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RESEARCH INTERESTS

Interference competition in bacteria
 Bacterial cooperation

METHODS

Experimental microbiology
 Fluorescence microscopy

ACADEMIC HISTORY

Research Fellow , Department of Zoology, University of Oxford, United Kingdom BBSRC Discovery Fellowship	05/2021 – present
Postdoctoral Researcher , Department of Zoology, University of Oxford, United Kingdom Advisor: Prof. Kevin Foster	11/2017 – 04/2021
PhD , Life Science Zurich Graduate School, University of Zurich, Switzerland Thesis title: "Evolution of cooperation and virulence in an opportunistic pathogen" Advisor: Prof. Rolf Kümmerli	6/2013 – 9/2017
Master of Science , Microbiology and Immunology, ETH Zurich, Switzerland	9/2011 – 4/2013
Bachelor of Science , Biology, LMU Munich, Germany	9/2008 – 6/2011

SCHOLARSHIPS AND AWARDS

FEMS Early Career Microbiologist Award https://fems-microbiology.org/and-the-winner-is-2/	6/2021
BBSRC Discovery Fellowship	2/2021
SNF Postdoc Mobility Fellowship	4/2019
SNF Early Postdoc Mobility Fellowship	11/2017
ASM Student and Postdoctoral Travel Award	3/2016
Research Fund of the University of Zurich (Forschungskredit)	1/2016
Student Oral Presentation Award, Evolutionary Medicine Conference, Zurich	7/2015
Scholarship of the German National Merit Foundation	9/2011

INVITED CONFERENCE PRESENTATIONS

Plenary Lecture FEMS Conference on Microbiology , Belgrade, Serbia (upcoming)	06/2022
FEMS Award Session World Microbe Forum (ASM/FEMS virtual conference)	6/2021
MEEVirtual 2020 Microbial Ecology & Evolution Virtual Conference	8/2020

INVITED SEMINARS

Fall Seminar Series Max Planck Institute for Evolutionary Biology , Plön, Germany	12/2021
Molecular Microbiology Division Seminar Series University of Dundee , United Kingdom	10/2021
Department of Zoology Seminar Series University of Oxford , United Kingdom	10/2021
Collaborative Research Centre (CRC) AquaDiva Seminar Series Friedrich-Schiller-University , Jena, Germany	6/2021
Life Science & Medical School Seminar Series University of Warwick , United Kingdom	1/2021
Zam Iqbal Research Group Seminar European Bioinformatics Institute , Cambridge, United Kingdom	10/2020
Centre for Life's Origins and Evolution (CLOE) Summer Symposium University College London , United Kingdom	6/2020
Swiss Federal Inst. of Aquatic Science & Technology (EAWAG) Departmental Seminar ETH Zurich , Switzerland	4/2020
Junior Awards for Microbiology University of Birmingham , United Kingdom	6/2019

CONTRIBUTED CONFERENCE PRESENTATIONS

Microbiology Society Annual Conference, Edinburgh, United Kingdom Oral presentation (event cancelled due to COVID19)	4/2020
International μ Box Meeting at Oxford, United Kingdom <i>Poster presentation</i>	9/2019
17 th Congress of the European Society for Evolutionary Biology (ESEB), Turku, Finland Oral presentation	8/2019
International Meeting on Phenotypic Heterogeneity and Sociobiology of Bacterial Populations (SPP1617), Hohenkammer, Germany <i>Poster presentation</i>	3/2019
17 th International Symposium on Microbial Ecology (ISME), Leipzig, Germany <i>Poster presentation</i>	8/2018

CONTRIBUTED CONFERENCE PRESENTATIONS (cont.)

1 st International TRANSIT workshop on Cross-disciplinary Research, York, United Kingdom <i>Oral presentation</i>	4/2018
16 th Congress of the European Society for Evolutionary Biology (ESEB), Groningen, Netherlands <i>Oral presentation</i>	8/2017
116 th General Meeting of the American Society of Microbiology (ASM), Boston, USA <i>Poster presentation</i>	6/2016
Behaviour, Ecology, Environment and Evolution Meeting, University of Zurich, Switzerland <i>Oral presentation</i>	3/2015
15 th Congress of the European Society for Evolutionary Biology (ESEB), Lausanne, Switzerland <i>Poster presentation</i>	8/2015
Evolutionary Medicine Conference, Zurich, Switzerland <i>Oral presentation</i>	7/2015
15 th International Symposium on Microbial Ecology (ISME), Seoul, South Korea <i>Poster presentation</i>	8/2014
Workshop in Evolutionary Biology, Guarda, Switzerland <i>Oral presentation</i>	6/2014

TEACHING

Lead course organizer , Experimental Evolution Department of Zoology, University of Oxford	2/2019 - present
Teaching assistant , Evolutionary Microbiology Faculty of Science, University of Zurich	2/2014 – 4/2017
Teaching assistant , General Microbiology Department of Biology, LMU Munich	3/2010

SUPERVISION AND MENTORING

Supervision of Bachelor/Master student , University of Oxford Christian Kirk	4/2020 - present
Mentoring Program, Department of Zoology , University of Oxford, United Kingdom Co-development of a mentoring program between postdocs and PhD students; Regular mentoring activity	11/2019- present
MEEVirtual Mentoring Program Mentoring of junior researchers attending a scientific conference	8/2020
PhD Mentoring Program, Life Science Graduate School Zurich Mentoring of junior PhD students Annika Hausmann, Arturo Rinaldi, Weronika Barcik	6/2014 – 9/2017
Supervision of laboratory internship Isa Moreno	1/2015- 4/2015

INSTITUTIONAL AND SUPPORT ACTIVITIES

FutureProfs , Department of Biochemistry, University of Oxford, United Kingdom Founder of a peer-to-peer support group among postdoctoral researchers working towards an academic career	11/2019 - present
Early Career Researcher Network , University of Oxford, United Kingdom Organization of scientific, social, and training events for early career researchers Personnel Committee Representative; Social Media & Outreach Representative	9/2018 – present
Committee for Appointment of Faculty , University of Zurich, Switzerland Representative for mid-level faculty	2017

OUTREACH

Twitter Active Twitter profile with >17'000 followers, regular interactions with general public and dissemination of scientific content.	2010 - present
'Tidbits of Research' Podcast Interview about my research, aimed at a general audience	8/2021
FEMS Podcast – 'Microbes and Us' Interview about my research, career development in academia and more https://open.spotify.com/episode/1xfpNpMgXO0qwX1PYi22OK?si=4N-LOj3MRieDga4WUk87VQ&dl_branch=1&nd=1	7/2021
Microbial Literacy Project Co-development of a child-centric microbiology education framework for use in UK education Topic: Microbial Communities and Social Behaviour	9/2020 - 4/2021
Skype A Scientist Skyping with class rooms around the world as part of the SkypeAScientist initiative	4/2019 – 6/2020
Article in <i>New Scientist</i> magazine Contributed to popular science article on my recent publication https://www.newscientist.com/article/2236441-bacteria-sacrifice-themselves-when-under-attack-to-save-their-colonies/	3/2020
Chalk Talk Seminar , Dunn School of Pathology, University of Oxford, United Kingdom Scientific presentation for a general audience, run by the <i>Oxford Scientist</i> magazine	11/2019
Science Jam , Department of Zoology, University of Oxford, United Kingdom Organization of - and participation in - a departmental event where researchers presented their work in an accessible and creative way	5/2019
Oxford Scientist School , Oxford, United Kingdom Guest judge for science writing competition for Secondary school pupils	1/2019
Teaching on Twitter Lecturer for the 1 st worldwide online open access microbiology course ("EUROmicroMOOC") Delivery of online lecture on "Bacterial cooperation", accessible to a general audience via Twitter.	10/2018

OUTREACH (cont.)

'Bacterial World' Exhibition Contribution of microscopy images to exhibition in the Natural History Museum of Oxford	10/2018
UNIQ Summer School , University of Oxford, United Kingdom Demonstrator for practical classes on antibiotics, delivered to state school students.	8/2018
Science Lab Zurich , Faculty of Science, University of Zurich, Switzerland Organization and execution of guided tour through microbiology laboratories for local high school students.	2/2017
International Physics Olympiad , Faculty of Science, University of Zurich, Switzerland Organization and execution of guided tour through microbiology laboratories for international high school students.	7/2016
Info Day Biology , Department of Biology, ETH Zurich, Switzerland Oral presentation of Master in Biology at ETH to local high school students.	3/2012
Open Day Biochemistry , Max-Planck-Institute of Biochemistry, Martinsried, Germany Assisting in presentation of biochemistry research to the general public.	10/2010

PEER REVIEW ACTIVITY

Journals

- Nature Communications
- Current Biology
- mBio
- ISME
- Proc Soc B
- Communications Biology
- PLOS ONE
- Microbiology
- Biofilm
- FEMS Microbial Ecology
- BMC Evolutionary Biology
- Microbial Ecology

Funding agencies

- Swiss National Science Foundation
- UKRI Medical Research Council

ADVANCED TRAINING (selection)

Mentorship Training (4 hours), University of Oxford, United Kingdom	10/2019
Public Engagement with Research (2 hours), University of Oxford, United Kingdom	2/2019
Advanced Microscopy Course (20 hours), University of Oxford, United Kingdom	11/2017
Mentorship Training (30 hours), Life Science Zurich Graduate School, Zurich, Switzerland	1/2016
Voice Training and Presentation Skills (30 hours), Center for Advanced Training, Zurich, Switzerland	5/2014
Project Management for Research (30 hours), Center for Advanced Training, Zurich, Switzerland	10/2013
Leadership Skills (30 hours), Center for Advanced Training, Zurich, Switzerland	11/2013