



Education

- 2018 – present **Ph.D. in co-tutelle in Mathematics for Engineering**
École Polytechnique, Palaiseau (FRANCE) & Sapienza University of Rome (ITALY)
- 2013 – 2017 **M.S. in Applied Mathematics** – Sapienza University of Rome (ITALY)
- 2009 – 2012 **B.S. in Mathematics** – Sapienza University of Rome (ITALY)

Work Experience

- July 2018 **MYMC**, Sapienza University of Rome (ITALY)
- Supporting Student
- Nov. 2017 **INTERNSHIP**, IT Research Team, Bank of Italy, Frascati (ITALY)
– April 2018 - Study of Complexity in Enterprise Architecture
- July 2016 **MYMC**, Sapienza University of Rome (ITALY)
- Supporting Student
- Sept. 2013 **PROGETTO LAUREE SCIENTIFICHE**, Sapienza University of Rome (ITALY)
- Sept. 2016 - Tutor of high school students

Publications and Conference Presentations

Selected talks

- Mathematical Biology on the Mediterranean Coast (MBMC 2021), online conference - May 2021
- 25th Congress of the European Society of Biomechanics (ES Biomech Conference 2019), Vienna (AUSTRIA) - July 2019
- 8th Biennial European Cell Mechanics Meeting (CELLMECH 2019), IFOM, Milan (ITALY) - June 2019
- Modelling & Experiments in Drug Delivery Systems (MEDDS), Glasgow (SCOTLAND) - September 2018

Posters

- Mechanobiology Institute of Singapore, online conference - October 2020
- CELLMECH 2019, IFOM, Milan (ITALY) - June 2019.

Schools

- Imaging, Modeling and Simulations in Biomechanics & Mechanobiology (ITALY)- February 2020
- 3rd SYSBIO.IT SCHOOL, Computational Systems Biology (ITALY) - May 2018.

Publications

- G. Bretti, A. De Ninno, D. Peri, R. Natalini and **N. Roselli**, Estimation algorithm for a hybrid PDE-ODE model inspired by immunocompetent cancer-on-chip experiment. *Under Review*.
- **N. Roselli**, A. Castagnino, G. Pontrelli, R. Natalini and A.I. Barakat, Modeling ATP-Mediated Endothelial Cell Elongation on Line Patterns. *In Preparation*. 2021.

Skills

Languages

- ITALIAN (mother tongue)
- English (good knowledge, B2)
- French (basic knowledge, B1)

Computer Languages and Tools

- Matlab, Archimate
 - Python, C++
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