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# RESEARCHER PROFILE

# DR. EVA MARIA SEHR



# AIT RESEARCHER PROFILES

In the section "Researcher Profiles" you find scientific profiles of AIT's research staff. Using the convenient search engine, you will find a short summary of the scientific expertise and their achievements. The profiles provide information on our scientists' specific research focuses, projects they are currently involved in as well as an overview of their professional experiences and publications.

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## COMPETENCE UNIT

Bioresources

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# CAREER

## RESEARCH

### PROFESSIONAL EXPERIENCE

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2015-2016: **Interremistic scientific head of the Business Case “DNA banking & genotyping services”**

AIT Austrian Institute of Technology / Austria

2013-now: **Scientist**

AIT Austrian Institute of Technology / Austria

2006-2010: **PhD student**

Gregor Mendel Institute of Molecular Plant Biology GmbH / Austria

2006-2006: **Research assistant**

Dept. of Systematic and Evolutionary Botany, University of Vienna / Austria

2005-2005: **Visiting scholar**

Dept. of Molecular, Cellular and Developmental Biology, Yale University / USA

2018-now: **Master student - Bioinformatics**

FH Campus Wien / Austria

### ASSIGNMENT TO COMMITTEES / MEMBERSHIPS

# PUBLICATIONS

## SELECTED JOURNALS

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**Phylogenetic relationships, diversification and expansion of chili peppers (Capsicum, Solanaceae).**

**Author(s):** C. Carrizo García, M. H. J. Barfuss, E. M. Sehr, G. E. Barboza, R.

Samuel, E. A. Moscone, F. Ehrendorfer

**Journal:** Annals of Botany (2016)

**Towards the selection of superior sesame lines based on genetic and phenotypic characterization for Uganda.**

**Author(s):** W. Okello-Anyanga, K. Hansel-Hohl, A. Burg, S. Gaubitzer, P. R.

Rubaihayo, P. Okori, J. Vollmann, P. T. Gibson, S. Fluch, E. M. Sehr

**Journal:** Journal of Agricultural Science (2017)

**Genetic diversity of flax accessions originating in the Alpine region - a case study for ex situ germplasm characterisation based on molecular markers.**

**Author(s):** E.-M. Halbauer, V. Bohinec, M. Wittenberger, K. Hansel-Hohl, S.

Gaubitzer, E. M. Sehr

**Journal:** Euphytica (2017)

**Association genetics of phenolic needle compounds in Norway spruce with variable susceptibility to needle bladder rust.**

**Author(s):** A. Ganthalter, W. Stögg, S. Mayr, I. Kranner, S. Schüler, E.

Wischnitzki, E. M. Sehr, S. Fluch, C. Trujillo-Moya

**Journal:** Plant Molecular Biology (2017)

**Identification and Characterization of the *Fasciola hepatica* sodium- and chloride-dependent taurine transporter**

**Author(s):** B. Hamali, S. Pichler, E. Wischnitzki, K. Schicker, M. Burger, M.

Holy, K. Jaentsch, M. Molin, E. M. Sehr, O. Kudlacek, and M. Freissmuth

**Journal:** PLOS Neglected Tropical Diseases (2018)

**Drought sensitivity of Norway spruce at the species' warmest fringe: quantitative and molecular analysis reveals high genetic variation among and within provenances.**

**Author(s):** C. Trujillo-Moya, J.-P. George, S. Fluch, T. Geburek, M. Grabner, S.

Karanitsch-Ackerl, H. Konrad, K. Mayer, E. M. Sehr, E. Wischnitzki, S. Schueler

**Journal:** G3: Genes, Genomes, Genetics (2018)

**Elucidating drought stress tolerance in European oaks through cross-species transcriptomics.**

**Author(s):** S. Madritsch, E. Wischnitzki, P. Kotrade, A. Ashoub, A. Burg, S.

Fluch, W. Brüggemann, E. M. Sehr

**Journal:** G3:Genes|Genomes|Genetics (2019)

## BOOKS

# FURTHER INFORMATION

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