

Micali, Gabriele

Personal information

Phone number	
Email	
Current Affiliation	ETH Zürich and Eawag, Switzerland
Host Institution for ECF proposal	IRCCS Istituto Clinico Humanitas – Humanitas Mirasole SPA

Research interests

- Human microbiome and colonization resistance
- Individual cell behaviors
- Stochastic modeling

Education

Date	Degree and University
From: June 2013 To: January 2017	PhD in Life Sciences Imperial College London, London (UK) Thesis title: Bacterial chemotaxis: from information processing to behaviour Name of advisor: Professor Robert G Endres
From: September 2010 To: March 2013	MSc in Physics Università degli Studi di Milano, Milan (Italy) Thesis title: Amplitude and frequency modulation in gene regulation Grade: 109/110 Name of advisor: Professor Guido Tiana
From: September 2006 To: March 2010	BSc in Physics Università degli Studi di Milano, Milan (Italy) Thesis title: Un modello di evoluzione per duplicazione e innovazione di network trascrizionali (in Italian) Grade: 107/110 Name of advisor: Professor Bruno Bassetti

Research Experience

Date	Project Information
From: March 2017 To: <i>present</i>	Postdoctoral researcher at ETH Zürich, Zürich (Switzerland) Research field: Microbiology, microfluidic devices, single-cell imaging Name of advisor: Professor Martin Ackermann
From: November 2016 To: February 2017	Visiting researcher at IFOM, Milan (Italy) Research field: bacterial cell physiology, division control, stochastic modelling Name of advisor: Professor Marco Cosentino Lagomarsino
From: January 2012 To: December 2012	Visiting student at Imperial College London, London (UK) Research field: gene regulation in yeast, stochastic modelling Name of advisor: Professor Robert G Endres

Scholarships, Funding Acquisition, and other Awards

- Award of Faculty of Natural Sciences Prize for Excellence in Support of Teaching and Learning

Invited Contributions to Scientific Meetings

- July 2019, Center for Physics, Aspen, CO, United States. Lecture on cell division control in bacteria
- March 2016, Institute for Advanced Study, Princeton, NJ, United States. Lecture on information transmission in chemotaxis
- March 2016, New York University, New York, NY, United States. Lecture on information transmission in chemotaxis
- December 2015, Eawag, Dübendorf, Switzerland. Lecture on information transmission in chemotaxis
- August 2014, UC Davis, CA, United States, Lecture on information transmission in chemotaxis

- September 2018, EMBO workshop: cell size and shape, Bangalore, India. Contributed talk
- March 2016, APS March meeting, Baltimore, MD, United States. Contributed talk
- August 2014, The Eighth q-Bio Conference, Santa Fe, NM, United States. Contributed talk

Other Information

- Referee for international journals: Phys Rev E, FEMS Microb. Rev., Comm. Phys., ISME J., and Front. in Microbiol.
- IT Skills: C++, Matlab, R, Mathematica, Ilastik, Java and Python
- Languages: Italian (native), English and Spanish (fluent). German (basic)
- Referees: Martin Ackermann : _____
 Robert G Endres : _____
 Marco Cosentino Lagomarsino : _____