

Curriculum Vitae of Tommaso Lorenzi

Personal information

Associate Professor of Mathematical Physics
Politecnico di Torino, Department of Mathematical Sciences “G. L. Lagrange”
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Date of birth: 29th May 1984 — Nationality: Italian

Academic appointments

2020 – ... Associate Professor of Mathematical Physics, Politecnico di Torino
2015 – 2020 Research Fellow in Applied Mathematics, University of St Andrews
2014 – 2015 Postdoctoral Fellow in Mathematics for Life Sciences, École Normale Supérieure Paris-Saclay
2013 – 2014 Postdoctoral Fellow in Mathematics, Sorbonne Université

Education

2013 PhD in Applied Mathematics, Politecnico di Torino
2008 MSc in Engineering Physics, Politecnico di Torino

Fellowships and prizes (selected)

2015 5-year Research Fellowship in Applied Mathematics from the University of St Andrews
2015 INdAM-SIMAI-UMI prize for the best Italian PhD thesis in Applied Mathematics
2014 2-year Postdoctoral Fellowship in Mathematics for the Life Sciences from the Fondation Mathématique Jacques Hadamard - Labex Mathématique Hadamard
2013 1-year Postdoctoral Fellowship in Mathematics from the Fondation Sciences Mathématiques de Paris

Editorial and society board roles

2022 – ... Member of the Board of the European Society for Mathematical and Theoretical Biology
2022 – ... Member of the Editorial Board of the journal *Physica D: Nonlinear Phenomena*

Grants

2023 – 2025 PRIN 2022 PNRR funded by the Italian Ministry of University and Research (MUR)
Amount awarded: 225 000 €
Project: A Unitary Mathematical Framework for Modelling Muscular Dystrophies
Role: Research unit coordinator — Amount awarded to the research unit: 96 000 €
2022 – 2026 IRP funded by the Centre National de la Recherche Scientifique (CNRS)
Amount awarded: 40 000 €
Project: Modelling Cell and Tissue Biomechanics
Role: Foreign PI
2017 – 2020 Smaller grants, including from: London Mathematical Society, Quarterly Journal of Mechanics and Applied Mathematics, Glasgow Mathematical Journal Trust, Edinburgh Mathematical Society

Invited research visits (selected)

2023 Isaac Newton Institute for Mathematical Sciences, University of Cambridge
2023 Institute for Mathematical Sciences, National University of Singapore
2022 Institut Henri Poincaré, Sorbonne Université
2019 Wolfson Centre for Mathematical Biology, University of Oxford
2018 Institut für Angewandte Mathematik, Universität Heidelberg

Invited academic presentations (selected)**Conference and workshop talks**

10/2023	Mathematical Challenges in Modelling Cancer Dynamics (LJLL)
08/2023	Collective Behaviour (INI)
09/2022	Mathematical Models for Biological Multi-Scale Systems (WIAS)
07/2022	Interacting Particle Systems in Mathematical Biology (HIM)
08/2019	Mathematical Models in Cancer (WPI)
09/2018	Differential Equations Arising from Organising Principles in Biology (MFO)
07/2018	Mathematical Perspectives in the Biology and Therapeutics of Cancer (CIRM)

Departmental seminars

02/2023	Mathematical Biology Seminar (University of Melbourne)
02/2022	Mathematics for Real World Systems Seminar (University of Warwick)
04/2021	Applied Analysis Seminar (University of Graz)
04/2019	Applied Mathematics Seminar (University of Glasgow)
01/2018	Mathematical Biology Seminar (Heriot-Watt University)
09/2017	Seminar of the Heidelberg Graduate School MathComp (Universität Heidelberg)
06/2017	Seminaire du Laboratoire Jacques-Louis Lions (Sorbonne Université)

Organisation of scientific meetings (selected)**Member of organising committees of scientific programmes and conferences**

2023	Multiscale Analysis and Methods for Quantum and Kinetic Problems - National University of Singapore
2018	60th British Applied Mathematics Colloquium (>300 attendees) - University of St Andrews

Co-lead organiser of workshops

2022	Tissue Growth and Movement (>60 attendees) - Institut Henri Poincaré
2022	Mathematical Challenges in Biology and Medicine (>60 attendees) - Politecnico di Torino
2017	5th Scottish PDE Colloquium (>40 attendees) - University of St Andrews

Co-lead organiser of summer schools

2024	From Cells to Tissues: Models, Analysis and Applications - Fondazione Alessandro Volta
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Peer-review activities (selected)

Reviewer for scientific book series (e.g. Springer Nature Books) and journals in mathematics (e.g. ESAIM Math Model Numer Anal, Nonlinearity, SIAM J Math Anal), mathematical biology (e.g. Bull Math Biol, J Math Biol, PLoS Comput Biol), and biology and multidisciplinary scientific research (e.g. Biol Direct, Cancer Res, Nat Commun). Evaluator for funding agencies and research institutions, such as the Agence Nationale de la Recherche, the Institut National de Recherche en Informatique et en Automatique, and the Deutsche Forschungsgemeinschaft.

Institutional responsibilities (selected)

2024 – ...	Organiser of the European Society for Mathematical and Theoretical Biology Colloquium
2023 – ...	Member of the board of the PhD Programme in Mathematical Sciences, Politecnico di Torino
2018 – 2020	Organiser of the weekly seminar on Applied Mathematics, University of St Andrews
2018 – 2020	Member of outreach committee of the School of Mathematics and Statistics, University of St Andrews

Supervision of students and postdocs

2015 – ...	18 BSc students, 15 MSc students, 7 PhD students, 5 postdocs
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