Étienne Fodor

Physics of Active Matter Assistant Professor, ATTRACT Fellow etienne.fodor@uni.lu | efodorphysics.github.io Dept of Physics and Materials Science Univ of Luxembourg 162a, avenue de la Faïencerie L-1511 Luxembourg

Scientific positions and education

Since 2020	Assistant Professor, Dept of Physics and Materials Science, Univ of Luxembourg
2017 - 20	Oppenheimer Research Fellow, DAMTP, Univ of Cambridge
2016-17	Postdoctoral Research Associate, DAMTP, Univ of Cambridge
2013–16	PhD in Theoretical Physics , Univ Paris Diderot (Supervisors: P Visco, F van Wijland) "Tracking nonequilibrium in living matter and self-propelled systems" Summa cum laude
2012 - 13	Master in Physics – 2 nd year, École Normale Supérieure (ENS) Paris, ICFP
2011-12	Agrégation de Physique, Training for teaching Physics at College level, ENS Cachan
2010 – 11	Master in Physics – 1 st year, ENS Lyon
2009-10	Bachelor in Physics, ENS Lyon
Research	, supervision and teaching experience
Since 2022	Master lecture, Dept of Physics and Materials Science, Univ of Luxembourg "Nonequilibrium soft and active matter" 14 weeks/year
Since 2020	Group supervision, Dept of Physics and Materials Science, Univ of Luxembourg Postdocs LK Davis, A Manacorda (MSCA Fellow), T Banerjee (CORE Junior Fellow), WD Piñeros (MSCA Fellow), UA Dattani, F Serafin PhDs Y Zhang, BN Radhakrishnan, L Casagrande, IJC Miranda, M Antonioli, N Setzkorn Masters L Casagrande, T Desaleux, N Setzkorn
Since 2020	PhD committees, Dept of Physics and Materials Science, Univ of Luxembourg N Hörnedal (Supervisor: A Chenu), L Dupays, N Carabba, M Massaro (Supervisor: A del Campo), E Penocchio, S Gopal, M Bilancioni, D Forastiere (Supervisor: M Esposito), B Ames, V Vassilev Galindo, A Kokorin, N Davoine (Supervisor: A Tkatchenko), J Ekström, K Wu, BN Radhakrishnan (Supervisor: TL Schmidt), K Patel (Supervisor: J Iñiguez)
2024	Master lecture, Dept of Physics, Univ of Liège 4 classes, 1 week PhD committee, Univ Grenoble Alpes (Student: L Guislain, Supervisor: E Bertin) PhD committee, Univ Paris Cité (Student: A Dinelli, Supervisor: J Tailleur)
2023	PhD committee, Imperial College, London (Student: Z Zhang, Supervisor: G Pruessner)
2021	PhD committee, LCSB, Luxembourg (Student: S Martina, Supervisor: A Skupin)
2017 - 20	PhD co-supervision, DAMTP, Univ of Cambridge (Students: ØL Borthne, T Ekeh)
2019-20	Part III project supervision, DAMTP, Univ of Cambridge (Student: JW Knight) 8 months
2017 - 18	Part III project supervision, DAMTP, Univ of Cambridge (Student: T Ekeh) 8 months
2016-17	Internship supervision, DAMTP, Univ of Cambridge (Student: D Martin) 5 months
2015 – 16	Research visit, YITP, Kyoto Univ 2 months/year
2013 – 16	Tutorials in medical Physics, Univ Paris Diderot 64 hours/year
2013	Research internship, Univ Paris Diderot (Supervisors: P Visco, F van Wijland) 16 weeks
2012 - 13	Physics tutorials at College level, Lycée Fénelon, Paris 23 hours
2011	Research intership, Univ of Oxford (Supervisors: AS Wyatt, IA Walmsley) 12 weeks
2010-11	Physics tutorials at College level, Lycée la Martinière Monplaisir, Lyon 60 hours
2010	Research internship, Univ de Genève (Supervisors: L Bonacina, J-P Wolf) 8 weeks
Fundings	s, fellowships, and awards

2024 – 27	CORE grant, Fonds National de la Recherche, Luxembourg 830 kEUR
2020-25	ATTRACT Fellowship, Fonds National de la Recherche, Luxembourg 1.5 MEUR

2017–20	Oppenheimer Research Fellowship, Univ of Cambridge Junior Research Fellowship, St Catharine's College, Cambridge	
2017	PhD prize, Institut des Systèmes Complexes, Paris (3 rd prize) Best talk prize, SIAM-IMA Annual Conference, Univ of Cambridge	
2015	Best talk prize, Active Liquids, Lorentz Center, Leiden	
2013–16	Teaching Assistantship, Univ Paris Diderot	
2010 10	PhD Scholarship, ENS Cachan	
2011 – 13	Master Scholarship, ENS Cachan	
Scientific	c presentations, organized events, and review service	
Invited c	onference talks	
2024	The Many Faces of Active Mechanics, KITP, Santa Barbara	
	Nonequilibrium Statistical Physics of Complex Systems, Seoul	
2023	Frontiers in Nonequilibrium Physics: Active Matter, Topology and Beyond, Kyoto Conference on Statistical Mechanics, Sitges	
	Physics of Dense and Active Disordered Materials, Kyoto	
	Frontiers in Nonequilibrium Physics, Institute of Mathematical Sciences, Chennai	
2022	Statistical Mechanical Theories of Emergence in Biological Systems, Edinburgh Numerical Techniques for Nonequilibrium Steady States, CECAM, Mainz	
2020	Symmetry, Thermodynamics and Topology in Active Matter, KITP (online)	
2018	Why Measure Entropy Production?, Princeton Univ	
	Active Matter Session, Univ of California, Berkeley	
Contribu	ted conference talks	
2024	Energy, Information and Evolution in Biology, Institut d'Etudes Scientifiques, Cargèse	
	Dissipative Processes in Molecular Systems, Padova	
	Workshop on Stochastic Thermodynamics V (online)	
2020	DPG Spring Meeting, Berlin	
2023	Computational Advances in Active Matter, Lorentz Center, Leiden StatPhys, Soft Matter, Tokyo	
	Bridge between Non-equilibrium Statistical Physics and Biology, Cambridge	
	New Perspectives in Active Systems, Dresden	
	From Soft Matter to Biophysics, Les Houches	
2021	Liquid Matter Conference, Prague (online)	
	Workshop on Stochastic Thermodynamics II (online)	
2020	Motile Active Matter Conference, Bonn (online)	
2019	StatPhys, Out-of-equilibrium aspects, Buenos Aires	
	International Soft Matter Conference, Edinburgh	
	Statistical Physics of Complex Systems, Nordita, Stockholm	
2018	Nonequilibrium Collective Dynamics, Technische Univ Berlin Fundamental Problems in Active Matter, Aspen Center for Physics	
2017	SIAM-IMA Annual Conference, Univ of Cambridge	
	Edwards Centre Mini Conference, Univ of Cambridge	
	Open Statistical Physics, Milton Keynes	
2016	StatPhys, Biological Physics, Lyon Non-Gaussian Workshop, YITP, Kyoto	
2015	Active Liquids, Lorentz Center, Leiden	
2014	Condensed Matter in Paris, Univ Paris Descartes	
	ESPCI, Journées de Physique Statistique, Paris	
Invited seminars		

Invited seminars

2024 LPTMC, Sorbonne Univ, Paris

Institute of Physics, Univ of Copenhagen Niels Bohr Institute, Univ of Copenhagen 2023 Biological, Soft and Complex Materials and Theory Seminar, Univ of Bristol EMBL Theory Seminar, Heidelberg 2020 Biological Physics and Physical Biology, online DAMTP, Soft Matter Seminar, Univ of Cambridge (online) Mathematical Physics Seminar, Univ of Cambridge (online) Mathematical Physics Seminar, Univ of Cambridge (online) Dept of Physics, Guangdong Technion (online) Quantum Science and Technology, Univ of Luxembourg (online) Orn-equilibrium Statistical Physics, Georg-August-Univ Göttingen (online) Centre de Physique Théorique, Aix-Marseille Univ (online) Centre de Physique Théorique, Aix-Marseille Univ (online) Dept of Physics, Univ of Bath 2019 ICTP, Quantitative Life Sciences Group, Trieste James Franck Institute, Dept of Chemistry, Univ of Chicago Physics of Living Systems, Massachusstts Institute of Technology Physics and Materials Science Research Unit, Univ of Luxembourg Institute of Physics, Computational Soft Matter, Univ of Amsterdam LiPhy Laboratory, Univ Grenoble Alpes Charles Coulomb Laboratory, Univ de Montpellier ESPCI, Gulliver Laboratory, Paris St Catharine's College, Graduate Research Seminars, Cambridge Research Colloquium Series, California State Univ, Fullerton 2017 DAMTP, Soft Matter Seminar, Univ of Cambridge DAMTP, BioLunch Seminar, Univ of Cambridge DAMTP, BioLunch Seminar, Univ of Cambridge MSC Laboratory Seminar, Univ Of Cambridge MSC Laboratory, Univ Grenoble Alpes Physics-Biology Interface Seminar, Univ Paris Diderot Yukawa Institute for Theoretical Physics, Kyoto LiPhy Laboratory, Univ Grenoble Alpes Physics-Biology Interface Seminar, Univ Paris Diderot MSC Laboratory, Theory Group, Univ Paris Diderot MSC Laboratory, Theory Group, Univ Paris Diderot MSC Laboratory, Physique du vivant, Univ Paris Diderot MSC Laboratory, Physique du vivant, Univ Paris Diderot MSC Laboratory, Physique du vivant, Uni		Dpt of Physics, Univ of Liège	
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