

Eva DVOŘÁK TOMAŠTÍKOVÁ – CV

Researcher ID: F-7274-2014

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Centre of Plant Structural and Functional Genomics, Institute of Experimental Botany, Czech Academy of Sciences
Slechtitelu 31, Olomouc, Czech Republic

Birth date: 18th November 1985

WORK EXPERIENCE

2019 – now: *senior researcher*

- Institute of Experimental Botany, The Academy of Sciences of the Czech Republic, Olomouc, Czech Republic
- Centre of Plant Structural and Functional Genomics (Assoc. Prof. Ales Pecinka)

2016 – 2018: *postdoctoral research fellow*

- Swedish University of Agricultural Sciences (Uppsala, **Sweden**)
- Linnean Centre for Plant Biology (prof. Lars Hennig, prof. Claudia Kohler)
- Funded by Carl Tryggers Stiftelse för Vetenskaplig Forskning

2014 – 2016: *postdoctoral researcher*

- Institute of Experimental Botany, The Academy of Sciences of the Czech Republic, Olomouc, Czech Republic
- Centre of Plant Structural and Functional Genomics (Dr. Beata Petrovska)
- Funded by Program for the Support of Perspective Human Resources, Czech Academy of Sciences

EDUCATION AND TRAINING ABROAD

2016 – 2018: *postdoctoral research fellow*

- Swedish University of Agricultural Sciences (Uppsala, **Sweden**)
- Linnean Centre for Plant Biology (prof. Lars Hennig, prof. Claudia Kohler)
- Funded by Carl Tryggers Stiftelse för Vetenskaplig Forskning

10/2013 – 10/2015: *several short postdoctoral research visits* (6 months in total)

- IPK Gatersleben, Department of Cytogenetics and Genome Analyses (Gatersleben, **Germany**)
- Research Group Chromosome Structure and Function – Dr. Andreas Houben

2010 – 2014: *Ph.D. in Botany*

- Faculty of Science, Palacky University Olomouc, Czech Republic
- Institute of Experimental Botany (prof. Jaroslav Dolezel)

1/2013 – 6/2013: *postgraduate fellowship*

- IPK Gatersleben, Department of Cytogenetics and Genome Analyses (Gatersleben, **Germany**)
- Research Group Chromosome Structure and Function – Dr. Dmitri Demidov
- Funded by Erasmus Fellowship

2008 – 2010: *MSc. in Molecular Biology and Genetics*

- Palacky University Olomouc, Czech Republic

2005 – 2008: *BSc. in Molecular Biology and Genetics*

- Palacky University Olomouc, Czech Republic

RESEARCH

GRANT AWARDS

2023: *Role of SUMO- and Ubiquitin-ligase complexes in Arabidopsis genome stability*

- Internal grant agency of the Institute of Experimental Botany, Czech Academy of Sciences (No. 100610, 13000 €)

2015 – 2016: *Role of the TPXL gene family in Arabidopsis thaliana*

- “Program for the Support of Perspective Human Resources”, Czech Academy of Sciences (L200381502, 35000 €)

STIPENDS AND AWARDS

2023: EMBO Travel grant, SUMOylation: from discovery to translation, 2023, Povia de Varzim, Portugal

2018: E och T Westins stiftelse för lantbruksforskning (Sweden), travel grant, Plant Genome Stability and Change 2018, Gatersleben, Germany

2013: Erasmus Fellowship, IPK Gatersleben, Germany

2013: EMBO Travel grant, 3rd European Workshop on Plant Chromatin 2013, Madrid, Spain

BIBLIOGRAPHIC SUMMARY (20th December 2023)

- 19 peer-reviewed articles in Web of Science
- 7 first or corresponding author peer-reviewed articles
- 12 of these articles are in the top 10% of journals in the respective category
- 1 book chapter
- 176 citations (ISI Web of Science, 20th December 2023)

INTERNATIONAL COLLABORATIONS

- A. Bachmair, Max Perutz Lab, Vienna, Austria
- A. Sadanandom, Durham University, Durham, United Kingdom
- K. Tamura, University of Shizuoka, Shizuoka, Japan
- K. Graumann, Oxford Brookes University, Oxford, United Kingdom

SELECTED INTERNATIONAL CONFERENCES

- Genome organization by SMC complexes (2022, oral presentation). Title: SMC5/6-mediated SUMOylation plays a role in DNA-protein crosslink repair in Arabidopsis.
- Responses to DNA damage (2022, poster presentation). Title: Repair of zebularine-induced DNA protein crosslinks in Arabidopsis.
- The Czech Plant Nucleus Workshop (2021, oral presentation). Title: The SMC5/6 complex is a fundamental player in the DNA-protein crosslink repair in Arabidopsis.
- Plant Biology CS (2019, oral presentation). Title: Comparative analyses of epigenetic inhibitors and their effects on transcriptional gene silencing and genome stability. Awarded with best presentation prize.

COMMISSION OF TRUST

- Main initiator and organizer of young researcher retreat, Institute of Experimental Botany ASCR
- Member of the organizing committees of the EMBO Workshop Plant Genome Stability and Change 2024 and Czech Plant Nucleus Workshops in 2021 and 2023
- Member of Proteocure COST action (CA20113)
- Reviewer for the funding bodies: GA UK (Czech Republic)
- Reviewer of scientific papers (The Plant Cell, New Phytologist, The Plant Journal)

EDUCATIONAL ACTIVITIES

- Consultant of 3 PhD theses (Swedish University of Agricultural Sciences, Uppsala, Sweden; Palacky University, Olomouc, Czech Republic)
- Supervisor of 4 Master theses and 5 Bachelor theses, Consultant of 2 Master theses (Palacky University, Olomouc, Czech Republic)
- Lecturer, Molecular mechanism of Cell Aging, Masaryk University, Brno, Czech Republic