

Lorenzo Fant

lorenzofant@gmail.com – Address: Via Cappello 3, 34124, Trieste
Born: Venice 19.8.1992 – Nationality: Italian

EXPERIENCES	<i>Post-Doc Fellow</i> , Instituto Gulbenian de Ciencia	2023-now
	<i>Post-Doc</i> , Universidad de Granada Supervisor: Miguel Angel Muñoz	2022
	<i>Full-time employee</i> , Shoreline, Trieste Description: Monitoring, conservation and restoration of marine ecosystems	2022
EDUCATION	<i>Philosophiæ Doctorate in Physics (cum laude)</i> SISSA, Trieste, Condensed Matter Department Quantitative Life Sciences group, ICTP, Trieste Thesis: Stochastic ecology and evolution in bacterial communities Supervisor: Jacopo Grilli - ICTP	2017 - 2022
	<i>Master in Physics, Theoretical Physics</i> , Università di Trieste Final Grade: 110/110 cum laude Erasmus at the Ecole Normale Supérieure de Paris and UPMC Thesis: New Approaches to Nuclear Quantum Effects' Simulations From Bohmian Mechanics to the VLL Method Supervisor: Fabio Finocchi - INSP (Paris)	2014 - 2016
	<i>Bachelor of Physics</i> , Università degli Studi di Trento Final Grade: 110/110 Thesis: Kinetics of Native Contact Formation in Protein Folding Supervisor: Pietro Faccioli	2011 - 2014
PUBLICATIONS	<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

HONORS	<i>Post-Graduate Fellowship</i> , SISSA, Trieste, Supervisor: A. De Simone	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
CONFERENCES	<i>Organizer @ Biology across scales</i> , Lisbon	2024
	<i>Organizer @ Ecological Perturbations across scales</i> , Granada	2023
TALKS	<i>Speaker @ Ecological Perturbations across scales</i> , Granada Title: Niche dispersal: an evolutionary phase transition	2023
	<i>Invited Speaker @ Ergodicity Economics</i> , Lisbon Title: The ergodicity economics perspective on cooperation	2023
	<i>Speaker @ Ergodicity Economics</i> , Online Title: Cooperation in Stochastic multiplicative-growth environments is evolutionary stable	2022
	<i>Invited Seminar @ Max Plank Institute for Mathematics</i> , Leipzig Title: Cooperation in Stochastic multiplicative-growth environments is evolutionary stable	2021
	<i>Speaker @ SMEEB</i> , Venezia 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
COMPUTER SKILLS	Languages: <i>Python, Julia</i> <i>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>WWF guide</i> , AMP Miramare, Trieste	2018 - 2022
	<i>Students Representative</i> Academic Senate, SISSA	2018 - 2020
	Department of Physics, Trento	2012 - 2014
	High School, Venezia	2010
	<i>Consultant Physicist</i> , ERREQUATTRO s.r.l.	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