

Lorenzo Fant

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EXPERIENCES	<i>PONTE Fellow</i> , Instituto Gulbenian de Ciencia, Lisbon Topics: Community metabolic scaling, Microbial functional ecology	2023-now
	<i>Post-Doc</i> , Universidad de Granada Advisor: Miguel Angel Muñoz Topic: Theoretical ecology, Statistical physics, Stochastic processes	2022
	<i>Full-time employee</i> , Shoreline, Trieste Topic: Monitoring, conservation and restoration of marine ecosystems	2022
EDUCATION	<i>Ph.D in Physics</i> at SISSA & ICTP, Trieste Advisor: Jacopo Grilli Thesis: Stochastic ecology and evolution in bacterial communities Honors: cum laude	2017 - 2022
	<i>M.S. in Theoretical Physics</i> at Università di Trieste Final Grade: 110/110 cum laude Thesis Advisor: Fabio Finocchi - INSP (Paris) Erasmus at the ENS (Paris)	2014 - 2016
	<i>B.S. in Physics</i> , Università degli Studi di Trento Final Grade: 110/110 Thesis Advisor: Pietro Faccioli	2011 - 2014
EVENTS ORGANIZED	<i>IGC Symposium</i> , Biology across scales, Lisbon	2024
	<i>UGR Workshop</i> , Ecological Perturbations across scales, Granada	2023
GRANTS, FELLOWSHIPS AND AWARDS	<i>Symposium organization</i> , IGC, Lisbon – 10k€	2023
	<i>PONTE Fellowship</i> , IGC, Lisbon	2022
	<i>Post-Graduate Fellowship</i> , SISSA, Trieste	2017
	<i>Full Scholarship</i> , Collegio L.Fonda, Trieste – 11k€	2014 - 2016
	<i>Merit Prize</i> , Università degli studi di Trento – 3k€	2016
	<i>PAF, Physics Deepening Course</i> , Università degli Studi di Trento	2011 - 2014
PUBLICATION LIST	<i>Biomass competition unifies individual and community scaling patterns</i> L. Fant, G. Ghedini BioArXiv:10.1101/2024.03.25.586593	2024
	<i>Stable Cooperation Emerges in Stochastic multiplicative growth</i> L. Fant, O. Mazzarisi, E. Panizon, J. Grilli Phys. Rev. E 108	2023

	<i>Eco-evolutionary dynamics lead to functionally robust and redundant communities</i> L. Fant, I. Macocco, J. Grilli BioArXiv:10.1101/2021.04.02.438173	2021
	<i>Variational Scheme to Compute Protein Reaction Pathways Using Atomistic Force Fields with Explicit Solvent</i> S. a Beccara, L. Fant, and P. Faccioli Phys. Rev. Lett. 114	2015
	<i>Entangling macroscopic diamonds at room temperature: bounds on the CSL parameters</i> L. Fant et al. Phys. Rev. A 94	2016
TALKS	<i>Speaker @ Ecological Perturbations across scales, Granada</i> Title: Niche dispersal: an evolutionary phase transition	2023
	<i>Invited Speaker @ Ergodicity Economics, Lisbon</i> Title: The ergodicity economics perspective on cooperation	2023
	<i>Speaker @ Ergodicity Economics, Online</i> Title: Cooperation in Stochastic multiplicative-growth environments is evolutionary stable	2022
	<i>Invited Seminar @ Max Plank Institute for Mathematics, Leipzig</i> Title: Cooperation in Stochastic multiplicative-growth environments is evolutionary stable	2021
	<i>Speaker @ SMEEB, Venezia</i> Title: Eco-evolutionary dynamics lead to functionally robust and redundant communities	2021
	<i>Poster @ QLIFE - Quantitative Ecological Genomics in the Tara Ocean</i> Title: Eco-evolutionary dynamics lead to functionally robust and redundant communities	2021
JOURNAL REFEREE	<i>Physical Review Letters, Physical Review E</i>	
COMPUTER SKILLS	Languages: <i>Python, Julia</i> <i>SQL, C, Html</i>	Advanced Intermediate
LANGUAGE SKILLS	<i>Italian</i> <i>English</i> <i>Spanish, French</i>	Mothertongue IELTS 7.5 Intermediate
EXTRA CURRICULAR ACTIVITIES	<i>Students Representative</i> Academic Senate, SISSA Department of Physics, Trento Liceo G.B. Benedetti, Venezia WWF marine guide, AMP Miramare, Trieste Consultant Physicist, ERREQUATTRO s.r.l.	2018 - 2020 2012 - 2014 2010 2018 - 2022 2015

Sports:	<i>Waterpolo</i>	2010 - 2020
	<i>Basketball</i>	2006 - 2010
	<i>Swimming, competitive activity</i>	2000 - 2006
	<i>Swimming Instructor</i>	2005 - 2013

LICENSES

Boating, without limitations
Scuba Diving, PADI Advanced