
EDUCATION**University of Genoa**

MAR 2000 - MAY 2004

PhD in Philosophy of Science

- Supervisor: Evandro Agazzi
- Dissertation title: I due problemi fondamentali della meccanica statistica
- Qualification: with honors

University of Genoa

NOV 1993 - DEC 1998

MA in Philosophy

- Supervisor: Evandro Agazzi
- Dissertation title: L'epistemologia di Planck nel suo contesto storico
- Qualification: with honors and right to be published

WORK EXPERIENCE**University of Verona**

FEB 2018 - PRESENT

Assistant Professor

- Department of Human Sciences
- Teaching and Research Position
- AOC: Logic, Philosophy of Science, Epistemology
- AOS: History and Philosophy of Science

**Universitat Autònoma de Barcelona -
Massachusetts Institute of Technology**

NOV 2014 - OCT 2017

Marie Skłodowska-Curie Fellow

- Research position
- Mentors: David Kaiser and Agustí Nieto-Galan
- Project management responsibility

Universitat Autònoma de Barcelona

JUL 2012 - JUN 2014

Post-Doctoral Research Fellow

- Research position
- Organizational responsibility

**Max Planck Institute for the History of
Science**

DEC 2011 - JUN 2012

Post-Doctoral Research Fellow

- Research position

Fritz Haber Institute of the Max Planck

JAN 2010 - NOV 2011

Society

Post-Doctoral Research Fellow

- Research position
- Cooperation with working scientists

Max Planck Institute for the History of Science

JAN 2007 - DEC 2009

Post-Doctoral Research Fellow

- Research position
- Mentor: Jürgen Renn

Max Planck Institute for the History of Science

JUN 2005 - DEC 2006

Visiting Scholar

- Visiting position

LANGUAGES

Italian (Native proficiency), **English** (Full professional proficiency), **German** (Professional working proficiency), **Spanish** (Limited working proficiency), **Catalan** (Limited working proficiency), **French** (Elementary proficiency)

TEACHING

Logic (M-Fil/02)

FEB 26, 2018 - APR 21, 2018

University of Verona

- Bachelor Course (Philosophy)
- Description, ILO, and Syllabus can be downloaded [here](#)

Foundations of Logic (L-Fil-Let/12)

FEB 26, 2018 - APR 7, 2018

University of Verona

- Bachelor Course (Educational Sciences)
- Description, ILO, and Syllabus can be downloaded [here](#)

Kaufman Teaching Certificate

JUN 2015

Massachusetts Institute of Technology

Teaching program consisting of a series of dedicated workshops oriented to improve and enlarge teaching skills at university level:

- Introduction to Research on How People Learn
- Designing a Course and Constructing a Syllabus
- Constructing Effective Problem Sets and Exam Questions
- Planning and Facilitating a Class Session
- Interactive Teaching and Active Learning
- Teaching Inclusively
- Enhancing Learning with Educational Technology Developing a Teaching
- Writing a Teaching Philosophy Statement

Research and Pedagogy: Textbooks and the History of Quantum Physics (FISC27)

AUG 2014

Universidade Federal da Bahia

- PhD Course
- Programa de Pós-Graduação em Ensino Filosofia e História das Ciências

Theories of Scientific Explanation (M-FIL/02)

APR 2011

University of Genoa

- Seminar BA Course
- Philosophy of Science

Methodology of Science and Technology Studies (M-FIL/02)

MAR 2009

University of Genoa

- Seminar MA Course
- Philosophy of Science
- Sociology of Science
- Cultural Studies of Science

PHD SUPERVISION

Candidate: Leyla Mariane Joaquim

29 Aug 2014

Universidade Federal da Bahia

- Dissertation title: *Disciplinary Encounters. When Physics Meets Biology: Some Historical and Contemporary Perspective.*
 - Result: with honors.
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PROFESSIONAL SERVICES

Journal Boards Memberships

- Advisory Editor of *Isis* (2015-2017).
- Scientific Board Member of *Organon*.

Publisher Boards Memberships

- Co-Editor of the series *History of Modern Science*, Brill.
- Co-Editor of the series *Edition Open Sources*, EOA, Berlin.
- Scientific Board Member of the series *Studies and Sources in Political Epistemology*, Edizioni Ca' Foscari, Venice.
- Editor of the series *Meccanismi*, Edizioni Melquiades, Milan.

Manuscripts Refereeing

- *Epistemologia*
- *Physis*
- *Isis*
- *Journal of Philosophy*
- *Foundations of Physics – Letters*
- *Studies in History and Philosophy of Modern Physics*
- *European Physical Journal H*
- *Physics Today*
- *European Journal for Philosophy of Science*
- *Historical Studies in the Natural Sciences*
- *European Journal of Physics*
- *Foundations of Science*
- *British Journal for the History of Science*
- *Archive of History of Exact Sciences*
- *Theoria*
- *Physics in Perspective.*

Book Submissions Refereeing

- Boston Studies in Philosophy of Science
- Oxford University Press
- University of Pittsburgh Press

Research Projects Refereeing

- Expert reviewer of international research proposals for the National Center of Science and Technology Evaluation, Kazakhstan.
- Member of the selection committee of special issues of *Centaurus*.

Symposia Organized

- *Mathematical Laboratory / Paper Physics: Concepts, Pedagogy, and Methods of Mathematical Physics*, HSS annual meeting, Chicago, IL, November 6-9, 2014.
- *Circulating Theoretical Physics: Scientific Exchanges between Europe, US, and Latin America*, Three Societies Meeting, Philadelphia, July, 11-14, 2012.
- *Crossing Borders in Quantum Physics*, 4th Conference of the European Society for the History of Science, Barcelona, November 18-20, 2010.
- *Research and Pedagogy. A History of Quantum Physics through its Textbooks I and II* (with Jaume Navarro), HSS annual meeting, Phoenix, AZ November 19-21, 2009.

Conferences Organized

- *Joint 3rd International Conference on the History of Physics under the auspices of the European Physical Society and 4th Early-Career Conference for Historians in the Physical Sciences of the American Institute of Physics*, San Sebastian, October 17-21, 2018.
- *Science as Cultural Hegemony – Gramscian Concepts for the History of Science*, Barcelona, January 21-23, 2014.
- *History of Quantum Physics (HQ3)*, Berlin June 28-July 2, 2010.

SOCIETY MEMBERSHIPS

- European Society of the History of Science
- Società italiana di logica e filosofia della scienza

HONORS AND GRANTS

Research Professorship

DEC 2016

Ikerbasque Foundation

Position cancelled for administrative reasons

Marie Skłodowska-Curie International Outgoing Fellowship

DEC 2013

Marie Skłodowska-Curie Actions

Evaluation: 98/100

Award for Dissertations in History of Physics

APR 1999

Accademia Nazionale delle Scienze detta dei XL

OUTREACH

Articles

- M. Badino, 2005, "L'Universo: finito, infinito o...?", *KOS*, 3, 50–55.
- M. Badino, 2003, "Verso una teoria del tutto?", *Golem L'Indispensabile*, 3, Federico Motta Editore.

Web

- Personal blog <https://ihavetoadmitblog.wordpress.com/>
- Personal blog <http://massimilianobadino.com/captains-log/>

Other Initiatives

- I am collaborating with the publisher Castelvecchi to produce a series of collections of writings of Max Planck for a broad audience
- Popular lectures at the Genoa Science Festival.

RESEARCH PROJECTS

Science, Cultural Hegemony, and Civil Society: Gramscian Concepts for the History of Science

2014 - PRESENT

- Description: International Project of the UAB and the Max Planck Institute for the History of Science
- Funded: Max Planck Institute for the History of Science and CEHIC
- Position: Principal Investigator (with Pietro D. Omodeo)
- Details [here](#)

Order/Chaos: Genealogy of Two Concepts in the Culture of European Mathematical Physics

Nov 2014 - Oct 2017

- Description: International Outgoing Fellowship at UAB and MIT
- Funded: Marie Skłodowska-Curie Actions Grant no. PEOF-GA-2013-623536
- Position: Principal Investigator
- Details [here](#)

Probability in Quantum and Statistical Mechanics

2011 - 2014

- Description: German-Israeli collaboration between the Max Planck Institute for the History of Science, the Department of Philosophy of Jerusalem, and the Department of Philosophy of Haifa
- Funded: German-Israeli Foundation, Grant no. I-1054-112.4/2009

- Position: Research Associate
- Details [here](#)

Research and Pedagogy: A History of Quantum Physics Through its Textbooks

2009 - 2013

- Description: International Project of a network of European and American Universities
- Funded: Max Planck Society
- Position: Principal Investigator (with Jaume Navarro)
- Details [here](#)

History and Foundations of Quantum Physics

2006 - 2012

- Description: International Project of a network of European and American Universities
- Funded: Strategic Funds of the President of the Max Planck Society
- Position: Research Associate
- Details [here](#)

RESEARCH INTERESTS

- History and philosophy of modern physics, in particular quantum theory, classical mechanics, statistical mechanics, celestial mechanics, chaos theory
- Scientific realism
- Concept dynamics and theory change
- History and philosophy of scientific practices
- Political epistemology
- Theories of scientific explanation
- Order and chaos in mechanics from the Enlightenment

ERC Sectors: SH4-13; SH3-13; SH6-13
