Lorenzo Fant

Ph.D Student in Theoretical Ecology (SISSA - Trieste)
lorenzofant@gmail.com – Address: Via Cappello 3, 34124, Trieste
Born: Venice 19.8.1992 – Nationality: Italian

EDUCATION

PhilosophiæDoctorate, Physics, SISSA, Trieste — 2017 - Still
Condensed Matter Department
Quantitative Life Sciences group, ICTP, Trieste
Thesis: Functional aspects of microbial communities
Compostion
Supervisor: Jacopo Grilli - ICTP

Master in Physics, Theoretical Physics, Universitá di Trieste — 2014 - 2016
Final Grade: 110/110 cum Laude
Degree Date: 21/10/2016
Erasums at the Ecole Normale Superieure de Paris and UPMC — 2015-2016
Thesis: New Approaches to Nuclear Quantum Effects' Simulations
From Bohmian Mechanics to the VLL Method
Supervisor: Fabio Finocchi - INSP (Paris)

Bachelor of Physics, Universitá degli Studi di Trento — 2011-2014
Final Grade: 110/110
Degree Date: 26/09/2014
Thesis: Kinetics of Native Contact Formation in Protein Folding
Supervisor: Pietro Faccioli

PAF, Physics Deepening Course, Universitá degli Studi di Trento — 2011-2014

PUBLICATIONS

Eco-evolutionary dynamics lead to functionally robust and redundant communities — 2021
L. Fant, I. Macocco, J. Grilli
To be published. BioArXiv:10.1101/2021.04.02.438173

Entangling macroscopic diamonds at room temperature: bounds on the CSL parameters — 2016
S. Belli, R. Bonsignori, G. D'Auria, L. Fant,
M. Martini, S. Peirone, S. Donadi, A. Bassi
Phys. Rev. A 94
arXiv:1601.07927

Variational Scheme to Compute Protein Reaction Pathways Using Atomistic Force Fields with Explicit Solvent — 2015
S. a Beccara, L. Fant, and P. Faccioli
Phys. Rev. Lett. 114
arXiv:1405.6104

EXPERIENCES

Post-Graduate Internship, 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

	Internship, INSP (Institut des Nanosciences de Paris) Description: Research aimed to the development of a new quantum mechanics simulation technique, beginning from the study of alternative interpretations of quantum mechanics	Jan-Jul 2016

HONORS	*Post-Graduate Fellowship*, SISSA, Trieste	2017
	Full Scholarship, Collegio L.Fonda, Trieste	2014-2016
	Merit Prize, Universitá degli studi di Trento	2016

COMPUTER SKILLS	Languages:	*Python*	Advanced
		C++	Basic
	OS:	Linux	Intermediate

LANGUAGE SKILLS	*Italian*	Mothertongue
	English	IELTS 7.5
	French	Upper-Intermediate
	Spanish	Basics

EXTRA CURRICULAR ACTIVITIES	*WWF snorkeling guide*, AMP Miramare, Trieste		2018-still
	Entrepreneurship Course, Unis&f		2020
	Consultant Physicist, ERREQUATTRO s.r.l.		2015
	Students Representative	Academic Senate, SISSA	2018-2020
		Department of Physics, Trento	2012-2014
		High School, Venezia	2010
	Sports:	*Waterpolo*	2010 - Still
		Basketball	2006-2010
		Swimming, competitive activity	2000-2006
	Swimming Instructor		2005-2013

LICENSES *Boating*, no limits

HOBBIES Cooking, Spearfishing, Free Diving