

Thomas Wolfe | Curriculum Vitae

Kagraner Platz 19/1/6 – 1220 Wien, Austria

☎ +43-676-6056-188 • ✉ thomas.m.wolfe@gmail.com

📁 Research Group Plant Ecological Genomics

"Change is the only constant" - Heraclitus of Ephesus

Education

University of Vienna / Vienna Graduate School of Population Genetics <i>Ph.D. in Evolutionary Genomics</i>	Austria 2015–present
University of Lausanne <i>Master in Molecular Life Sciences</i>	Switzerland 2014–2015
University of Lausanne <i>Bachelor in Biology</i>	Switzerland 2010–2014
EPFL <i>First year Mathematics</i>	Switzerland 2008–2010
Chamblandes <i>High School, Mathematics-Physics optional line</i>	Switzerland 2005–2008
Mèzières <i>Secondary School</i>	Switzerland 2000–2005

Doctoral Project

Working Title: *Dactylorhiza Allopolyploidization, from Ecological Differentiation to Molecular Evolution*

Supervisors: Prof. Ovidiu Paun, Prof. Claus Vogl & Prof. Christian Lexer

Description: This project explores the ecological relevance of polyploidy in natural wild Orchid populations. We are using state-of-the-art transcriptomics (RNA-seq) data to assess these questions.

Masters Thesis

Title: *The long term effect of polyploidisation on transposable element activity.*

Supervisors: Prof. Marc Robinson-Rechavi & Dr. Sacha Laurent

Description: This thesis explored the idea that transposable element activity could be higher in polyploids.

Publications

Balao, F. *et al.* Adaptive sequence evolution is driven by biotic stress in a pair of orchid species (*Dactylorhiza*) with distinct ecological optima. *Molecular Ecology* **26**, 3649–3662 (2019).

Wolfe, T. M. *et al.* Macro- and microevolutionary drivers of divergent evolution in two sibling allopolyploid *Dactylorhiza*. *Draft, intended for PNAS* (2019).

Wolfe, T. M. *et al.* Patterns of homoeolog biases and expression level dominance and their evolutionary implication between two sibling polyploid orchids. *Draft and results, intended for Molecular Biology and Evolution* (2019).

Experience

Academic.....

University of Lausanne

Switzerland

Worked for Prof. Hardtke's lab

2012–2013

Our project was aimed at classify root meristems of *Arabidopsis* cotyledons using a cross entropy method. My supervisors were Dr. L.Santuari and Dr. E.Scacchi.

Detailed achievements:

- Learned how to work in a collaborative scientific group
 - Communication
 - Assessing feasibility
 - Implementing new ideas
 - What biological data is needed
 - What statistical methods are appropriate
- Do not reinvent the wheel!

Miscellaneous.....

JOWA

Ecublens

Baker, Switzerland

2014–2015

This factory produces the bread for Migros all around Switzerland. Night shifts in industry.

Globus

Lausanne

Security guard, Switzerland

2010–2011

I was employed to make sure no items would leave the shop without having been paid. This job involved some diplomacy.

Manor

Lausanne

Logistics, Switzerland

2006–2008

My Job was to load & unload the merchandise coming in and going out of the store. Responsible for bringing merchandise to the five floors of the shop.

Various

Watch mechanic, Switzerland

2002–2004

Many monthly work experiences in the fields of watch making & mechanics. These were done to sensitize young people to there interests for later apprenticeships.

Computer skills

Basic: Lisp

Intermediate: C/C++

Advanced: Bash scripting, R, PYTHON, Golang, \LaTeX

Communication Skills

2018-Sep: Oral Presentation at GFÖ - Vienna, Austria

2018-Aug: Poster at II Joint Congress on Evolutionary Biology - Montpellier, France
2017-Oct: Poster at Plant Genome Evolution - Barcelona, Spain
2017-Sep: Poster at Plant Epigenetics - Vienna, Austria
2017-Jun: Oral Presentation at Botany - Fort Worth, Texas
2017-Jan: Oral Presentation at PopGroup - Cambridge, UK
2016-Mai: Oral Presentation at the International Conference on Polyploidy - Rovinj, Croatia

Courses and workshops

2016-Dec: Inferring Natural Selection using Genomic Data - Ferrara, Italy
2015-Aug: Genetic data analysis in R - Glasgow, Scotland

Languages

English: Mother tongue	<i>Father's language</i>
French: Mother tongue	<i>Mother's language</i>
German: Intermediate	<i>Daily usage</i>
Italian: Intermediate	<i>Learned at school</i>
Serbian: Basic	<i>Basic words and phrases</i>

Interests

- Clarinet/Saxophone	- Music
- Chess	- Reading
- Traveling	- Rugby