

**Dr.rer.nat. Monika Summerer****Contact:**e-mail: [Monika.Summerer@uibk.ac.at](mailto:Monika.Summerer@uibk.ac.at)

Phone: +43 (0)512-507-51738

**Personal Information:**

born 1974 in Kufstein, Austria  
 three children born in 1998, 2001 and 2010  
 Austrian citizen

**Last Position:**

Post Doc, Institute of Ecology, Lake and Glacier Ecology,  
 University of Innsbruck

**Education:**

April 2007	<b>Doctoral Degree in natural sciences (PhD) at the University of Innsbruck;</b> Thesis: "Testing alternative benefits in symbiosis of pelagic <i>Chlorella</i> -bearing freshwater ciliates: an ecological and molecular approach". Supervisor: Dr. Ruben Sommaruga
2002-2007	PhD studies, University of Innsbruck, Austria
January 2001	<b>Master's Degree in natural sciences (MSc) at the University of Innsbruck,</b> Master Thesis: "Molecular phylogeny of sea breams of the genus <i>Diplodus</i> ". Supervisor: Dr. Christian Sturmbauer
1995-2001	Study of Biology/Zoology, University of Innsbruck, Austria
1993-1995	College for Tourism and Leisure Industry, Innsbruck
June 1993	General qualification for university entrance, BRG Kufstein, Austria

**Career History:**

2002-2006	Scientific academic assistant, University of Innsbruck
2006-2007	PhD appointment "Testing alternative benefits in symbiosis of pelagic <i>Chlorella</i> -bearing freshwater ciliates: an ecological and molecular approach" (FWF 16559-B06), Dr. Ruben Sommaruga
February 2007	Scientific employee (part-time), project: "Population genetic and biogeographic analyses of Branchiobdellidae", Dr. L. Füreder
2007-2008	Appointment as expert on water hygiene; ARGE Umwelthygiene, Institute of Hygiene, MUI; responsibilities: hygiene expertise of lakes, bathing water and drinking water
2008- 2014	Post-Doc associate and BMA, Genetic Epidemiology, Medical University of Innsbruck; responsibilities: SNP genotyping and (multiplex-) STR analyses, DNA sequencing, handling of core-facility devices (DNA-Sequencer, TaqMan, TECAN robots), data

- evaluation, population genetic analyses; projects: mitochondrial DNA; HO-1 short tandem repeat
- 2014-2016 Post Doc “Chemolithoautotrophic carbon dioxide fixation strategies in lakes” (FWF P25703), Dr. A. Alfreider, Lake and Glacier Ecology, University of Innsbruck

### **Additional training:**

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|------|---|
| 1999 | Marine biology course (macroalgae and sea-urchins), Rovinj, Croatia                                 |
| 2000 | Marine biology course (emphasis on meiofauna), Calvi, France  |
| 2002 | Marine biology course (mediterranean littoral fishes), Giglio, Italy                                |
| 2003 | Course on electron-microscopy (SEM/TEM), Innsbruck, Austria   |
| 2005 | Real-time PCR seminar and practical education, Innsbruck, Austria                                   |
| 2006 | Workshop on Molecular Evolution, Woods Hole, MA, USA  |
| 2007 | Trainings on pathogenic bacteria, waterborne diseases, Innsbruck, Austria                           |
| 2008 | SNP-genotyping and STR techniques/Applied Biosystems, IBK, Austria                                  |
| 2009 | Protein-chemical methods (ELISA, Western Blot), Innsbruck, Austria                                  |
| 2014 | CARD- and MAR-FISH, M.Salcher, České Budějovice, Czech Republic                                     |
| 2015 | Basic course in flow cytometry and cell sorting, MOFLO Astrios, Beckman Coulter, Innsbruck, Austria |

### **University-internal advanced training:**

- Rhetoric and Presentation Techniques. December, 2002, University of Innsbruck
- Good Scientific Practice. March 20, 2003, University of Innsbruck
- Scientific Writing Workshop. March 30 – 31, 2003, University of Innsbruck
- Project Management. April 14 – 15, 2003, University of Innsbruck

### **Field experience:**

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|-----------|---|
| 2002-2005 | sampling of high-mountain lakes and glaciers; Tyrol, Austria  |
| 2004/2005 | performance of UV-measurements and various experiments in alpine and high-mountain lakes; Tyrol, Austria                      |
| July 2006 | field trip to Ny Álesund/Svalbard; sampling of cryoconites, lakes, streams  |
| 2007/2008 | sampling, eco-morphological and technical characterisation of various water bodies (lakes, streams, rivers, springs); Austria |
| 2009      | field trip to Costa Rica; sampling and fish biological studies in streams   |

### **Scholarships and Awards:**

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|------|--|
| 2002 | Doktoratsstipendium aus der Nachwuchsförderung der Universität Innsbruck “Isolation of endosymbiotic algae from freshwater ciliates for DNA sequencing and phylogenetic analyses”. |
| 2006 | Forschungsförderung des Landes Tirol für die Teilnahme am “Workshop on Molecular Evolution“, Woods Hole, MA, USA   |

- 2007 Förderungspreis für interdisziplinäre Forschung im Alpenen Raum  
„Testing alternative benefits in Symbiosis of Chlorella-bearing freshwater ciliates - an ecological and molecular approach
- 2007 Anerkennungspreis der Jury des Preises der Landeshauptstadt IBK
- 2009 ‘Kanadapreis’ des Zentrums für Kanadastudien **verliehen an B. Sonntag**  
für die Publikation: Sonntag B, Strüder-Kypke MC, Summerer M 2008  
*Uroleptus willii* nov. sp., a euplanktonic freshwater ciliate  
(Dorsomarginalia, Spirotrichea, Ciliophora) with algal symbionts:  
morphological description including phylogenetic data of the small subunit  
rRNA gene sequence and ecological notes. *Denisia* 23:279-288

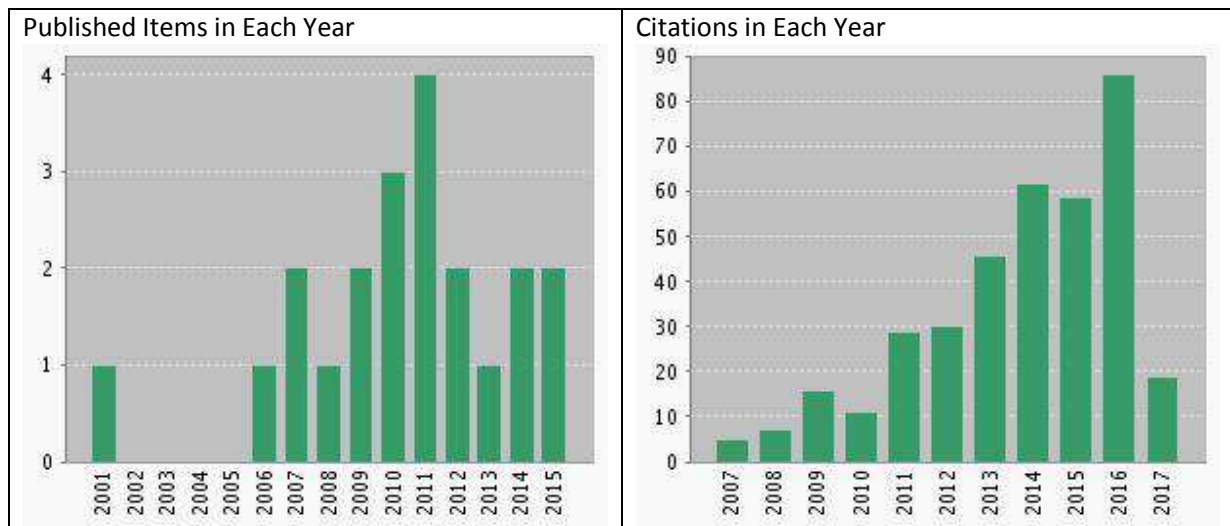
### Research topics:

Mitochondrial DNA, Symbiosis, Ciliates, Aquatic photobiology, Genetic epidemiology, Evolutionary and Population Genetics, Chemolithoautotrophic carbon fixation strategies

Conference participations: 12 (3 oral presentations)

### ISI-Citation report (May 4, 2017):

Publications: 21  
Average Citations per year: 33.64  
Average Citations per Item: 17.62  
**H-index: 11**



### Languages:

German (native), English (fluent), French (basic)

**Innsbruck, May 4, 2017**