

## *Curriculum Vitae*

Name: **Christa Schleper**  
Nationality: Germany  
Birthyear/place: 1962 in Oberhausen (Germany)  
two children (\*2001, 2003)  
Profess.Address: Department of Functional and Evolutionary Ecology, University of  
Vienna, Djerassiplatz 1, 1030 Vienna, Austria,  
christa.schleper@univie.ac.at  
URL: <http://archaea.univie.ac.at>

### **EDUCATION**

2003 Habilitation (*venia legendi*) in Microbiology and Genetics, Darmstadt University of  
Technology, Germany  
1993 PhD, Max-Planck-Institute for Biochemistry, Munich, Germany  
1989 Diploma, Max-Planck-Institute for Biochemistry Munich and University of Konstanz,  
Germany

### **CURRENT POSITION**

2007 – now University Professor, Head Archaea Biology and Ecogenomics Unit, Faculty of Life  
Sciences, University of Vienna, Austria  
2020 - now Head of Department Functional and Evolutionary Ecology  
(<http://ecology.univie.ac.at>)

### **PREVIOUS POSITIONS**

2007 - 2014 Adjunct Professor at Center of Excellence for Geobiology, University of Bergen, N  
2004 - 2007 University Professor, Department of Biology, University of Bergen, N  
1998 - 2004 Assistant Professor, group leader, Dep. of Microbiology, Univ. of Darmstadt, DE  
1996 - 1997 Postdoctoral fellow, Univ. of Sta. Barbara, California, USA  
1995 - 1996 Postdoctoral fellow at CALTECH, Californian Institute of Technology, Pasadena USA  
1994 - 1995 Postdoctoral fellow at Max-Planck-Inst. for Biochemistry, Munich, DE  
Offers to ETH Zurich, TU Munich and University of Waterloo declined.

### **PERSONAL AWARDS AND RECOGNITIONS**

2019, 2020 Highly cited researcher (Web of Science Group)  
2018 Elected Member of the European Molecular Biology Organisation (EMBO)  
2017 Elected Member of the Austrian Academy of Sciences (ÖAW)  
2016 ERC Advanced Grant (2.5 Mio Euro), EU Horizon 2020  
2015 Elected Member of the European Academy of Microbiology (EAM)  
2013 Corresponding member of the Austrian Academy of Sciences (ÖAW)  
2011 Elected member of the American Academy of Microbiology (AAM)  
2001 EMBO Young Investigator Award (EMBO - YIP)  
1995-1997 Post-Doctoral Fellowship of the Deutsche Forschungsgemeinschaft (DFG)

## RESEARCH INTERESTS

- Ecology and evolution of Archaea with a focus on ammonia oxidizing archaea (metabolism and ecology), Asgard archaea (physiology and evolution) and hyperthermophilic Sulfolobales (DNA transfer and virus-host interactions)
- Development and application of metagenomic and metatranscriptomic, metabolomic and proteomic approaches to study natural microbial communities with a focus on terrestrial and arctic environments

## ORGANISATION OF SCIENTIFIC MEETINGS AND WORKSHOPS

- 2018 Main-organizer of EMBO Workshop: Molecular Biology of Archaea: From mechanisms to ecology, Vienna, Austria (September 2018, <https://meetings.embo.org/event/18-archaea>)
- 2017 Co-organizer and conference chair of International Symposium: Editing genomes with CRISPR, Vienna, Austria (October 2017, <https://rri.univie.ac.at/workshops-events/crispr-symposium/>)
- 2017 Co-organizer and Conference Chair of the Fifth International Conference on Nitrification and Related Processes (ICoN5), Vienna, Austria (July 2017, <https://icon5.univie.ac.at/welcome/>)
- 2015 Scientific Program Co-Organizer of SMBE conference –Society of Molecular Biology & Evolution, Vienna 2015
- 2015/13/11/09 Scientific Board of the biannual International Conference on Nitrification
- 2014 Session Convener. American Society of Microbiology Annual Meeting, Boston, USA
- 2007 Co-organizer of Congress: Thermophiles 2007, Bergen, Norway, Sept. 23-27<sup>th</sup>
- 2005 Co-initiator and -organizer of international meeting: Archaea, the first generation, to the honor of W. Zillig and K.O. Stetter, Munich, Germany
- 2003 Main initiator and organizer: Metagenomics 2003 -From Microbial Diversity to Function , The world-wide first international meeting on Metagenomics, in Darmstadt, Germany, supported by EMBO and NSF
- 2000-2001 Co-organizer of international seminar series: Women in Biosciences, Univ. of Technology Darmstadt, Germany

## COMMISSIONS OF TRUST (selected)

- 2020 - now Austrian representative on the council of the European Molecular Biology Laboratory and Conference (EMBL/EMBC)
- 2019 ERC panel (ERC-consolidator grants, panel LS8)
- 2019 - now Editorial board member of Frontiers in Microbiology/ Archaea Journal
- 2018 - now Editorial board of mBio Journal
- 2016 Evaluation panel for HEIKA (Heidelberg-Karlsruhe Research Partnership)
- 2016 - 2021 Main coordinator of the national FWF-funded doctoral School (DK-Plus): Microbial Nitrogen Cycling – From Single Cells to Ecosystems (with 10 Viennese research groups)
- 2013 – now Member of the Commission for Interdisciplinary Ecological Studies (KIÖS) of the Austrian Academy of Sciences (ÖAW)
- 2014 Review panel member on Environmental Sciences, Academy of Finland
- 2013 Review panel for Leibniz Institute DSMZ (German collection of microorganisms)
- 2011-2012 Senior Editor of ISME Journal
- 2008-2011 Member of editorial board Environmental Microbiology

- 2011 Co-Editor of Special issue on ‘Archaea’ in Current Opinion in Microbiology
- 2009, 2011 Co-Editor of two special issues on ‘Metagenomics’ in Environm. Microbiology
- 2009-2012 Main coordinator of InflammoBiota (Metagenomics and Metatranscriptomics for the investigation of the gut microbiota associated with inflammatory bowel disease). National consortium of 5 groups funded by the Austrian Genome Programme GEN-AU
- 2007-2010 Main coordinator of the international EU/ERA-NET project: SULFO-SYS (Silicon cell model for the central carbohydrate metabolism of the hyperthermophilic archaeon *Sulfolobus solfataricus* under temperature variation) within the European SYSMO initiative (Systems Biology of Microorganisms) with 6 international research groups.

### **FIELD WORK – Sampling Expeditions to Terrestrial Hot Springs:**

- 1993 Hokkaido, Japan
- 1994 Acores, Portugal
- 1995 Kamchatka, Russia (in the frame of International workshop on Thermophiles)
- 2005, 2010 Iceland
- 2013 Solfataras in Napoli and Ischia, Italy (with student class)
- 2013 Kiushu (Japan)
- 2016 Malaga, Spain
- 2017 Liparic Islands, Italy (with student class)
- 2018 Solfatara fields Naples and Ischia (Italy)
- 2019/2020 Piran, Slovenia

### **MEMBERSHIPS**

- Commission for Interdisciplinary Ecological Studies (KIÖS) of the Austrian Academy of Sciences (ÖAW)
- American Society for Microbiology (ASM)
- Deutsche Vereinigung für Allgemeine und Angewandte Mikrobiologie (VAAM)
- International Society for Microbial Ecology (ISME)
- Austrian Association of Molecular Life Sciences and Biotechnology (ÖGMBT)

### **PUBLICATIONS IN PEER REVIEWED JOURNALS: (Web of Science 09/2021)**

- listed publications: 146
- total citations: 15.369
- H-index (ISI Web): 64

### **INVITED INTERNATIONAL CONFERENCE TALKS (last ten years):**

- 11/2020 22nd EMBL PhD Symposium. Virtual meeting.
- 03/2020 EMBO – EMBL Symposium: The Organism and its Environment. Heidelberg, Germany.
- 01/2020 Workshop on (Meta-)Genomics. Český Krumlov, Czech Republic.
- 09/2019 The Biology and Biotechnological Application of Archaea & Re-Opening of the Archaea Fermentation Facility. Regensburg, Germany.
- 07/2019 Keynote lecture, Gordon Research Conference on Archaea 2019: Ecology, Metabolism and Molecular Biology, Les Diablerets, Switzerland
- 04/2019 Keynote lecture, NeLLi 2019 International Symposium on New Lineages of Life. San Francisco, USA
- 10/2018 GdR Archaea: From environmental biodiversity to fundamental cellular processes. Plouzané, France

12/2017 International workshop of the DFG CRISPR Forschungsgruppe, Berlin, Germany.  
10/2017 MDC Symposium 2017. Berlin, Germany.  
09/2017 SAME: 15<sup>th</sup> Symposium on aquatic microbial ecology. Zagreb, Croatia  
03/2017 6th Intern. Conference on Microbial Communication for Young Scientists. Jena, Germany.  
09/2016 German Archaea Tagung Schmittgen. Frankfurt, Germany.  
12/2015 Ecology of soil Microorganisms 2015, Prague, Czech Republic.  
07/2015 ICON4, International conference on nitrification, Alberta Canada  
12/2015 Astrobiology and Space Medicine workshop, Graz, Austria  
05/2014 3rd European CRISPR Meeting, Berlin, Germany  
05/2014 (Lecture and session convenor) Americ. Society of Microbiology Annual Meeting, Boston  
05/2014 Molecular Biology of Archaea 4 (MBOA4) Paris, France  
09/2013 ICoN3: Third International Conference on Nitrification. Tokio, Japan  
03/2013 VAAM and Joint conference of the German and Dutch Societies for Microbiology  
07/2012 Molecular Biology of Archaea 3, Marburg, Germany  
04/2011 Keynote lecture, Ecology of Soil microorganisms, Prag, Czech Republic  
08/2011 Keynote lecture, Gordon Research Conference: Archaea: Ecology, Metabolism and Molecular Biology, Waterville Valley, New Hampshir

### **TEACHING ACTIVITIES**

since 2008: lectures in the fieldS of Genetics in Ecology, Physiology of Microorganisms, and Molecular Evolution, laboratory courses and seminars (PhD, Master and Bachelor level).

since 2019: Organisation of interdisciplinary lecture series with international and national invited speakers on: Climate Change and Climate crisis (2019 as co-organiser and since 2020 as main organiser) with >2000 subscribed students.

### **OUTREACH ACTIVITIES**

- Research presented in Radio, TV and Newspapers
- Talks for schools and other institutions on microbiology or nitrogen pollution and climate change
- Greenlabs Initiative: <http://greenlabsaustria.at>