

Curriculum Vitae

Dr. Joschka Wiegleb

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Personal information

Name: Dr. Joschka Wiegleb
Adress: University of Basel, Program MGU, Vesalgasse 1, CH-4051 Basel
Day and place of birth: 12.05.1993 in Schwalmstadt, Germany
Nationality: german
contact: Tel.: + 49 176 247656 57
E-Mail: Joschka.wiegleb@unibas.ch
Website: <https://joschkawiegleb.github.io>
Orcid: 0000-0003-2000-532X

Married, with two children (*2019 and 2020)

Employment

Since 02/2023 PostDoc, International Centre for Ecohydraulic Research (ICER), University of Southampton, United Kingdom (fellowship)

01/2022 – 01/2023 PostDoc, Program MGU, University of Basel, Switzerland

Education

12/2017 – 01/2022 PhD student, Dissertation title: 'Hydraulic burden and swimming behaviour of benthic fish in a vertical slot fish pass', University of Basel, Switzerland, grade: 5.5 (Magna cum laude), defended on 06/01/2022, Supervisor: Prof. Dr. Patricia Burkhardt-Holm

10/2015 – 09/2017 M.Sc. Aquaculture, thesis title: 'About the feeding ecology of the round goby', University of Rostock, Germany, Thuenen-Institute of Baltic Sea Fisheries, grade: 1.7, Supervisor: Dr. Daniel Oesterwind

10/2012 – 09/2015 B.Sc. Biology, thesis title: 'Construction of an aquatic system for incubation of cod (*Gadus morhua*) and lumpsucker (*Cyclopterus lumpus*) eggs with documentation of their development', grade: 2.6, University of Düsseldorf, Germany, Supervisor: Prof. Dr. Christopher Bridges

Practical experience

07/2017 – 08/2017 Research assistant, Thuenen-Institute for Baltic Sea Fisheries, Rostock, Germany

06/2017 – 07/2017 Voluntary work, Thuenen-Institute for Baltic Sea Fisheries, Rostock, Germany

01/2017 – 02/2017 Internship, Thuenen-Institute for Baltic Sea Fisheries, Rostock, Germany
08/2016 – 09/2016) (2 months)

06/2016 – 02/2017 Research assistant, Mecklenburg-Vorpommern Research Centre for Agriculture and Fisheries, Institute of Fisheries, Research Station Aquaculture, Born a. Darss, Germany

09/2015 – 10/2015 Internship, Mecklenburg-Vorpommern Research Centre for Agriculture and Fisheries, Institute of Fisheries, Research Station Aquaculture, Born a. Darss, Germany

Supervision of students

08/2022 – 05/2023 Master thesis of Lucas Bergmann, 'Microplastics pollution and animal swimming behaviour', Master of Sustainable Development, University of Basel, Switzerland

06/2021 – 03/2022 Master thesis of Nandhakumar Govindasamy, 'What is the physical benefit of staying close to the ground in flowing water in benthic fish?', Master of Sustainable Development, University of Basel, Switzerland

Teaching

SpS (Spring semester) 2022	Tools and Methods of Natural Sciences Research, 3 ECTS (Credit Points)
FS (Fall semester) 2019, FS 2020, FS 2021, FS 2022	Critical Reading Seminar, Master of Sustainable Development, University of Basel, 1 ECTS
02/2020	One-day workshop 'Fischwohl und Forschung' in 'Fachkurs Aquakultur' of the University of Applied Science Bern, Switzerland
FS 2018 – FS 2022	Organisation of the Life Science Kolloquium, Master of Sustainable Development, University of Basel, 1 ECTS

Review activity for scientific publications

06/2020	Article review for 'Journal of Aquacultural Engineering'
10/2020	Article review for 'Journal of Great Lakes Research'
08/2021	Article review for 'Ecology and Evolution'
11/2021	Article review for 'Ecology and Evolution'

Acquired third-party funds

12/2022	Postdoc.Mobility fellowship of the Swiss National Science Foundation (SNSF), amount: 158,248 CHF, project number: 214358, duration: 24 months
SpS 2021	Funding for scientific assistant support for one semester from the program 'Get on Track' of the University of Basel to support PhD students in parenthood (ca. 2800 CHF)
SpS 2020	Funding for scientific assistant support for one semester from the program 'Get on Track' of the University of Basel to support PhD students in parenthood (ca. 2800 CHF)

Personal skills

Languages:

German	Native speaker
English	Level C1 (CEFR)
Spanish	Level B1 (CEFR)
Latin	Latinum

IT:

Microsoft Office (Word, Excel, PP)	Daily use
R	Daily use
Matlab	Good skills
Python	Daily use
Blender	Good skills
GPower	Good skills
ImageJ	Good skills
LibreCad	Good skills

Continuing education during the PhD

SpS 2021	Course: Konstruktive Konfliktlösung (30 h working hours), organizer: University of Basel, Switzerland
SpS 2021	Course: Boost Your Career: Fit for Own Third-Party Funding (30 h working hours), organizer: University of Basel, Switzerland
02/2021	Course: Python Crash Course (for Beginners) (10 h working hours), Veranstalter: Universität Basel, Switzerland

AS 2020	Course: Meine erste Lehrveranstaltung unter Berücksichtigung der digitalen Lehre (30 h Arbeitsaufwand), organizer: University of Basel, Switzerland
AS 2020	Course: Writing for Publication in the Natural and Life Sciences (30 h working hours), organizer: University of Basel, Switzerland
AS 2020	Course: Writing Workflow: Forming Your Next Research Article (30 h working hours), organizer: University of Basel, Switzerland
05/2019	Course: Optimizing Research Data Management (14 h working hours), organizer: University of Basel, Switzerland
AS 2019	Course: Rapid prototyping for measurement systems, automation, control, artificial intelligence, and virtual reality (60 h working hours), organizer: University of Basel, Switzerland
01/2019	Course: Das Tierwohl (Bestandteil des Fachkurses Aquakultur) (8 h working hours), organizer: University of Applied Science Bern, Switzerland
AS 2018	Course: Filmmaking for Scientists (30 h working hours), organizer: University of Basel, Switzerland
12/2018	LTK Modul 6E: Weighing of interests (6 h working hours), organizer: ETH Zürich, Switzerland
10/2018	Tierschutz-Kurs P: Arttypisches Verhalten: Haltung, Betreuung und Pflege von Fischen in der Praxis (6.5 h working hours), organizer: Ecotoxolutions, Switzerland
03/2018	LTK Modul EGA: Introductory Course in Laboratory Animal Science (8 h working hours), organizer: ETH Zürich, Switzerland

Additional Qualifications

Basics of Laboratory Animal Science according to FELASA B

Exam for Ordinance on Aptitude of Instructors of the Chamber of Commerce and Industry, Rostock, achieved points: 89 / 94, grade: good

International Certificate for Operators of Pleasure Craft in Inland Waters

International Certificate for Operators of Pleasure Craft on the Waterways navigable by sea-going ships

Driver's license, class B