburg, Germany, 10th January 2014
- INRA, Montpellier, France, 24th April, 2014
- ERA-CAPS Grant-holders Workshop, Rome Italy, 12th July 2014
- China Agriculture University, Beijing, China, 4th July 2014
- Palacky University Olomouc, Czech Republic, 1st August 2014
- Institute of Plant Biology Biological Research Centre of the Hungarian Academy of Sciences, Szeged, Hungary, 20th March 2015
- Ruprecht-Karls-Universität Heidelberg, Centre for Organismal Studies, Heidelberg, Germany, 16th April 2015
- Martin-Luther-Universität Halle-Wittenberg, Institut für Biochemie und Biotechnologie, Halle, Germany, 18th July, 2015
- Mendel Seminar (CEITEC), 14th October 2017, Brno Czech Republic
- Sainsbury Laboratory, University of Cambridge (28 February 2018)

Publications 1999 – 2019: Items: 82; Citations: 15573; h-index: 47; i10-index 69; according to Google Scholar

For a complete list of all publications see: <https://ist.ac.at/research/research-groups/benkova-group/>

Outreach activities (2013-2019)

- Students Visit Day (2013), introduction to the Life Sciences at IST
- Students Visit Day (2014, 2015) – poster presentation
- IST Austria Open Campus Day (2014, 2015)
- Visit of students from Gymnasium Klosterneuburg, (23rd June 2014)
- AIT/IST Austria Collaboration Workshop, (23rd April 2015), presentation
- Visit of class from Kierling Volksschule, (18th May 2015)
- Supervision of Harry Pothanikattu, (student at Gymnasium Klosterneuburg), International Baccalaureate Extended Essay in Biology; Topic: How do the plant hormones, Auxin and Cytokinin, change or alter the growth of *Arabidopsis*?
- "People in Science (PinS)" event How to Manage Dual Careers (2015), (panel discussion)
- Forschungsprojekt –“ Wie tanzen Pflanzen? ” elementary school Kierling (June - September 2017)