

elisa.granato@zoo.ox.ac.uk

+44 18 65 61 33 38

[www.elisagranato.com](http://www.elisagranato.com)Twitter: [@Prokaryota](https://twitter.com/Prokaryota)Google Scholar: [scholar.google.com/citations?user=ogvPDWEAAAAJ](https://scholar.google.com/citations?user=ogvPDWEAAAAJ)OrcID: [orcid.org/0000-0003-1581-2899](https://orcid.org/0000-0003-1581-2899)

University of Oxford  
 Depts of Biology & Biochemistry  
 New Biochemistry Building  
 South Parks Road  
 Oxford OX1 3Q  
 United Kingdom

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## RESEARCH INTERESTS

Interference competition in bacteria  
 Bacterial cooperation

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## METHODS

Experimental microbiology  
 Fluorescence microscopy

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## ACADEMIC HISTORY

**Research Fellow**, Department of Biology, University of Oxford, United Kingdom 5/2021 – present  
 BBSRC Discovery Fellowship

**Postdoctoral Researcher**, Department of Biology, University of Oxford, United Kingdom 11/2017 – 4/2021  
 Advisor: Prof. Kevin Foster

**PhD**, Life Science Zurich Graduate School, University of Zurich, Switzerland 6/2013 – 9/2017  
 Thesis title: "Evolution of cooperation and virulence in an opportunistic pathogen"  
 Advisor: Prof. Rolf Kümmerli

**Master of Science**, Microbiology and Immunology, ETH Zurich, Switzerland 9/2011 – 4/2013

**Bachelor of Science**, Biology, LMU Munich, Germany 9/2008 – 6/2011

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## SCHOLARSHIPS AND AWARDS

[FEMS Early Career Microbiologist Award](#) 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

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Invited presentation <b>Microbiology Society Focus Meeting “Evolution”,</b> Manchester, United Kingdom (upcoming)	11/2022
Plenary Lecture <b>FEMS Conference on Microbiology,</b> Belgrade, Serbia	7/2022
Invited presentation <b>World Microbe Forum</b> (ASM/FEMS virtual conference)	6/2021
Invited presentation <b>Microbial Ecology &amp; Evolution Virtual Conference</b>	8/2020

## INVITED SEMINARS

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MRC Centre for Molecular Bacteriology and Infection (CMBI) Seminar Series <b>Imperial College London,</b> United Kingdom (upcoming)	11/2022
Fall Seminar Series <b>Max Planck Institute for Evolutionary Biology,</b> Plön, Germany	12/2021
Research Group Leader Selection Symposium <b>Max Planck Institute for Terrestrial Microbiology,</b> Marburg, Germany	11/2021
Molecular Microbiology Division Seminar Series <b>University of Dundee,</b> United Kingdom	10/2021
Department of Biology Invited Seminar Series <b>University of Oxford,</b> United Kingdom	10/2021
Collaborative Research Centre (CRC) AquaDiva Seminar Series <b>Friedrich-Schiller-University,</b> Jena, Germany	6/2021
Life Science & Medical School Seminar Series <b>University of Warwick,</b> United Kingdom	1/2021
Zam Iqbal Research Group Seminar <b>European Bioinformatics Institute,</b> Cambridge, United Kingdom	10/2020
Centre for Life’s Origins and Evolution (CLOE) Summer Symposium <b>University College London,</b> United Kingdom	6/2020
Swiss Federal Inst. of Aquatic Science & Technology (EAWAG) Departmental Seminar <b>ETH Zurich,</b> Switzerland	4/2020
Junior Awards for Microbiology <b>University of Birmingham,</b> United Kingdom	6/2019

## CONFERENCE PRESENTATIONS & SYMPOSIUM ORGANIZATION

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18 <sup>th</sup> Congress of the European Society for Evolutionary Biology (ESEB), Prague, Czech Republic <b>Organization of conference symposium</b> “The art of microscopic war – interference competition in microbes”	8/2022
18 <sup>th</sup> Congress of the European Society for Evolutionary Biology (ESEB), Prague, Czech Republic <i>Poster presentation</i>	8/2022

**CONFERENCE PRESENTATIONS & SYMPOSIUM ORGANIZATION (cont.)**

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Microbiology Society Annual Conference, Edinburgh, United Kingdom <i>Oral presentation (event cancelled due to COVID19)</i>	4/2020
International $\mu$ BOx Meeting at Oxford, United Kingdom <i>Poster presentation</i>	9/2019
17 <sup>th</sup> Congress of the European Society for Evolutionary Biology (ESEB), Turku, Finland <i>Oral presentation</i>	8/2019
International Meeting on Phenotypic Heterogeneity and Sociobiology of Bacterial Populations (SPP1617), Hohenkammer, Germany <i>Poster presentation</i>	3/2019
17 <sup>th</sup> International Symposium on Microbial Ecology (ISME), Leipzig, Germany <i>Poster presentation</i>	8/2018
1 <sup>st</sup> International TRANSIT workshop on Cross-disciplinary Research, York, United Kingdom <i>Oral presentation</i>	4/2018
16 <sup>th</sup> Congress of the European Society for Evolutionary Biology (ESEB), Groningen, Netherlands <i>Oral presentation</i>	8/2017
116 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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**

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

## SUPERVISION AND MENTORING

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<b>Mentoring Program, Department of Biology</b> , University of Oxford, United Kingdom Co-development of a mentoring program between postdocs and PhD students; Regular mentoring activity	11/2019- present
<b>Supervision of Master student</b> , University of Oxford Christian Kirk	10/2021 - 5/2022
<b>Supervision of Bachelor student</b> , University of Oxford Christian Kirk	4/2020 - 4/2021
<b>MEEVirtual Mentoring Program</b> Mentoring of junior researchers attending a scientific conference	8/2020
<b>PhD Mentoring Program, Life Science Graduate School Zurich</b> Mentoring of junior PhD students. Annika Hausmann, Arturo Rinaldi, Weronika Barcik	6/2014 – 9/2017
<b>Supervision of laboratory internship</b> Isa Moreno	1/2015- 4/2015

## INSTITUTIONAL AND SUPPORT ACTIVITIES

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<b>Personnel Committee – Research Staff Representative</b> Department of Biology, University of Oxford, United Kingdom	10/2021 - present
<b>FutureProfs</b> , 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
<b>Early Career Researcher Network</b> , 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- 07/2021
<b>Committee for Appointment of Faculty</b> , University of Zurich, Switzerland Representative for mid-level faculty	2017

## OUTREACH

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<b>Twitter</b> <a href="#">Active Twitter profile</a> with >21'000 followers, regular interactions with general public and dissemination of scientific content.	2010 - present
<b>'Tidbits of Research' Podcast</b> <a href="#">Interview</a> about my research and life as a scientist, aimed at a general audience	5/2022
<b>FEMS Podcast – 'Microbes and Us'</b> <a href="#">Interview</a> about my research, career development in academia and more	7/2021
<b>Microbial Literacy Project</b> Co-development of a child-centric microbiology education framework for use in UK education Topic: Microbial Communities and Social Behaviour	9/2020 - 4/2021
<b>Skype A Scientist</b> Skyping with class rooms around the world as part of the "Skype A Scientist" initiative	4/2019 – 6/2020

**OUTREACH (cont.)**

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<b>Article in <i>New Scientist</i> magazine</b>	3/2020
Contributed to <a href="#">popular science article</a> on my recent publication	
<b>Chalk Talk Seminar</b> , Dunn School of Pathology, University of Oxford, United Kingdom	11/2019
Scientific presentation for a general audience, run by the <i>Oxford Scientist</i> magazine	
<b>Science Jam</b> , Department of Biology, University of Oxford, United Kingdom	5/2019
Organization of - and participation in - a departmental event where researchers presented their work in an accessible and creative way	
<b>Oxford Scientist School</b> , Oxford, United Kingdom	1/2019
Guest judge for science writing competition for Secondary school pupils	
<b>Teaching on Twitter</b>	10/2018
Lecturer for the 1 <sup>st</sup> worldwide online open access microbiology course (“EUROmicroMOOC”) Delivery of online lecture on “Bacterial cooperation”, accessible to a general audience via Twitter.	
<b>‘Bacterial World’ Exhibition</b>	10/2018
Contribution of microscopy images to exhibition in the Natural History Museum of Oxford	
<b>UNIQ Summer School</b> , University of Oxford, United Kingdom	8/2018
Demonstrator for practical classes on antibiotics, delivered to state school students.	
<b>Science Lab Zurich</b> , Faculty of Science, University of Zurich, Switzerland	2/2017
Organization and execution of guided tour through microbiology laboratories for local high school students.	
<b>International Physics Olympiad</b> , Faculty of Science, University of Zurich, Switzerland	7/2016
Organization and execution of guided tour through microbiology laboratories for international high school students.	
<b>Info Day Biology</b> , Department of Biology, ETH Zurich, Switzerland	3/2012
Oral presentation of Master in Biology at ETH to local high school students.	
<b>Open Day Biochemistry</b> , Max-Planck-Institute of Biochemistry, Martinsried, Germany	10/2010
Assisting in presentation of biochemistry research to the general public.	

**PEER REVIEW ACTIVITY**

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**Journals**

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

**Funding agencies**

- Swiss National Science Foundation (SNF)
- UKRI - Medical Research Council (MRC)
- UKRI - Biotechnology and Biological Sciences Research Council (BBSRC)

**ADVANCED TRAINING (selection)**

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<b>Race Awareness Training</b> (1.5 h), University of Oxford, United Kingdom	7/2022
<b>Mentorship Training</b> (4 hours), University of Oxford, United Kingdom	10/2019
<b>Mentorship Training</b> (30 hours), Life Science Zurich Graduate School, Zurich, Switzerland	1/2016
<b>Voice Training and Presentation Skills</b> (30 hours), Center for Advanced Training, Zurich, Switzerland	5/2014
<b>Project Management for Research</b> (30 hours), Center for Advanced Training, Zurich, Switzerland	10/2013
<b>Leadership Skills</b> (30 hours), Center for Advanced Training, Zurich, Switzerland	11/2013