

CURRICULUM VITAE DR. PETER SCHÖNSWETTER



Date and place of birth: December 11th, 1973; Vienna
Languages: German (native), English (fluent), Slovene (fluent, C1), Spanish (± fluent), French (basic), Norwegian (basic), Bosnian/Croatian/Serbian (intermediate passive understanding), Italian (beginner)
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UNIVERSITY EDUCATION

7/2010–
12/2006 **Full Professor** for Systematics and Geobotany at the University of Innsbruck
12/2003–12/2004 **Habilitation** for Botany/Biogeography at the University of Vienna
12/2003–12/2004 **Postdoc** at the National Center of Biosystematics, University of Oslo, Norway with Prof. C. Brochmann. Financed by the Austrian Science Fund project „Recent immigrants or ancient witnesses of recurrent climate change? The fate of rare arctic plants in the Alps revisited“
1/2001–8/2009 **half-time contract assistant** at the University of Vienna, Faculty Centre Botany, Department of Biogeography and Botanical Garden
03/1999–11/2002 PhD studies in Botany
PhD thesis: „Comparative phylogeography of high alpine plants in the European Alps“ (Institute of Botany, Prof. H. Niklfeld and Prof. T. F. Stuessy)
PhD exam with distinction
10/1992–02/1999 Studies of biology/botany at the University of Vienna
Diploma thesis: „Fine scale distribution, ecology and phytosociology of relic vascular plant taxa in the eastern Niedere Tauern, with special emphasis on the Wölzer Tauern (Austria, Steiermark), (Institute of Botany, Prof. H. Niklfeld)
Diploma exam with distinction

CURRENT RESEARCH ACTIVITIES

A) Floristics

- **“Mapping of the Flora of Austria“** (head H. Niklfeld) 1995–: yearly participation in floristic mapping campaigns (mainly Alps of Austria and South Tyrol), head of mapping teams since 1997

B) Molecular biogeography and phylogenetics

- **“INTRABIODIV** – Tracking surrogates for intraspecific biodiversity: towards efficient selection strategies for the conservation of natural genetic resources using comparative mapping and modelling approaches“ (EU 6th framework project) 2005–2007: supervision of lab activities, own lab work, data analysis, manuscript preparation
- **„Intraspecific phylogeography of Alpine plants“** (FWF project) 1999–2003: Molecular investigation of several alpine species growing on silicates. I did everything from project management and lab work to data analysis and manuscript preparation
- **“Recent immigrants or ancient witnesses of recurrent climate change? The fate of rare arctic plants in the Alps revisited“** (FWF Schrödinger Stipend) 2003–2004: Using molecular methods, this project

focussed on testing the classical hypotheses on the glacial history of some of the rarest arctic-alpine species of the Alps. I conducted the whole project on my own.

- **“Phylogenie and phylogeographie of *Androsace* sect. *Aretia*”** (FWF project) 2003-2006: Situated on the interface of phylogeography and phylogenetics, this project aimed at evaluating and comparing phylogeographic data of all members of *Androsace* sect. *Aretia*. Amongst others, new species are being described. The project was conducted together with G. M. Schneeweiss.
- **„Evobalk“** (Marie Curie Intra-European Fellowship) 2006-2007: In the course of this project, B. Surina (now Museum of Natural History, University of Rijeka, Croatia) worked on phylogeography and systematics of the Balkan-centred genus *Edraianthus* (Campanulaceae). The project was conducted together with G. M. Schneeweiss.
- Additionally, and currently most importantly, together with numerous collaborators (see below) I work on **various phylogeographic and biosystematic questions** in the following groups: *Euphorbia triflora* group, *E. villosa*, *Heliosperma pusillum* s. l., *Papaver alpinum* s. l., *Saponaria bellidifolia*, *Saxifraga oppositifolia* s. l., etc.

C) Polyploid evolution

- **“Origin and maintenance of intrapopulational cytotype mixture in an alpine plant species (*Senecio carniolicus*, Asteraceae)”** 2008–2011. This project funded by the Austrian Science Fund deals (a) with the evolution of the polyploid complex of the East Alpine-Carpathian endemic *Senecio carniolicus* and (b) with mechanisms allowing the co-existence of different ploidy levels. This complex proposal integrates molecular tools with crossing and transplantation experiments, phenological and ecological data, etc. I am the PI of the project which was developed together with G. M. Schneeweiss and K. Hülber.
- **“BALKANBIODIV: Evolution, biodiversity and conservation of indigenous plant species of the Balkan Peninsula”** 2010–2012. This project funded by the European Union explores phylogenetic and spatiotemporal relationships within three plant genera that underwent several rounds of polyploidisation on the Balkan Peninsula (*Cerastium*, *Knautia*, *Sesleria*). It is a trilateral project with partners from the University of Beograd (Serbia) and the University of Zagreb (Croatia).

(CO-)SUPERVISION OF DIPLOMA AND PHD STUDENTS

1. Corinna Schmiderer, master thesis, end: 2002 (*de facto* supervision)
2. Ruth Flatscher, master thesis, end: 2010 (co-supervision)
3. Sara Fössinger, master thesis, end: 2010 (supervision)
4. Clemens Pachschwöll, master thesis, ongoing (supervision)
5. Christopher Dixon, doctoral thesis, end: 2007 (co-supervision)
6. Carolin Rebernig, doctoral thesis, end: 2010; (co-supervision)
7. Katharina Bardy, doctoral thesis, end: July 2010 (*de facto* supervision)
8. Michaela Sonnleitner, doctoral thesis, ongoing (supervision)
9. Marianne Magauer, master thesis, ongoing (supervision)
10. Ruth Flatscher, doctoral thesis, ongoing (supervision)

“BOTANICALLY MOTIVATED” EXCURSIONS, MAINLY COLLECTING TRIPS

1996: Southern Moravia ♦ **1997:** Kefallinia (Ionian Islands); Georgia (Caucasus) ♦ **1998:** New Zealand; southwestern Alps ♦ **1999:** Lefkada, Atokos (Ionian Islands); Scandinavia ♦ **2000:** entire Alps (France, Italy, Switzerland, Austria) ♦ **2001:** southwestern Alps and Pyrenees (Spain, France, Italy); Croatia; Chile, Argentina ♦ **2002:** Washington State, USA ♦ **2003:** Andaluc a (Spain); entire Alps (France, Italy, Switzerland, Austria), entire Pyrenees (France, Spain), Abruzzo (Italy) ♦ **2004:** Tatra (Slovakia, Poland); Southern Carpathians (Romania); Taymyr Peninsula (Siberia, Russia); Norway ♦ **2005:** Norway,

Andalucía (Spain) ♦ **2006:** Bulgaria, Serbia, Slovenia, Croatia, Bosnia & Herzegovina, Macedonia, Greece, France, Spain ♦ **2007:** Andalucía (Spain); Bosnia & Herzegovina, Montenegro, Slovenia, Croatia ♦ **2008:** Argentina/Chile, Italy, Corsica ♦ **2009:** Andalucía (Spain); Alps (Austria, Slovenia), Bosnia & Herzegovina, Serbia ♦ **2010:** Bosnia & Herzegovina, Montenegro, Kosovo, Albania, Italy ♦ **2011:** Spain, Andorra, France, Italy, Croatia, Bosnia & Herzegovina, Montenegro, Italy, Slovenia

ORGANISATION OF INTERNATIONAL CONGRESSES AND SYMPOSIA

1. First Joint Botanical Mountain Phylogeography Meeting, Zurich, June 1–3, 2001 (together with Ivana Stehlik, Zurich and Andreas Tribsch, Vienna)
2. Symposium „Evolution and phylogeography of alpine and polar plants: a worldwide perspective“ at the International Botanical Congress 2005 in Vienna
3. Organisation of excursion 27 at the International Botanical Congress 2005 in Vienna Austria: “From Vienna to Mt. Grossglockner – Plant and habitat diversity in the Northeastern and Central Alps”

SELF-ACTIVE ACQUIRED THIRD-PARTY-FUNDS

1. “Recent immigrants or ancient witnesses of recurrent climate change? The fate of rare arctic plants in the Alps revisited“ (FWF J2311-B03), Dr. Peter Schönswetter, 1.12.2003–31.12.2004, Austrian Science Fund; € 40 117.00.
2. „Phylogeography and reticulate homoploid evolution in *Androsace* sect. *Aretia* (Primulaceae)“, Dr. Peter Schönswetter, 2007, Commission for Interdisciplinary Ecological Studies (KIÖS), Austrian Academy of Sciences; € 3 300.00.
3. “Biodiversity in the Alps and Dinaric mountains: molecular analysis of three plant groups” (SI-2007-24; Scientific and Technological Co-operation Austria / Slovenia), Dr. Peter Schönswetter, 1.1.2007–31.12.2008, Austrian Exchange Service, Academic Cooperation and Mobility Unit; € 5 759.00.
4. “Origin and maintenance of intrapopulational cytotype mixture in an alpine plant species (*Senecio carniolicus*, Asteraceae)” (FWF P20736), Dr. Peter Schönswetter, 1.6.2008–30.6.2011, Austrian Science Fund; € 362 199.50¹.
5. “Plant biodiversity of the Alps and the Balkans: testing classical taxonomic and biogeographic hypotheses using molecular approaches” (SI-2009-18; Scientific and Technological Co-operation Austria / Slovenia), Dr. Peter Schönswetter, 1.1.2009–31.12.2010, Austrian Exchange Service, Academic Cooperation and Mobility Unit; € 5 925.00.
6. Diverse small grants for the attendance of conferences etc., mostly from Austrian Exchange Service (ÖAD); in sum c. € 1 000.00.
7. “BALKBIODIV: Evolution, biodiversity and conservation of indigenous plant species of the Balkan Peninsula”, Dr. Peter Schönswetter, 1.10.2010–30.9.2012, EU, SEE-ERA.NET Plus Joint Call; € 133 378.
8. “Origin and diversification of steppe flora and fauna in South Tyrol and other inner-Alpine dry valleys”, Dr. Peter Schönswetter, in review, Amt für Hochschulförderung, Bozen, South Tyrol. Requested funding ca. € 300.000.

INVOLVEMENT IN THIRD-PARTY-PROJECTS

1. „Intraspecific phylogeography of Alpine plants“ (FWF P13874-Bio), Dr. H. Niklfeld, PhD student (including drafting of project proposal, administration etc.), 1.12.1999–31.5.2003, Austrian Science Fund; € 194 582.97.

¹ After my move to Innsbruck, this project was transferred to Gerald M. Schneeweiss (University of Vienna), and only he is listed as project leader in the FWF data base.

2. “Phylogeny and phylogeography of *Androsace* sect. *Aretia* (Primulaceae)” (FWF P16104-B03), Dr. H. Niklfeld, official collaborator, 1.1.2003–31.12.2006; Austrian Science Fund; € 234 331.61.
3. “Evobalk”, Dr. B. Surina, official collaborator, 1.1.2006–31.12.2007, EU: Marie Curie Intra-European Fellowship, € EUR 156 753.00.
4. “Tschechisch-österreichische botanische Exkursion in die Alpen (1.–7. Juli 2006)”, Dr. L. Schratt-Ehrendorfer, excursion leader, 2006, Austrian Exchange Service: “Aktion” Österreich-Tschechische Republik, € 4 620.00
5. “IntraBioDiv – Tracking surrogates for intraspecific biodiversity: towards efficient selection strategies for the conservation of natural genetic resources using comparative mapping and modelling approaches”; GOCE-CT-2004-505376, Dr. P. Taberlet/Dr. H. Niklfeld, postdoc, 1.1.2004–31.12.2006; European Commission; University of Vienna: € 366 650.00.
6. “Speciation on the Balkan Peninsula: three case examples from *Veronica* (Plantaginaceae s. l.)”, Prof. Dr. M. A. Fischer, official collaborator, 01.04.2006–01.04.2009, Austrian Science Fund; € 251.758.50.

TEACHING AT THE UNIVERSITY OF INNSBRUCK (IN GERMAN)

a) Bachelor Studies Biology

„Diversität und Systematik der Pflanzen“, Vorlesung, 1 Semesterwochenstunde (h)

„Diversität und Systematik der Pflanzen-Übung“, 2 h

„Botanische Exkursion mit Übung“, 1 h

b) Master Studies Botany

„Exkursion mit Übung“, 3 h

„Biogeographie der Pflanzen“, Vorlesung und Übung, 2h

„Verbreitungsmuster von Pflanzen der Alpen“, 1 h

„DNA-Marker in Biogeographie, Pflanzensystematik, und Evolutionsforschung“, Übung, 2h

REVIEWER FOR THE FOLLOWING JOURNALS

Annals of Botany ♦ Biological Journal of the Linnean Society ♦ Botanical Journal of the Linnean Society ♦ Botanica Helvetica ♦ Conservation Biology ♦ Ecography ♦ Flora ♦ Journal of Biogeography ♦ Molecular Ecology ♦ New Phytologist ♦ Nordic Journal of Botany ♦ Organisms, Diversity and Evolution ♦ Perspectives in Plant Ecology, Evolution and Systematics ♦ Phytologia Balcanica ♦ Plant Ecology and Diversity ♦ Plant Systematics and Evolution ♦ Preslia ♦ Taxon

REVIEWER FOR THE FOLLOWING GRANT AGENCIES

Agencia Nacional de Evaluación y Prospectiva (ANEP, Spain) ♦ Austrian Exchange Service (ÖÄD) ♦ Grant Agency of the Academy of Sciences of the Czech Republic ♦ Swiss National Science Foundation

AWARDS

“Emerging Field”, awarded by the Dean of the Faculty of Life Sciences, University of Vienna (€ 15 000)

“Recent immigrants or ancient witnesses of recurrent climate change? The fate of rare arctic plants in the Alps revisited“, J2311-B03 (Austrian Science Fund; € 40 117.00)

COLLABORATIONS (OUTSIDE OF THE UNIVERSITY OF INNSBRUCK)

Gerald M. Schneeweiß, Karl Hülber, Michaela Sonnleitner, Manuela Winkler, Pedro Escobar-García, Hanna Weiss-Schneeweiss, Friedrich Ehrendorfer, Luise Schratt-Ehrendorfer, Harald

Niklfeld, University of Vienna: Polyploid research in *Senecio carniolicus* s. l., Evolution and phylogeography of *Saxifraga oppositifolia* s. l., *Androsace* spp., Polyploid evolution in *Knautia*, etc. ♦ **Gugerli Felix**, Swiss Federal Research Institute WSL, Birmensdorf, Switzerland: Phylogeography and Systematics of *Saxifraga oppositifolia* s. l. ♦ **Hilpold Andreas**, Botanical Institute of Barcelona, Spain: Evolution of the Alpine steppe flora ♦ **Holderegger Rolf**, Swiss Federal Research Institute WSL, Birmensdorf, Switzerland: Phylogeography and Systematics of *Saxifraga oppositifolia* s. l. ♦ **Ronikier Michał**, Institute of Botany, Polish Academy of Sciences, Krakow, Poland: Phylogeography of *Androsace obtusifolia* and *Ranunculus glacialis*. ♦ **Isabel Sanmartín Bastida**, Real Jardín Botánico, Madrid, Spain: Origin and diversification of steppe flora and fauna in South Tyrol and other inner-Alpine dry valleys ♦ **Suda Jan**, Charles University Prague & Academy of Sciences of the Czech Republic, Pruhonice, Czech Republic: Genome size data for *Senecio carniolicus* ♦ **Surina Boštjan**, Natural History Museum Rijeka, Croatia: Evolution and phylogeography of *Edraianthus graminifolius* ♦ **Tribsch Andreas**, University of Salzburg, Austria: Phylogeography and Systematics of *Saxifraga oppositifolia* s.l.

HOBBIES

Mountaineering (summer/winter), running, languages, travelling, literature (German, English, Spanish, Slovene)