

## CURRICULUM VITAE

**Gerhard J. Herndl**

Bio-Oceanography Unit; Department of Functional and Evolutionary Ecology, University of Vienna, Djerassiplatz 1, 1030 Vienna, Austria

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Researcher ID at Web of Science: B-1513-2013

orcid.org/0000-0002-2223-2852

EDUCATION

University of Vienna, Habilitation in Ecology	Docent	1992
University of Vienna, Zoology	PhD	1982

THESIS WORK

Ph.D. thesis, University of Vienna: "The feeding behavior of *Actinia equina* (Actiniaria, Anthozoa) under experimental conditions"

Advisor: Prof. Erich Abel

Habilitation thesis, University of Vienna: "Marine snow in the Northern Adriatic Sea: possible causes and consequences for a shallow ecosystem" Promotor: Prof. Jörg A. Ott

PROFESSIONAL

Professor Emeritus of Biological Oceanography and Marine Biology from 2023 -  
Chair of Marine Biology and Head of Unit Bio-Oceanography & Marine Biology at the Dept.  
Functional and Evolutionary Ecology at the University of Vienna, Austria  
January 2009 - 2023

Adjunct Senior Scientist at the Royal Netherlands Institute for Sea Research  
January 2009 - 2023

Professor of Biological Oceanography at the University of Groningen (The Netherlands)  
January 1999 - 2009

Head of Department of Biological Oceanography at the Royal Netherlands Institute for Sea  
Research (NIOZ)  
April 1997 - Dec 2008

Assistant Professor at the Univ. of Vienna  
(Inst. of Zoology, Dept. of Marine Biology) 1994 - 1997

Research Biologist at the Univ. of Vienna  
(Institute of Zoology, Dept. of Marine Biology) 1983 - 1994

Post Doctoral Position at Scripps Institution of Oceanography,  
Univ. of California at San Diego, La Jolla, California  
Advisor: Prof. Farooq Azam 1988 - 1989

BIBLIOMETRICS: (ISI Web of Knowledge, as of 05 Feb 2025) h-index: 74

total number of ISI indexed publications: 310

total number of citations: 21,918

average citation per item: 70.25

number of citations in 2024: 1417

RESEARCH INTERESTS

- Marine Microbial and Molecular Ecology with emphasis on structure and function relationships in microbial communities

- Microbial Oceanography (linking the thermohaline circulation to the biogeography of prokaryotes and to biogeochemical cycling of organic matter particularly in the meso- and bathypelagic realm)
- Biotic and abiotic transformation of organic matter in the sea

### **GRANTS (over the last 14 years)**

- 2024: ERC Advanced Grant: Neutrally buoyant particles In the deep sea: turnover, origin and global impact on the marine carbon cycle realm (NEREIDES) (€ 2,841,791)  
Function: PI
- 2022: Austrian Science Fund (FWF): Shedding light on dark ocean's detrital particles.  
Function: PI (€ 590,247)
- 2022: Marie Skłodowska Curie Individual Fellowship for a Post Doc position for 2 years (€199,440.96), fellow: Maria Papadatou
- 2020: Austrian Science Fund (FWF): Decay of an invasive ctenophore bloom: PI (€ 299,376)
- 2020: EU Project ECOTIP: Arctic biodiversity change and its consequences: assessing, monitoring and predicting the effects of ecosystem tipping cascades on marine ecosystems services and dependent human systems. European Commission: Function: PI (€ 281.237)
- 2019: Lise-Meitner Grant for a Post Doc position for 2 years (€ 159,340), follow: Eduard Fadeev
- 2018: Marie Skłodowska Curie Individual Fellowship for a Post Doc position for 2 years (€178,156.80), fellow: Tinkara Tinka
- 2017: Grant from the Univ. of Vienna to establish a Research platform on Plastics in the Environment and Society (PLENTY); Function: PI (€ 409,000)
- 2016: Marie Curie Individual Fellowship for a Post Doc position for 2 years (€178,157), fellow: Chie Amano
- 2015: Austrian Science Fund (FWF): Architecture of marine snow-associated prokaryotic communities. Function: PI (€441,052)
- 2015: DOC grant of the Austrian Academy of Sciences for a PhD position for 3 years, (€111,000) fellow: Maria Pinto
- 2012: Marie Curie Individual Fellowship for a Post Doc position for 2 years (€180,191), fellow: Pedro Frade
- 2012: Marie Curie Individual Fellowship for a Post Doc position for 2 years (€180,191), fellow: Daniele de Corte
- 2011: Wittgenstein Prize (FWF) (€ 1.500,000)
- 2010: Austrian Science Fund (FWF): Microbial activity in the ocean's interior.  
Function: PI (€ 495,674)
- 2010: ERC Advanced Grant: Microbial Ecology of the Deep Atlantic Pelagic Realm (MEDEA) (€ 2.500,000) Function: PI
- 2010: ESF Eurocores project: Microbial oceanography of chemolithoautotrophic plankton communities (MOCA) (€ 533,000) Function: Coordinator
- 2010: Marie Curie Individual Fellowship for a Post Doc position for 2 years (€165,000): Itziar Lekunberri

*Career total (as of 01-12-2024): € 22.383,132.-*

### **TEACHING**

2009 - Introduction to Marine Science (fall term, 5 ECTS)

- 2016 - 2022 Microbial Oceanography Course (summer term, 10 ECTS)  
 2016 - 2022 Course: Current topics in Bio-Oceanography (summer term, 6 ECTS)  
 2009 - 2021 Biological Oceanography (fall term, 3 ECTS)  
 2009-2022 Microbial Oceanography (spring term, 3 ECTS)  
 2009-2014 Introductory Course Marine Biology (spring term, 6 ECTS)  
 2010-2014 Advanced Marine Ecology Course (spring and fall term, 10 ECTS)  
 2010-2022 Introduction to Ecology (fall term, 2 ECTS)  
 2000-2009 Introductory course in Marine Science at the Univ. of Utrecht  
 1998-2007 Course in Marine Science within the European College of Marine Sciences (jointly organized by the NIOZ, the MPI for Marine Microbiology, the AWI Bremerhaven and the Univ. of Bremen)  
 1998-2009 Lectures and Courses in Biological Oceanography (Univ. of Groningen, NIOZ)  
 1996 Lecturer at the University of Rostock (Germany): Biogeochemistry of Marine Aggregates  
 1995 Marine Ecology Course, Univ. of Vienna, Austria (Instructor-In-Chief, 10 hours per week)  
 1984-1997 Assistant Instructor in courses of the Institute of Zoology, University of Vienna:  
 Introduction to Comparative Anatomy  
 Advanced Comparative Anatomy  
 Advanced Marine Ecology (held at the Stazione Zoologica di Napoli, Naples, Italy, at the Marine Biology Station Piran, Slovenia and at the Center of Marine Research "Ruder Boskovic" Institute at Rovinj, Croatia)  
 Introductory Course to Marine Organisms  
 1990 Instructor of the part of the UNESCO course in limnology: Aquatic Microbial Ecology held at Vienna and Mondsee (Austria)  
 1992-1998 Aquatic Microbial Ecology Course, Univ. of Vienna, Austria (Instructor-In-Chief, 3 hours per week)  
 1990-1997 Nutrient Flux and Biogeochemistry in the world's oceans (class at the Institute of Zoology, Univ. of Vienna, 2 hours per week)  
 1988-now Supervisor of M.Sc. and Ph.D. students (at the University of Vienna, and the University of Groningen, The Netherlands)  
 1988 Instructor of the course of the Institute of Genetics and Microbiology, Univ. of Vienna: Microbial Ecology of Marine Systems (held at the Marine Biology Station at Calvi, Corsica, France)

### **CONFERENCE CONTRIBUTIONS (over the past 15 years)**

- 2025 Keynote lecture at the Xiamen Symposium on Marine Environmental Sciences, Xiamen, China  
 2024 Discussion leader at the Gordon Research Conference on "Marine Microbes" in Les Diablerets (Switzerland) of the session "Microbes in the Deep Sea"  
 2023 Invited speaker at the World Laureate Forum at Shanghai, China  
 2023 Session chair on Deep Sea Microbiology at the ASLO meeting at Palma di Mallorca, Spain  
 2022 Invited Speaker at the Gordon Research Conference on "Ocean Biogeochemistry" at Barcelona, Spain  
 2021 Invited Speaker at the Ramon Margalef summer school: A cross-system view of the biological C cycle in the Anthropocene. (virtual meeting, Barcelona, Spain)

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- 2019 Invited Speaker at Goldschmidt Conference at Barcelona, Spain
- 2019 Session chair at IMBeR Future Oceans 2 meeting at Brest, France
- 2019 Invited speaker at the Marine Particles and Phycosphere Conference at Lugano, Switzerland
- 2019 Invited speaker and session organizer at the ASLO meeting at San Juan, Puerto Rico
- 2017 Invited Speaker at the Mini-Symposium on the International Prize of Biology, Tsukuba, Japan
- 2017 IMBIZO-3 of IMBeR, leading the workshop 2 on metabolic diversity and climate change together with Tatiana Rynearson at Woods Hole Oceanographic Institution, Woods Hole, MA, USA
- 2017 SAME-15 at Zagreb, Croatia
- 2017 International Conference on Nitrogen (ICoN-5), at Vienna, Austria
- 2016 Invited lecture at 11<sup>th</sup> International Congress on Extremophiles at Kyoto, Japan
- 2016 Invited lecture at 5<sup>th</sup> International Workshop on Deep Sea Microbiology at Kyoto, Japan
- 2016 Invited speaker at the Gordon Research Conference on “Marine Biogeochemistry” at HongKong
- 2016 Ocean Sciences Meeting at New Orleans, USA
- 2016 Invited lecture at the Deep-Sea Microbial Ecology Symposium at the Institute of Marine Science at the University of Concepcion, Chile
- 2015: SAME-14 at Uppsala, Sweden
- 2015 ASLO meeting, Granada, Spain
- 2014 International Workshop Geo-Metabolomics: first steps towards a systems biology understanding of organic matter cycling in aquatic systems. Delmenhorst, Germany
- 2014 Session organizer at the Ocean Sciences Meeting at Hawaii
- 2013 Invited speaker SAME-13 at Stresa, Italy
- 2013 Co-Organizer, Session Chair and Speaker at the workshop: Frontiers in Ecological and Evolutionary Genomics, Noordwijkerhout, The Netherlands
- 2013 Session Chair: Hooking up in the Ocean, American Society of Microbiology, Denver, Colorado, US2013 ASLO meeting, New Orleans, USA
- 2012 Invited Speaker at the Biological Pump Workshop (NAACOS seminar) at the National Institute of Aquatic Resources (DTU Aqua, Copenhagen, Denmark
- 2012 Invited Speaker at the Microbial Carbon Pump Meeting at Delmenhorst, Germany
- 2012 Gordon Conference on Marine Microbes at Lucca, Italy
- 2012 Session Chair: ‘Shedding light on the dark ocean’ at the Ocean Science Meeting at Salt Lake City, USA
- 2011 Invited speaker at the SAME-12 in Rostock, Germany
- 2011 Invited speaker at the EGU meeting in Vienna, Austria
- 2011 Speaker at the ASLO meeting in San Juan, Puerto Rico
- 2010 Invited speaker and session organizer at the ISME-13 at Seattle, WA, USA
- 2010 Invited speaker at the Gordon Conference on Marine Microbes, Tilton, New Hampshire, USA
- 2010 Invited speaker at the Microbial Diversity and Function Workshop at Banylus sur mer, France

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- 2010 Meeting organizer of ICoMM progress meeting at USC Los Angeles, USA  
2009 SCOR-meeting on 'The oceanic carbon pump' at Xiamen, China  
2009 Meeting of the International Census of Marine Microbes (ICoMM) at Amsterdam, The Netherlands  
2009 Invited speaker at the Symposium of Aquatic Microbial Ecology (SAME-11) at Piran, Slovenia  
2009 EGU meeting, Vienna, Austria  
2009 Session organizer on Deep Sea Microbial Oceanography at the ASLO meeting at Nice, France

### **POST DOCS**

#### *Current:*

Eduard Fadeev, 2019-2025  
Maria Papadatou, 2023-2026  
Chie Amano, 2023-2028  
Kingli Guo, 2024-2026

#### *Past:*

Chie Amano, 2014-2022  
Alessandra Iannino, 2021-2022  
Tinkara Tinta, 2018-2020 (now Senior Researcher at the Marine Biology Station Piran, Slovenia)  
Abhishek Srivastava, 2014-2018  
Eva Sintés, 2002 – 2018 (now Research Professor at the Spanish Oceanographic Institute, IOE, Mallorca, Spain)  
Cristina Romera-Castilla, 2016-2017 (now: scientist at CSIC Barcelona, Spain)  
Roberta Hansman, 2011-2016 (now: scientist at Woods Hole Oceanographic Institution, USA)  
Juan A. Garcia, 2011-2016  
Daniele de Corte, 2012-2016 (now: Post Doc at JAMSTEC, Japan)  
Pedro Frade, 2011-2015 (now: Post Doc at AIMS, Townsville, Australia)  
Itziar Lekunberri, 2010-2012  
Dominique Lamy, 2009-2011 (now: scientist at the Pierre & Marie Curie-Sorbonne Univ., France)  
Alejandra Calvo-Diaz, 2009-2011  
Taichi Yokokawa, 2007-2010 (now: Senior Scientist at Japan Marine Science and Technology, Japan)  
Yao Zhang, 2008 (now: Professor at Xiamen University, PR China)  
Georgina Spyres, 2006 – 2008 (now: scientist at Hellenic Center for Marine Research at Athens, Greece)  
Thomas Reinthaler, 2005 – 2008 (now Senior Scientist at the Dept. Functional and Evolutionary Ecology, Univ. of Vienna, Austria)  
Helene Agogue, 2006 – 2008 (now: Research Scientist at Inst. of Sea Research at La Rochelle, France)  
Marta Varela, 2005 – 2007 (now: research scientist at Univ. of Coruña, Spain)  
Jesus Maria Arrieta, 2005 (now: CSIC Tenerife, Spain)  
Karen Stoderegger, 2001 – 2004  
Eva Teira, 2002 – 2004 (now: Professor at Univ. of Vigo, Spain)  
Markus Weinbauer, 2000 – 2002 (now Senior Scientist at LOV, Villefranche sur mer, France)  
Maria Teresa Perez, 2000 – 2001 (now: research scientist at Univ. of Innsbruck,

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Austria)

Ingrid Obernosterer, 2000 (now: Senior Scientist at LOMIB, Banyuls sur mer, France)

### **PhD and MSc STUDENTS**

#### *Current:*

Marilena Heitger, PhD thesis 2022-  
Dmyro Spriahailo, PhD thesis 2022-  
Guillem Coll Garcia, PhD thesis 2024-  
Cassandra Roch, MSc thesis 2021-  
Mirjam Aubert, MSc thesis 2022-  
Dacimoneida del Carmen Brito Peña, MSc thesis 2022  
Helena Silberhumer, MSc thesis 2023-  
Vera Hechtl, MSc thesis 2023-  
Sara Joy Bowen, MSc thesis 2023-  
Simon Preiss, MSc thesis 2024-  
Lisa Abele, MSc thesis 2024-  
Maria Alice Radu, MSc thesis 2024-  
Manuela Quiroga, MSc thesis 2024-  
Linn Ødegaard Yttrelid, MSc thesis 2024-  
Nathalie Koberwein, MSc thesis 2024-  
Jan Euerling, MSc thesis 2024-

#### *Past:*

Rainer Amon, M.S.thesis 1988 – 1989 (now: Prof. at Univ. of Texas at Austin,  
Galveston, USA)  
Markus Karner, M.S. thesis 1989 – 1991 (now: environmental consulting agency, Singapore)  
Alexander Bochdansky, M.S. thesis 1990 – 1992 (now: Prof. at Old Dominion Univ.,  
Virginia, USA)  
Elisabeth Kaltenböck, M.S. thesis 1990 – 1992, Ph.D. thesis 1992 – 1998  
Markus Moeseneder, M.S. thesis 1992 – 1994, Ph.D. thesis 1994 – 2001  
Barbara Berger, M.S. thesis 1991 – 1992, Ph.D. thesis 1992 – 1995  
Birgit Hoch, M.S. thesis 1991 – 1992, Ph.D. thesis 1992 – 1995  
Jürgen Frick, M.S. thesis 1991 – 1992  
Gerald Müller-Niklas, M.S. thesis 1991 – 1993, Ph.D. thesis 1993 – 1996  
Gerda Böröcz, M.S. thesis 1992 – 1993  
Hannes Rath, Ph.D. thesis 1991 – 1993 (now: research scientist at Univ. of Vienna,  
Austria)  
Andreas Heissenberger, M.S. thesis 1992 – 1993, Ph.D. thesis 1993 – 1996 (now:  
scientist at Environmental Protection Agency, Vienna, Austria)  
Doris Slezak, M.S. thesis 1992 – 1994, Ph.D. thesis 1994 – 2000  
Ingrid Obernosterer, M.S. thesis 1992 – 1994, Ph.D. thesis 1994 – 2000 (now: senior  
scientist at IOB, Banyuls sur mer, France)  
Stefan Schuster, M.S. thesis 1993 – 1994, Ph.D. thesis 1994 – 1997  
Bettina Reitner, M.S. thesis 1994 – 1996, Ph.D. thesis 1996 – 2001 (now: Austrian  
Science Foundation, Vienna, Austria)  
Martin Agis, M.S. thesis 1994 – 1996  
Edith Kaiser, M.S. thesis 1994 – 1996 (now: Assist. Prof. at Univ. of Zürich,  
Switzerland)  
Albert Brugger, M.S. thesis 1994 – 1996, Ph.D. thesis 1996 – 2000  
Silvia Hager, Ph.D. thesis 1994 – 1996

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Clemens Pausz, M.S. thesis 1995 – 1997, Ph.D thesis 1997 – 2002  
Karen Stoderegger, M.S. thesis 1995 – 1997, Ph.D thesis 1997 – 2000  
Lilly Hocke, M.S. thesis 1996 – 1997  
Barbara Dusek, M.S. thesis 1996 – 1997  
Iris Kremlizcka, M.S. thesis 1997 – 1998  
Christian Winter, M.S. thesis 1998 – 1999, Ph.D. thesis 2000 – 2004 (now: Senior Scientist at the Dept. of Functional and Evolutionary Ecology, Univ. of Vienna, Austria)  
Michael Schauer, M.S. thesis 1998 – 1999  
Astrid Schnetzer, Ph.D. thesis 1997 – 2001 (now: Assoc. Prof. at North Carolina State Univ., USA)  
Alexander Domnanovic, M.S. thesis 2000-2001  
Timea Szökes-Denes, M.S. thesis 2001 – 2002  
Jesus Maria Arrieta, Ph.D. thesis 1996 – 2005 (now: CSIC Tenerife, Spain)  
Heidi Pirker, M.S. thesis 2001 – 2004  
Thomas Reinthaler, Ph.D. thesis 2000 – 2006, now Senior Scientist at Univ. of Vienna  
Anne-Carlijn Alderkamp, Ph.D. thesis 2000-2006  
Veronica Parada, Ph.D. thesis 2002-2008  
Federico Baltar, PhD thesis 2007-2010, now Assoc. Prof. at Univ. Vienna  
Kerstin Olbrich, M.S. thesis 2010-2011  
Thomas Griessler, M.Sc. thesis, 2010-2011  
Julie Dinasquet, MSc thesis 2007  
Daniele de Corte, Ph.D. thesis 2007 – 2011  
Adam Klimiuk, Ph.D. thesis 2009-2012  
Carl Kruspe, M.S. thesis 2011-2012  
Ishraga Usman, Ph.D. thesis 2008 – 2012  
Paul Steiner, M.S. thesis 2011-2013, PhD thesis, 2014-2020  
Franziska Eibenberger, M.Sc. thesis 2011-2013  
Claudia Sulzer, M.Sc. thesis 2011-2013  
Beate Husein, M.Sc. thesis 2011-2013  
Katharina Roll, M.Sc. thesis 2012-2013  
Lisi Scharnreitner, M.Sc. thesis 2013-2013  
Pavla Debeljak, M.Sc. thesis 2013-2014; PhD thesis: 2016-2019 (co-supervision with Ingrid Obernosterer, Univ. of Paris, Sorbonne, now: Assist. Professor at Sorbonne)  
Barbara Bayer, M.Sc. thesis 2013-2014, Ph.D. thesis 2014-2019, now Assist Prof. at Univ. of Vienna  
Johanna Tiroch, M.Sc. thesis 2013-2014  
Benjamin Pontiller, M.Sc. thesis 2014-2015  
Damaris Urban, M.Sc. thesis 2013-2015  
Bettina Glasl, MSc. thesis 2014-2015  
Ariana Peterca, MSc. thesis 2015-2016  
Alexander Frank, PhD. thesis 2011-2017  
Teresa Langer, MSc. thesis 2016-2017  
Paula Polania Zenner, MSc. thesis 2017-2018  
Kristin Bergauer, PhD thesis 2009-2018, now Junior Group Leader at GEOMAR, Germany  
Gabriela Dangl, MSc thesis 2016-2018  
Julia Stefanschitz, MSc thesis 2017-2018  
Nicole Köster, PhD thesis 2012-2019  
Meriel Bittner, MSc thesis 2017-2019  
Lukas Malfertheiner, MSc thesis 2019-2020

Alvaro Escobar, MSc thesis 2019-2020  
Maximilian Patraki, MSc thesis 2019-2020  
Christian Jansen, MSc thesis 2017-2020  
Julia Steiger, MSc thesis 2018-2020  
Elisabeth Haberleitner-Clifford, PhD thesis 2013-2020  
Maria Pinto, PhD thesis 2016-2020  
Jennifer Hennenfeind, MSc thesis 2020-2021  
Marion Vial, MSc thesis 2021-2021  
Sabine Weidlich, MSc thesis 2020-2021  
Zihao Zhao, PhD thesis 2016-2021  
Viktoria Keller, MSc thesis 2020-2022  
Murat Kisadur, MSc thesis 2018-2022  
Cecile Carpaneto, MSc thesis 2022  
Lubrina Signe Levin Nilsen, MSc thesis 2022-2023  
Chiara Colonna, MSc thesis 2023  
Julia Wolfer, MSc thesis 2022-2024  
Helena Cvetkovic, MSc thesis 2023-2024  
Johanna Sonnleitner, MSc thesis 2023-2024  
Margarida Reis Perfeito, MSc thesis 2023-2024  
Michael Mattner, MSc thesis 2023-2024

MEMBER of PhD THESIS COMMITTEES

*Current:*

Valerio Anelli (ETH Zürich, Switzerland)

*Past:*

Gabriela Dangl (Institute for Baltic Sea Studies, IOW, Warnemünde, Germany)  
Helene Walch (Univ. Vienna, Austria)  
Charlotte Henkel (Univ. Vienna, Austria)  
Miguel Cabrera Brufau (Univ. Barcelona, Spain)  
Katharina Kitzinger (Max-Planck Institute for Marine Microbiology, Bremen, Germany)  
Guillem Salazar (CSIC Barcelona, Spain)  
Victor Hernando Morales, (University of Vigo, Spain)  
Carlo Berg (University of Rostock, Germany)  
Christina Bienhold (Max-Planck Institute for Marine Microbiology, Bremen, Germany)  
Clara Ruiz (CSIC Barcelona, Spain)  
Christian Stolle (Baltic Sea Institute (IOW, Warnemünde, Germany)  
Federico Baltar (University of the Canary Islands, Las Palmas, Spain)  
Raffaella Cattaneo (Laboratoire d'Océanographie de Villefranche (LOV)  
Birgit Luef (Dept. Limnology, Univ. of Vienna, Austria)  
Jasper de Goeij (NIOZ, Univ. Groningen, The Netherlands)  
Anne-Claire Baudoux (NIOZ, Univ. Groningen, The Netherlands)  
Marjolijn Tijdens (NIOO-CL, Univ. Utrecht, The Netherlands)  
Bart Veuger (NIOO-CEME, Univ. Utrecht, The Netherlands)  
Cornelia Wuchter (NIOZ, Univ. Utrecht, The Netherlands)  
Osana Bonilla (Univ. of Paris, France)  
Carol Mancuso Nichols (Univ. of Tasmania, Australia)  
Sander Scheffers, NIOZ, Univ. Amsterdam (Netherlands)  
Corina P.D. Brussaard, Univ. of Groningen (Netherlands)  
Jasper van Hemst, Univ. of Utrecht (Netherlands)



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Niels Ekelund, Univ. of Lund (Sweden)  
Xavier Mari, Univ. of Paris (France)  
Geraldine Kramer, Univ. of Rostock (Germany)  
Markus Karner, Univ. of Paris (France)  
Bea Hondeveld (Univ. Amsterdam, Netherlands)  
Gert-Jan Gast (Univ. Amsterdam, Netherlands)  
Tom Battin, Univ. of Vienna (Austria)  
Thomas Hein, Univ. of Vienna (Austria)  
Wairimu Muia, Univ. of Vienna (Austria)  
Herwig Ranner, Univ. Vienna (Austria)  
Wolfgang Huber, Univ. Vienna (Austria)  
Petra de Goeij, Univ. Groningen (Netherlands)  
Peter Boelen, Univ. Groningen (Netherlands)  
Jody de Brouwer, Univ. Nijmegen (Netherlands)  
Edith Kaiser, EAWAG (Switzerland)  
Johanna Waska, Univ. Vienna (Austria)  
Andrea Malits, Univ. Vienna (Austria)  
Sophie Beauvais (Univ. Paris VI, France)  
Daniel Abed-Navandi (Univ. Vienna, Austria)

### **AWARDS**

2024 ERC Advanced Grant  
2022, 2023, 2024 Research.com Ecology and Evolution in Austria Leader Award  
2017 ASLO Fellow  
2014 G.E. Hutchinson Award of ASLO  
2013 Elected Member of the Austrian Academy of Sciences  
2012 Most cited Aquatic Biologist of Germany, Austria and Switzerland (Labjournal, April 2012)  
2011 Wittgenstein Prize of the Austria Science Fund (FWF)  
2011 Corresponding Member of the Austrian Academy of Sciences  
2010 ERC Advanced Grant  
2006 2006EurOceans Roland Wollast Award for Scientific Achievements 1982: Theodor Körner Award

### **SERVICE TO THE UNIVERSITY**

Director of the Vienna Doctoral School of Ecology and Evolution of the University of Vienna from 2020-2023  
Vice-Dean of the Fac. of Life Sciences of the University of Vienna from 2018-2020  
Dean of the Faculty of Life Sciences of the University of Vienna from 2014-2018  
Deputy Head of the Department of Limnology & Oceanography from 2013-2018  
Head of Division Bio-Oceanography from 2013-  
Head of the Department Marine Biology from 2008-2013  
Director of the PhD program of the Faculty of Life Sciences from 2009-2013  
Director of the Center of Ecology from 2012-2014  
Vice-Director of the Center of Ecology from 2008-2012

### **SERVICE TO THE SCIENTIFIC COMMUNITY**

**Member of the Austrian Biodiversity Commission, 2025-**  
**Member of the G. Evelyn Hutchinson Award Subcommittee of ASLO, 2024-2027**  
**Member of Commission of Biodiversity Austria of the Austrian Academy of Sciences,**

2024-2029

**Member of the Austrian Committee of the International Union for Geodesy and Geophysics (IUGG) 2022-**

**International Advisory Committee of Global Ocean Negative Carbon Emission (ONCE), 2023-**

**Member of the Organizing Committee of the ASLO meeting in Palma di Mallorca, Spain (2023)**

**Head of the External Evaluation Panel** of the Biological Department at the University of Cyprus (14-15 Jan 2021)

**Member of the G. Evelyn Hutchinson Award Subcommittee of ASLO, 2024-2027**  
**International Advisory Committee of Global Ocean Negative Carbon Emission (ONCE), 2023-**

**Member of the SCOR working group: Respiration in the Mesopelagic Ocean (ReMO): Reconciling ecological, biogeochemical and model estimates (WG 161, 2020-2026)**

**Head of the Scientific Advisory Board of the Oceanology Observatory of Banyuls sur mer, France (2017-2019)**

**Head of the Scientific Advisory Board of the WasserCluster Lunz, Austria (2012- 2025)**

**Member of the Scientific Advisory Board of the Leibniz-Institut für Ostseeforschung Warnemünde (2016-2025)**

**Member of the ESF College of Expert Reviewers (2017-2019)**

**Member of the Scientific Advisory Board of the Ocean Clean Up Initiative (2016- 2021)**

**Member of the Scientific Advisory Board of the Red Sea Research Center at KAUST, Saudi Arabia (2014-2017)**

**Member of the Vladimir Ivanovich Vernadsky Medal Committee of the European Geosciences Union (2016-2019)**

**Member of the Scientific Advisory Board of the Ruder Boskovic Institute, Zagreb, Croatia (2016-2022)**

**Member of the Scientific Board of the International Society of Environmental Geochemistry (ISEG), 2015-2017**

**Member of the Science Steering Committee of IMBER (Integrated Marine Biogeochemistry and Ecosystem Research, co-sponsored by SCOR and Future Earth, 2014-2019)**

**Member of the Scientific Advisory Board** of the Institute for Chemistry and Biology of the Sea at the Univ. of Oldenburg, Germany, 2008-2011, 2011-2014

**Member of the Award Panel** at ASLO, 2015-2017

**Member of the Review Panel** of the University of Otago, Dunedin, New Zealand (May 2015)

**Member of the Organizing Committee of the ASLO meeting in Granada, Spain (2014-2015)**

**Member of the international Organizing Committee of SAME-11, SAME-12, SAME-13, SAME-14, SAME-15, SAME-16, SAME-18**

**Member-At-Large of the Association for the Sciences of Limnology and Oceanography (2012-2013)**

**Corresponding Member of the Austrian Academy of Sciences, May 2011-May 2013**

**Member of the IMBER/SOLAS working group on Carbon Research** from 2005- 2008, expert for the mesopelagic/bathypelagic

**Member of the Steering Committee of the International Census of Marine**

**Microorganisms (ICoMM) as part of the Census of Marine Life (CoML) from 2005-2010**

**Member of the SCOR working group: The Microbial Carbon Pump in the Ocean (2008-**

2012)

**Associate Member of the SCOR working group:** Role of viruses in marine ecosystems (2006-2010)

**Member of the Advisory Board of the Dutch Marine Facilities** of the Dutch Science Foundation from 2003-2005

**President of the Microbiology Section of CIESM** (Commission of the Scientific Exploration of the Mediterranean Sea) (2001-2007)

**External Reviewer for Applications for Promotion to Full Professor and Tenure positions/ Habilitations** for the Univ. of British Columbia at Vancouver (Canada), Univ. of Nice (France), Univ. of Paris VI (France), Univ. of Connecticut (USA), Univ. of Hamburg (Germany), Univ. of Oldenburg (Germany), Univ. of Bremen (Germany), Rutgers State Univ. of New Jersey (USA), State University New York at Stony Brook (SUNY) (USA), Univ. of California Santa Barbara (USA), Univ. of Zurich (Switzerland), Woods Hole Oceanographic Institution (USA), MIT (USA), Univ. of South Bohemia Ceske Budejovice (Czech Republic), University of Trebon (Czech Republic), Max Planck Institute for Marine Microbiology (Germany), University of Salzburg (Austria), University of Bremen (Germany), MIT (USA)

**Ad-hoc reviewer for National Science Foundations:**

US-NSF, US-NOAA, NSERC-Canada, NERC-UK, French CNRS, French ANR, Austrian Science Foundation (FWF), Dutch Science Foundation (NWO), European Research Council, Interamerican Science Foundation (US- South America), Finnish Academy of Science, French ANR, French CNRS, Greek Ministry of Education and Science, German-Israeli Cooperation in Marine Science, Israel Science Foundation, Deutsche Forschungsgemeinschaft (German Research Foundation), Academy of Science of the Czech Republic, European Research Council, Danish National Research Foundation, Leibniz Gemeinschaft-Germany, King Abdullah University of Science and Technology (KAUST-Saudi Arabia),

**Appointed Reviewer for and Adviser to the Research Council of Norway** for Terrestrial and Aquatic Microbial Ecology and Biotechnology (2000-2007)

**Editor of** Aquatic Microbial Ecology (2002-)  
Marine Ecology (2001-2013)  
Limnology & Oceanography: Methods (2003-2014)  
Biogeosciences (2009-2019)  
Frontiers in Microbiology (2011-2015)  
Frontiers in Marine Science (2019-)

**Editorial Board of The ISME Journal** (2012-2014)

**Member of the Nomination Committee of the American Society of Limnology and Oceanography** (2000-2004 & 2010-2011)

**Chair of the Nomination Committee of the American Society of Limnology and Oceanography** (2004)

**Reviewer of CEC-proposals** in the 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> Framework program of the Commission of the European Community (CEC)

**Reviewer of ERC Advanced Grant proposals** (2009, 2011, 2025)

**Reviewer of the ERC Synergy Grant proposals** (2012)

**Reviewer of the ERC Consolidator Grant proposals** (2023, 2024)

**Congress (co)organizer over the past 10 years**

- 2025 Member of the International Organizing Committee of SAME-15 held at Barcelona, Spain in Sept 2025
- 2022 Member of the International Organizing Committee of the ASLO meeting 2023 at Palma, Mallorca, Spain
- 2021 Member of the International Organizing Committee of the ASLO meeting 2021, virtual meeting
- 2019 Member of the International Organizing Committee of SAME-16 held at Potsdam, Germany in Sept 2019
- 2017 Organizer of the workshop “Metabolic diversity and evolution in marine biogeochemical cycling and ocean ecosystem processes” in the frame of IMBeR-IMBIZO-3 held at Woods Hole Oceanographic Institute in Oct together with Tatiana Rynearson
- 2017 Member of the International Organizing Committee of SAME-15 held at Zagreb, Croatia in Sept 2017
- 2015/2014 Member of the International Organizing Committee of SAME-14 held at Uppsala, Sweden in Sept 2015
- 2014 Member of the International Organizing Committee of the ASLO meeting 2015 at Granada (Spain)
- 2014 Co-organizer of the session ‘Shedding light on the dark ocean’ at the Ocean Sciences Meeting at Hawaii together with Ramunas Stepanauskas
- 2013 Co-Organizer and Session Chair at the workshop: Frontiers in Ecological and Evolutionary Genomics, Noordwijkerhout, The Netherlands
- 2013 Session Chair: Hooking up in the Ocean, American Society of Microbiology, Denver, Colorado, USA
- 2012 Session Chair at the Ocean Sciences Meeting at Salt Lake City

**REVIEWS and EVALUATIONS****Journals**

Aquatic Biology; Aquatic Ecology; Aquatic Sciences; Applied Environmental Microbiology; Archiv f. Hydrobiologie/Ergebnisse der Limnologie; Arctic, Antarctic, and Alpine Research; Biogeochemistry; Biogeosciences; BMC Microbiology; Botanica Marina; Canadian Journal of Fisheries and Aquatic Sciences; Cell; Chemosphere; Communications Biology; Continental Shelf Research; Coral Reefs; Deep Sea Research; Ecology Letters; Ecosystems; Environmental Microbiology; Environmental Science & Technology; Estuaries; Estuarine, Coastal and Shelf Sciences; FEMS Microbiology Ecology; FEMS Microbiology Reviews; Frontiers in Marine Science, Frontiers in Microbiology; Geophysical Research Letters; Hydrobiologia; Indian Journal Marine Science; ISME Journal; Journal of Experimental Marine Biology and Ecology; Journal of Geophysical Research – Oceans; Journal of the Marine Biological Association of the United Kingdom; Journal of Marine Systems; Journal of Microbiological Methods; Journal of Photochemistry and Photobiology; Journal of Plankton Research; Journal of Sea Research; Limnology & Oceanography; Limnology & Oceanography:Methods; Marine Biology; Marine Chemistry; Marine Ecology; Marine Ecology Progress Series; Marine Environmental Research; Marine and Freshwater Research; mbio; Microbial Ecology; Microbiological Research; Molecular Ecology; National Geographic; Nature; Nature Microbiology; Nature Reviews: Microbiology; Nature Communications, Ocean Dynamics; PLoS ONE, Polar Biology; Polar Research; Proceeding National Academy of Science USA (PNAS); Progress in Oceanography; Science; Science Advances; Soil Biology and Biochemistry; Toxicological and Environmental Chemistry; Trends in Ecology & Evolution, mSystems

Member of the Editorial Board of Marine Microbial Food Webs (1992-1995)

Member of the Editorial Board of Aquatic Microbial Ecology (1995-2002)

### **OCEANOGRAPHIC RESEARCH CRUISES**

- 1985 – 1995 one-day cruises on R/V Vila Velibita (Adriatic)
- 1988 R.V. New Horizon (off California, 1 week)
- 1990 R.V. Discovery (North Atlantic, 5 weeks)
- 1994 R.V. Thethys II (Mediterranean Sea, 1 week)
- 1999 R.V. Pelagia (North Atlantic, 3 weeks)
- 2000 R.V. Pelagia (North Sea, 2 times 2 weeks)
- 2001 R.V. Navicula (coastal North Sea, 1 week)
- 2001 R.V. Pelagia (Mediterranean, Atlantic, 2 weeks, Chief Scientist)
- 2002 R.V. Pelagia (North Sea, 2 weeks)
- 2002 R.V. Pelagia (North Atlantic, 4 weeks, Chief Scientist)
- 2003 R.V. Pelagia (North Atlantic, 4 weeks, Chief Scientist)
- 2003 R.V. Pelagia (Mediterranean Sea, 3 weeks, Chief Scientist)
- 2004 R.V. Polarstern (Atlantic sector of Southern Ocean, 9 weeks)
- 2004 R.V. Pelagia (Mauritanian upwelling, subtropical North Atlantic gyre, 4 weeks, Chief Scientist)
- 2005 R.V. Pelagia (North Atlantic gyre, 4 weeks, Chief Scientist)
- 2006 R.V. Pelagia (North Atlantic gyre, 4 weeks, Chief Scientist)
- 2007/08 R.V. Pelagia (North Atlantic gyre, 4 weeks, Chief Scientist)
- 2010 R.V. Pelagia (North Atlantic gyre, 4 weeks, Chief Scientist)
- 2011 R.V. Pelagia (North Atlantic, 4 weeks, Chief Scientist)
- 2012 R.V. Pelagia (northern North Atlantic, 4 weeks, Chief Scientist)
- 2023 R.V. Pelagia (northern North Atlantic, 3 weeks, Chief Scientist)
- 2025 R.V. Pelagia (northern North Atlantic, 4 weeks, Chief Scientist)

### **MEMBERSHIP IN INTERNATIONAL SOCIETIES**

American Society of Limnology & Oceanography, now: Associations of the Societies of Limnology and Oceanography (since 1989)

American Society of Microbiology (1989-2010)

International Society for Microbial Ecology (2006-2017)

International Society for Environmental Geochemistry (2015-2018)