

Francesco Maria Mori

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EDUCATION

- PhD in Mathematics**, joint doctoral program among the Universities of Modena and Reggio Emilia, Parma, and Ferrara (Italy) *2025 – Present*
Supervisors: Prof. Maria Groppi (UniPR) & Dr. Martina Conte (PoliTO)
- M.Sc. in Mathematics**, University of Parma *2022 – 2025*
Thesis: Non local kinetic model for density-dependent cell migration: from microscopic to macroscopic description
Supervisors: Prof. Maria Groppi (UniPR) & Dr. Martina Conte (PoliTO)
Grade: 110/110 cum laude
Erasmus+ exchange semester, Universidad de Granada (Spain)
- B.Sc. in Mathematics**, University of Parma *2017 – 2022*
Thesis: The Cahn–Hilliard model for phase transitions: an approach via Γ -convergence
Supervisor: Prof. Giampiero Palatucci (UniPR)
Grade: 110/110

PAPERS IN PREPARATION

- M. Conte, M. Groppi, N. Loy, and F. Mori. Emergent dynamics of density-dependent cell migration: a non-local kinetic approach.

CONTRIBUTED TALKS

- Emergent dynamics of density-dependent cell migration: a non-local kinetic approach* 14–18 Sep 2026
Summer School “Pattern Formation, Analysis & Numerics”
Sapienza University of Rome, Italy
- On the Stability of a Nonlocal Kinetic Model for Density-Dependent Cell Migration* 13–17 July 2026
14th European Conference on Mathematical & Theoretical Biology
University of Graz, Austria
- A Nonlocal Kinetic Model for Density-Dependent Cell Migration: Stability and Pattern Formation* 15–19 Jun 2026
International Doctoral Summer School BIOMAT 2026
University of Granada, Spain

POSTER PRESENTATIONS

- On the Stability of a Nonlocal Kinetic Model for Density-Dependent Cell Migration* 07–13 Jun 2026
13th Summer School on Methods and Models of Kinetic Theory
Pesaro, Italy

PARTICIPATION TO CONFERENCES AND WORKSHOPS

- 14th European Conference on Mathematical & Theoretical Biology 13–17 July 2026
University of Graz, Austria
- Workshop “From Micro to Macro in Mathematical Biology” 09–11 Feb 2026
Politecnico di Torino, Italy

PARTICIPATION TO SUMMER SCHOOLS

Summer School “ <i>Pattern Formation, Analysis & Numerics</i> ” Sapienza University of Rome, Italy	14–18 Sep 2026
51st Summer School on Mathematical Physics Ravello, Italy	1–11 Sep 2026
International Doctoral Summer School BIOMAT 2026 University of Granada, Spain	15–19 Jun 2026
13th Summer School on Methods and Models of Kinetic Theory Pesaro, Italy	07–13 Jun 2026

GRANTS

Travel grant to attend the Summer School “ <i>Pattern Formation, Analysis & Numerics</i> ” (Rome)	2026
Travel grant to attend the 14th European Conference of Mathematical and Theoretical Biology (Graz)	2026
Travel grant to attend the International Doctoral Summer School BIOMAT 2026 (Granada)	2026

TEACHING EXPERIENCE

Tutor for the undergraduate course <i>Mathematics 1 and Exercises</i> University of Parma	Oct 2025–Jun 2026
Teaching and organizational assistant for the CORDA Project (Mathematics outreach and orientation program for final-year high school students) University of Parma	Mar-Apr 2026
Tutor for the undergraduate course <i>Calculus 1 (Unit 2)</i> University of Parma	Spring 2024
Tutor for the undergraduate course <i>Calculus 2</i> University of Parma	Spring 2024

ACADEMIC SERVICE

Tutor for Internationalization Activities University of Parma	Nov 2025–Present
Member of the Department Quality Assurance Committee (PQD) University of Parma	Apr 2024–Sep 2025

MEMBERSHIPS

ESMTB (European Society for Mathematical and Theoretical Biology)	2026
GNFM (Mathematical Physics National Group)	2026

SKILLS

Programming Languages: Matlab, C++, Java	
Languages:	
<i>Italian</i>	Native
<i>English</i>	B2 (Cambridge English Certificate, Apr 2016)
<i>Spanish</i>	B2 (SIELE Certificate, Jan 2024)