

Curriculum vitae

Name: Benková (Frimlová) Eva

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Main field of research

Molecular mechanisms and principles underlying hormonal interactions in plants and the identification of key points in which hormonal signaling pathways converge to control plant growth and development.

Qualification:

1993 M.Sc., Molecular Biology and Genetics, Masaryk University, Brno, Czech Republic
1998 Ph.D. Biophysics, Institute of Biophysics, Academy of Sciences of the Czech Republic, Brno, Czech Republic
2013 Habilitation position, University of Tübingen, Germany

Professional Career

2012 – Assistant Professor at the Institute for Science and Technology (IST), Austria (Topic: “**Hormonal cross-talk in plant organogenesis**”)
2007 – 2012 Group leader position at the Plant Systems Biology Department, Flanders Institute for Biotechnology (VIB), Gent, Belgium (Topic: “**Hormonal cross-talk in plant organogenesis**”)
2003 – 2007 Habilitation position, University of Tübingen, Tübingen, Germany (Topic: “**Role of hormonal regulation by auxin and cytokinin in lateral root development**”)
2001 – 2003 Post doctoral fellow at the Centre for Plant Molecular Biology, Tübingen, Germany (Topic: “**Specificity of Aux/IAA and ARF interactions in Arabidopsis embryo development**”)

- 1998 – 2001 Postdoctoral fellow at the Max-Planck Institute for Plant Breeding, Köln, Germany (Topic: **“The role of auxin and auxin transport in lateral root development”**)
- 1994 – 1998 Postgraduate Student, Institute of Biophysics Academy of Sciences of the Czech Republic, Brno, Czech Republic (advisor: Dr. B. Brzobohatý, Topic: **“Manipulation of intracellular location of cytokinin specific beta-glucosidase in transgenic tobacco plants as an approach in the investigation of subcellular compartmentation of cytokinin conjugates”**)
- 1993 M.Sc. Program, Department of Molecular Biology and Genetics, Faculty of Science, Masaryk University, Brno, Czech Republic (advisor: Dr. M. Svoboda, Topic: **“Application of PCR in Human Diagnostic”**)

Professional Service

- PhD Panel Member for the Universities of Milan, Valencia, Gent, Bern, Montpellier,
- Reviewer of journals (about 30 per year): Nature, Developmental Cell, EMBO J, Current Biology, Plant Cell, Plant Physiology, Development,
- Grant Reviewer for funding agencies: DFG (Germany), ANR (France), BARD (Israel), SNF (Switzerland), NSF (USA)
- Editorial board member: Plant Molecular Biology, Plant Cell and Physiology, Scientific Reports
- ERA-CAPs scientific advisory board

Research projects funded in the past

- In 2003- 2007 my independent research on “hormonal cross-talk in lateral root development” was funded by the Margarete von Wrangell Habilitation Program from the Ministerium für Wissenschaft, Forschung und Kunst Baden-Württemberg.
- From 1st of August 2007 till September 2011, I was a group leader at the Plant Systems Biology department of the Flanders Institute for Biotechnology (VIB). Start-up funds included an additional salary for a PhD student, as well as the bench fees for all team members.
- In 2008, I was awarded by European Research Council (ERC) starting research grant for research focused on hormonal crosstalk in plant organogenesis (ERC-2007-Stg-207362-HCPO) for 5 years period.
- In 2011 I obtained two grants from Fonds Wetenschappelijk Onderzoek (FWO) to carry on research on "Functional analysis of novel molecular components implied in auxin-cytokinin interaction" (2011-2014) and "Role of endodermis in control of lateral root organogenesis" (2011-2014).
- In 2015 I obtained FWF-ANR bilateral grant on Hormone crosstalk drives nutrient-dependent root development

Teaching activities

2001 – 2007 University of Tübingen,

Molecular cell biology and developmental genetics courses

Laboratory courses of Cell biology and Molecular genetics.

2008 – 2012 University of Ghent

Plant development biology

2008 – 2015

Invited lecturer, Mediterranean Agriculture Institute in Chania, Greece

Mutant Analysis in *Arabidopsis*

2013 IST Austria -

Molecular Cell Biology, Plant Cell and Developmental Biology

Ph.D. Supervision: 6 accomplished, 3 in progress

Scientific output

60 international publications

Citations: 6909 without self-citations (Web of Science, Dec 2015)

h-index: 34 (Web of Science, Dec 2015)