

Matteo Sireci

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Date of Birth	29 th July 1993		
Nationality	Italian		

Vita

2019 Sept 2019 -present
Phd students
Department of Physics, University of Granada, Spain
Supervisors: Miguel Angel Muñoz, Jacopo Grilli

2018 Oct 2018 -March 2019
Temporary Research Scientist
Department of Ecology and Evolution, University of Chicago, USA
Supervisor: Stefano Allesina

2015-2018 Master Degree in Physics, Ludwig Maximilian University, Munich, Germany
Thesis: "Non equilibrium Physics and Evolution: The case of Bet-hedging ", Final Grade: 1.6
Supervisors Miguel Angel Muñoz, Erwin Frey
Thesis in collaboration with University of Granada thanks to Erasmus Project.

2012-2015 Bachelor Degree in Physics, University of Padova, Italy
Thesis: "A variational model for xylematic conduits ", Final Grade: 104/110
Supervisor Amos Maritan

Teaching Experience

SuSe 2021 Assistant Professor for the course of "Física de los sistemas complejos",1.5 ECTS
Bachelor course in physics, fourth year, University of Granada, Spain.

SuSe 2020 Assistant Professor for the course of "Física de los sistemas complejos",1.5 ECTS
Bachelor course in physics, fourth year, University of Granada, Spain.

July 2018 Professor for recovery courses in mathematics and physics,
Liceo "E. Fermi" (high school), Padova, Italy.

WiSe 2016/7 Tutor for the course "T0-Mathematical Methods", Bachelor Course in Physics, LMU, Munich

SuSe 2016 Tutor for the course "T3-Electrodynamic", Bachelor Course in Physics, LMU, Munich

Talks and Seminars

- Seminar: "On the ontology of the wave function in different interpretations of quantum mechanics", invited by Prof. Marcello Barison during the college course "Modern Philosophy" at the University of Chicago. February 13,2019.
- Seminar: "The storytelling of science: the case of Erwin Schroedinger's life." invited by Nancy Kawalek, Stage Lab at the University of Chicago. March 07,2019.

Conferences and schools attended

- Winter School on Quantitative Systems Biology: Quantitative Approaches in Ecosystem Ecology, ICTP, Trieste, Italy (online), November 30- 17 December, 2020.
- School on Community Ecology: from patterns to principles, ICTP-SAFIR, Sao Paulo, Brasil, January 20-25,2020.
- Granada Seminar on Computational and Statistical Physics, Collective and Stochastic effects in neural networks. Granada, Spain, September 17-20, 2019.
- Forty years of Replica Symmetry Breaking. Rome, Italy, September 10-23, 2019.
- Advanced Workshop on Nonequilibrium Systems in Physics, Geosciences, and Life Sciences. ICTP, Trieste, Italy.14-25/05/2018
- Granada Seminar on Computational and Statistical Physics: Quantum systems in and out equilibrium. Granada, Spain, 20-23.06.2017.
- ICTP Spring College on Physics of Complex System. Trieste, Italy, 09.04-05.05.2017.
- Living Systems: from Interaction Patterns to Critical Behavior. Venice, Italy, 16-19.09.2015.

Scientific Visits

- ICTP, Trieste, Italy. 26-31/08/2019, invited by J.Grilli.
- Santa Fe Institute, New Mexico, USA. 1-15/04/2019, invited by J.Grilli.

Preprints

1. J.Camacho Mateu, M.Sireci and M.A.Muñoz, Phenotypic-dependent variability and the emergence of tolerance in bacterial populations, in review at PLOS Computation Biology.

Skills and competencies

Coding Programming languages: C++, Python, R
 Computational Softwars: Mathematica, Gnuplot
 Editing softwars: Latex, Git

Languages Italian, (mother tongue), English (fluent), Spanish (fluent)and German (basic).

References

- [Miguel Angel Muñoz](#), full professor of statistical physics, Department of Electromagnetism and Physics of matter, University of Granada, Instituto Carlos 1 de Física Teórica y Computacional, Campus de Fuentenueva, E-18071 Granada, Spain
e-mail: mamunoz@onsager.ugr.es; phone: +34-958-244014
- [Jacopo Grilli](#), Associate Research Officer, ICTP Trieste, Italy
email: e-mail: jgrilli@ictp.it
- [Amos Maritan](#), Full Professor of statistical physics , Department of Physics and Astronomy G. Galilei, University of Padova , Via Marzolo 8, 35131 Padova, Italy
e-mail: amos.maritan@pd.infn.it; phone: +39-049-827-7175