elisa.granato@gmail.com

 $Website: \underline{www.elisagranato.com}$

Twitter/X: <a>@Prokaryota

PUBLICATIONS

Google Scholar: scholar.google.com/citations?user=ogvPDWEAAAAJ

OrcID: orcid.org/0000-0003-1581-2899

RESEARCH INTERESTS	METHODS	
Interference competition in bacteria Bacterial interactions	Experimental microbiology Fluorescence microscopy	У
ACADEMIC HISTORY		
Independent Research Fellow Department of Biology, University of Oxford, United Kingdom BBSRC Discovery Fellowship		5/2021 – 4/2024
Postdoctoral Researcher Department of Biology, University of Oxford, United Kingdom Postdoc Mobility Fellowship - Swiss National Science Foundatio Advisor: Prof. Kevin Foster	n	11/2017 – 4/2021
PhD, Life Science Zurich Graduate School, University of Zurich, Thesis title: "Evolution of cooperation and virulence in an opposition of the Cooperation		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

<u>Granato ET</u>*, Smith WPJ*, Foster KR. Collective protection against the type VI secretion system in bacteria. The ISME Journal (2023) https://doi.org/10.1038/s41396-023-01401-4 (*equal contribution)

<u>Granato ET</u>, Foster KR. The evolution of mass cell suicide in bacterial warfare. Current Biology (2020) https://doi.org/10.1016/j.cub.2020.05.007

Rezzoagli C, <u>Granato ET</u>, Kümmerli R. Harnessing bacterial interactions to manage infections: a review on the opportunistic pathogen Pseudomonas aeruginosa as a case example. Journal of Medical Microbiology (2020) https://doi.org/10.1099/jmm.0.001134

<u>Granato ET</u>*, Meiller-Legrand TA*, Foster KR. The Evolution and Ecology of Bacterial Warfare. Current Biology (2019) https://doi.org/10.1016/j.cub.2019.04.024 (*equal contribution)

Rezzoagli C, <u>Granato ET</u>, Kümmerli R. *In vivo* microscopy reveals the impact of *Pseudomonas aeruginosa* social interactions on host colonization. The ISME Journal (2019) https://doi.org/10.1038/s41396-019-0442-8

PUBLICATIONS (cont.)

<u>Granato ET</u>, Ziegenhain C, Marvig RL, Kümmerli R. Low spatial structure and selection against secreted virulence factors attenuates pathogenicity in *Pseudomonas aeruginosa*. The ISME Journal (2018) https://doi.org/10.1038/s41396-018-0231-9

<u>Granato ET</u>, Kümmerli R. The path to re-evolve cooperation is constrained in *Pseudomonas aeruginosa*. BMC Evolutionary Biology (2017) https://doi.org/10.1186/s12862-017-1060-6

<u>Granato ET</u>, Harrison F, Kümmerli R, Ross-Gillespie A. Do Bacterial "Virulence Factors" Always Increase Virulence? A Meta-analysis of Pyoverdine Production in *Pseudomonas aeruginosa* as a Test Case. Frontiers in Microbiology (2016) https://doi.org/10.3389/fmicb.2016.01952

Kümmerli R, Santorelli L, <u>Granato ET</u>, Dumas Z, Griffin AS, West SA. Co-evolutionary dynamics between public good producers and cheats in the bacterium *Pseudomonas aeruginosa*. Journal of Evolutionary Biology (2015) https://doi.org/10.1111/jeb.12751

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			
INVITED CONFERENCE PRESENTATIONS			
Invited presentation Microbiology Society Focus Meeting "Evolution", Manchester, United Kingdom	11/2022		
Plenary Lecture FEMS Conference on Microbiology, Belgrade, Serbia	7/2022		
Invited presentation World Microbe Forum (ASM/FEMS virtual conference)	6/2021		
Invited presentation Microbial Ecology & Evolution Virtual Conference	8/2020		

INVITED SEMINARS

MRC Centre for Molecular Bacteriology and Infection (CMBI) Seminar Series Imperial College London, United Kingdom	02/2023
Systems Biology Department Colloquium National Centre for Biotechnology, Madrid, Spain	02/2023
Fall Seminar Series Max Planck Institute for Evolutionary Biology, Plön, Germany	12/2021
Research Group Leader Selection Symposium Max Planck Institute for Terrestrial Microbiology, Marburg, Germany	11/2021
Molecular Microbiology Division Seminar Series University of Dundee, United Kingdom	10/2021
Department of Biology Invited 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

CONFERENCE ORGANIZATION

Microbial Ecology & Evolution (MEEhubs) 2024

11/2021 - 1/2024

Co-lead organization of international conference

Development of novel conference format (hybrid multi-hub)

Lead organization of Oxford hub

18th Congress of the European Society for Evolutionary Biology (ESEB), Prague, Czech Republic

8/2022

Organization of conference symposium

"The art of microscopic war – interference competition in microbes"

CONTRIBUTED CONFERENCE PRESENTATIONS

Gordon Research Seminar – Microbial Population Biology, Andover, NH, USA Oral presentation	7/2023
Gordon Research Conference – Microbial Population Biology, Andover, NH, USA Poster presentation	7/2023
18 th Congress of the European Society for Evolutionary Biology (ESEB), Prague, Czech Republic <i>Poster presentation</i>	8/2022
Microbiology Society Annual Conference, Edinburgh, United Kingdom Oral presentation (event cancelled due to COVID19)	4/2020
International µBOx Meeting at Oxford, United Kingdom Poster presentation	9/2019
17 th 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	3/2019
Poster presentation 17 th International Symposium on Microbial Ecology (ISME), Leipzig, Germany Poster presentation	8/2018
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 Poster presentation	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 Oral presentation	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 Oral presentation	6/2014

TEACHING	Elisa Granato, page 5
Lead course organizer and examiner, Experimental Evolution Department of Biology, University of Oxford	2/2019 – 4/2024
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	
Thesis Committee Member, Department of Biochemistry, University of Oxford Formal examination, assessment, and guidance of MSc student	1/2023 – 6/2023
Co-supervision of graduate rotation student, Department of Biology, University of Oxford	1/2023 – 3/2023
DPhil Admissions Committee Member, Department of Biology, University of Oxford Formal assessment and interviewing of prospective PhD students	2/2023
Transfer of Status Assessor, Department of Biology, University of Oxford Formal examination, assessment, and guidance of DPhil student	1/2023
Mentoring Program, Department of Biology, University of Oxford Co-development of a mentoring program between postdocs and PhD students. Regular mentoring activity	11/2019 – 6/2022
Supervision of Master student, Department of Biology, University of Oxford	10/2021 – 5/2022
Supervision of Bachelor student, Department of Biology, University of Oxford	4/2020 – 4/2021
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	6/2014 – 9/2017
Supervision of laboratory internship	1/2015- 4/2015
INSTITUTIONAL AND SUPPORT ACTIVITIES	
Personnel Committee – Research Staff Representative Department of Biology, University of Oxford, United Kingdom	10/2021 – 4/2024
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
EMBL Career Webinars Invited seminar on "Networking for academics" (upcoming)	9/2024
Blog – Days in the Life of a Postdoc Article on postdoc working hours	12/2022
Blog – How to apply for a Postdoc Fellowship	3/2022

INSTITUTIONAL AND SUPPORT ACTIVITIES (cont.)
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INSTITUTIONAL AND SUPPORT ACTIVITIES (cont.)	
Blog – How to deal with "failed" experiments also published in The Microbiologist	4/2021
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 – 7/2021
Blog – How to ask a question after a seminar	7/2021
Blog – Asking for help with your project	10/2020
Committee for Appointment of Faculty, University of Zurich, Switzerland Representative for mid-level faculty	2017
OUTREACH	
Twitter Active Twitter/X profile with >28'000 followers Regular interactions with general public and dissemination of scientific content	2010 – present
History of Science project Researcher & writer for web resource on the history of science Collaboration with Dr. Freya Harrison (Univ. of Warwick)	2/2024 – present
Graphic novel Scientific advisor for graphic novel on microbiology Collaboration with Dr. Corrado Nai	1/2024 – present
'Museum of Revelatory Fakes' Podcast Interview about my experience of being at the center of a fake news story on vaccine risks	3/2023
Museum of Revelatory Fakes Advisor for an <u>art project</u> on scientific misinformation in the media	3/2023
'Tidbits of Research' Podcast Interview about my research and life as a scientist, aimed at a general audience	5/2022
FEMS Podcast – 'Microbes and Us' Interview about my research, career development in academia and more	7/2021
Microbial Literacy Project Co-development of a child-centric microbiology education framework for use in UK educate Topic: Microbial Communities and Social Behaviour	9/2020 – 4/2021 tion
Skype A Scientist Video-calling classrooms around the world as part of the "Skype A Scientist" initiative	4/2019 – 6/2020
Article in <i>New Scientist</i> magazine Contribution to popular science article on my recent publication	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

OUTREACH (cont.)

Science Jam, Department of Biology, University of Oxford, United Kingdom Organization of - and participation in – an intradepartmental outreach event	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 $1^{\rm st}$ worldwide online open access microbiology course ("EUROmicroMOOC")	10/2018
'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 Guided tour through microbiology laboratories for local high school students	2/2017
International Physics Olympiad, Faculty of Science, University of Zurich, Switzerland 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's degree in Biology at ETH to local high school students	3/2012
Open Day Biochemistry, Max-Planck-Institute of Biochemistry, Martinsried, Germany Assistance in presentation of biochemistry research to the general public	10/2010

PEER REVIEW ACTIVITY - JOURNALS

•	Nature Microbiology	•	The ISME Journal	•	Microbiology
•	Nature Comms	•	Proc Soc B	•	Biofilm
•	Current Biology	•	iScience	•	FEMS Microbiology Ecology
•	eLife	•	Comms Biology	•	BMC Evolutionary Biology
•	mBio	•	Microbial Ecology		

PEER REVIEW ACTIVITY – FUNDING AGENCIES

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

PLOS One

ADVANCED TRAINING (selection)

PLOS Pathogens

Leadership Training (24 h), University of Oxford, United Kingdom	9/2022
Race Awareness Training (1.5 h), University of Oxford, United Kingdom	7/2022
Mentorship Training (4 h), University of Oxford, United Kingdom	10/2019
Mentorship Training (30 h), Life Science Zurich Graduate School, Zurich, Switzerland	1/2016
Voice Training and Presentation Skills (30 h), Center for Advanced Training, Zurich, Switzerland	5/2014
Project Management for Research (30 h), Center for Advanced Training, Zurich, Switzerland	10/2013