

## Lorenzo Fant

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

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	2014 - 2016
	Erasums 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)	2015-2016
	<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
	<i>PAF, Physics Deepening Course</i> , Università degli Studi di Trento	2011-2014
PUBLICATIONS	<i>Stable Cooperation Emerges in Stochastic multiplicative growth</i> L. Fant, O. Mazzarisi, E. Panizon, J. Grilli Arxiv 2202.02787	2022
	<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>Entangling macroscopic diamonds at room temperature: bounds on the CSL parameters</i> S. Belli, R. Bonsignori, G. D'Auria, L. Fant, M. Martini, S. Peirone, S. Donadi, A. Bassi Phys. Rev. A 94 arXiv:1601.07927	2016
	<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 arXiv:1405.6104	2015
HONORS	<i>Full Scholarship</i> , Collegio L.Fonda, Trieste	2014-2016
	<i>Merit Prize</i> , Università degli studi di Trento	2016

<b>TALKS</b>	<i>Speaker</i> @ Ergodicity Economics, Online	2022
	Title: Cooperation in Stochastic multiplicative-growth environments is evolutionary stable	
	<i>Invited Seminar</i> @ Max Plank Institute for Mathematics, Leipzig	2021
	Title: Cooperation in Stochastic multiplicative-growth environments is evolutionary stable	
	<i>Speaker</i> @ SMEEB, Venezia	2021
	Title: Eco-evolutionary dynamics lead to functionally robust and redundant communities	
<b>EXPERIENCES</b>	<i>Post-Graduate Fellowship</i> , SISSA, Trieste	Mar-Apr 2017
	Department: Astroparticle, Supervisor: Andrea De Simone Description: Deepening on some possible theoretical descriptions of Dark Matter beyond the Standard Model	
<b>COMPUTER SKILLS</b>	Languages: <i>Python</i>	Advanced
	<i>Julia</i>	Intermediate
	<i>C</i>	Basic
	OS: Linux	Intermediate
<b>LANGUAGE SKILLS</b>	<i>Italian</i>	Mothertongue
	<i>English</i>	IELTS 7.5
	<i>French</i>	Upper-Intermediate
<b>EXTRA CURRICULAR ACTIVITIES</b>	<i>Students Representative</i> Academic Senate, SISSA	2018-2020
	Department of Physics, Trento	2012-2014
	High School, Venezia	2010
	<i>WWF snorkeling guide</i> , AMP Miramare, Trieste	2018-still
	<i>Entrepreneurship Course</i> , Unis&f	2020
	<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
<b>LICENSES</b>	<i>Boating</i> , without limitations	
	<i>Scuba Diving</i> , PADI Advanced	
<b>HOBBIES</b>	Spearfishing, Free Diving, Running	