

## CURRICULUM VITAE

Family name, First name: Bonomi, Massimiliano

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### • EDUCATION

2019            Habilitation à diriger des recherches (HDR), Sorbonne Université, France  
2010            PhD, ETHZ, Switzerland, Supervisor: Prof. Michele Parrinello  
2005            BSc, Department of Physics, Università degli Studi di Milano, Italy

### • CURRENT POSITION(S)

2025 –            Fellow of the PaRis Artificial Intelligence Research InstitutE (PRAIRIE)  
2024 –            Head of Computational Structural Biology U5 Unit, Institut Pasteur, France  
2023 –            Directeur de recherche de 2e classe, CNRS, France

### • PREVIOUS POSITIONS

2021 – 2023    Group Leader, Structural Bioinformatics Unit, Institut Pasteur, France  
2018 – 2023    Chargé de recherche de classe normal, CNRS, France  
2013 – 2018    Postdoctoral researcher, University of Cambridge, UK  
2010 – 2013    Postdoctoral researcher, University of California San Francisco, USA  
2005 – 2006    Research fellow, Università degli Studi di Milano, Italy

### • SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2021 –            Tutor: 1 Postdoc  
                    Department of Biology, University of Copenhagen, Denmark  
2019 –            Supervisor: 8 Postdocs / 4 PhD students / 3 Master students  
                    Department of Structural Biology and Chemistry, Institut Pasteur, France  
2019 –            Co-supervisor: 1 PhD student / 1 Master student  
                    Department of Chemistry, University of Cambridge, UK

### • TEACHING ACTIVITIES

2025 –            Director of “AI in Life Sciences” course at Institut Pasteur, Paris (France)  
2024            Structural Biology and Biophysics I graduate course, Scripps Research, La Jolla (USA)  
2024            Introduction to Structural Bioinformatics, Institut Pasteur Laos, Vientiane (Laos)  
2021 – 2022    PLUMED Masterclass, Zoom/YouTube (1 hour/week; [www.plumed.org/masterclass](http://www.plumed.org/masterclass))  
2019 –            Free-energy calculations with PLUMED (1 day/year), Université de Paris, France  
2022            EMBO Course “*Integrative cellular structural biology*”, Paris (France)  
2018            Advanced School on Applications of First Principles and Molecular Simulations in Physical Sciences (1 week), Federal University of Agriculture, Nigeria  
2017            Computer simulation methods in chemistry/physics (1 week), University of Cambridge, UK  
2016            SISSA Summer School on Atomistic Simulation Techniques for Material Science, Nanotechnology, and Biophysics (1 week), Italy  
2012            PASI: Molecular-based Multiscale Modeling and Simulation (2 weeks), Uruguay

### • ORGANISATION OF SCIENTIFIC MEETINGS

2026            Organizer, CECAM Flagship Workshop, France  
2023            Organizer, CECAM Flagship School, ~40 participants, Switzerland  
2023            Organizer, CECAM Flagship Workshop, ~40 participants, France  
2022            Organizer, CECAM Flagship Workshop, ~100 participants, Switzerland  
2022            Organizer, Instruct-ERIC Training Course, ~40 participants, online  
2019            Organizer, CECAM Flagship School, ~100 participants, Switzerland  
2017            Organizer, PLUMED Tutorial and User Meeting, ~50 participants, Italy  
2014            Organizer, CECAM Flagship Workshop, ~50 participants, UK

### • INSTITUTIONAL RESPONSIBILITIES

2020 – PhD committees: 7 PhD students  
Institut Pasteur, Sorbonne Université, Université de Montpellier, France

• **REVIEWING ACTIVITIES**

2010 – Reviewer for 40 international journals (Nat Comm, Nat Methods, JACS, Sci Adv, ...)  
2024 Grant reviewer for Institut Pasteur Italia, Italy  
2024 External review for Technische Universität München, Germany  
2024 Panel member for the German Research Foundation (DFG), Germany  
2024 Grant reviewer for the Czech Science Foundation, Czech Republic  
2021 – 2023 Specialty Chief Editor of Frontiers in Molecular Biosciences  
2023 Panel member for WWTF “Understanding biology with AI/ML”, Austria  
2023 Grant reviewer for the ERC Advanced Grant, Belgium  
2023 Grant reviewer for the United States-Israel Binational Science Foundation, Israel  
2023 – Panel member for Pasteur-Roux-Cantarini postdoctoral fellowship, France  
2022 External referee for the Department of Physics of the ETH Zurich, Switzerland  
2022 Reviewer of PRACE proposals for Project Access, Belgium  
2021 External referee for the Faculty of Science of the University of Amsterdam, Netherlands  
2021 Grant reviewer for TIFR - Tata Institute of Fundamental Research, India  
2021 Grant reviewer for ANR - Agence Nationale de la Recherche, France  
2021 External scientific expert for INRIA, France  
2020 Grant reviewer for CECAM, Switzerland  
2020 Evaluator for the Czech Academy of Sciences, Czech Republic  
2019 Grant reviewer for ISF - Israel Science Foundation, Israel  
2019 External reviewer for the University of Michigan, USA  
2018 Grant reviewer for the Italian Ministry of Education, University, and Research, Italy

• **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

2022 – Member, The Biophysical Society, USA