

FILIPPO MONTI

Los Angeles, CA, USA | <https://fil-monti.github.io>

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Research Interests: *Bayesian statistics, computational statistics, nonparametric methods, phylogenetics.*

Education

University of California, Los Angeles (UCLA), Los Angeles, USA

Ph.D. Candidate in Biostatistics

2022 – Present

Advisor: Prof. Suchard

Bocconi University, Milan, Italy

M.Sc. in Economic and Social Sciences (ESS), *110/110 & laude*

2019 – 2022

Thesis: *Bayesian nonparametric methods in Biostatistics*

Supervisor: Prof. Prünster

Bocconi University, Milan, Italy

B.Sc. in Economic and Social Sciences (CLES), *110/110 & laude*

2016 – 2019

Awards and Fellowships

Graduate Division Fellowship (funded), UCLA

2022 – 2026

Graduate Summer Research Mentorship (funded), UCLA

Summer 2023

Graduate Merit Award (full tuition waiver), Bocconi University

2019 – 2021

Unicredit Foundation Grant (full tuition waiver), BSE Summer School

Summer 2021

Publications and Working Papers

Monti, F., Ji, X., Suchard, M. A. (2025+). *Nonparametric Modeling of Continuous-Time Markov Chains*. Manuscript under review.

Monti, F., Faria, N. R., Hill S., Shapiro, B., Ji, X., Lemey P., Kraemer M., and Suchard, M.A. *Non-Linear Drivers of Population Dynamics: a Nonparametric Coalescent Approach*. Manuscript in preparation.

Monti F. and Suchard M.A. *Dependencies between stochastic processes over trees*. Manuscript in preparation.

Monti F., Holbrook A., and Suchard M.A. *Scalable Ornstein–Uhlenbeck processes over trees*. Manuscript in preparation.

Invited Talks and Conference Presentations

SysBio 2025 – Annual Systems Biology of Infectious Diseases Meeting, Rockville, MD, USA. Invited talk: *Flexibly Modeling Viral Substitution and Coalescent Processes with*

Covariates.

BISP 2025 – Bayesian Inference in Stochastic Processes, Milan, Italy. Poster: *Nonparametric Modeling of Continuous-Time Markov Chains*.

ISBA World Meeting 2024, Venice, Italy. Poster: *Nonparametric Modeling of Continuous-Time Markov Chains*.

Teaching

Applied Bayesian Statistics School in Como (Italy)

Lecturer (with Prof. Suchard)

Bayesian phylogenetics and infectious diseases

Summer 2024

University of California, Los Angeles (UCLA)

Teaching Assistant

Biostat 250A: Linear Models (PhD Level)

Sept 2025 – Dec 2025

Biostat 100A/B: Introduction to Biostatistics

Sept 2022 – Sept 2023

Other Appointments

University of California, Los Angeles (UCLA), Los Angeles, USA

Graduate Research Assistant, Suchard Group

Jul 2022 – Present

Bocconi University, Milan, Italy

Fellow, Bayesian Learning Laboratory (BayesLab)

2021 – 2022

Visiting Student, BIDS-IGIER

2020 – 2021

Research Intern, IGIER (Supervisor: Prof. Marinacci)

Summer 2018

Harvard University, Boston, USA

Fellow, Social Economics Lab

2020 – 2021

Research Assistant (hosted at IGIER, Bocconi)

Nov 2020 – Jul 2021

European Commission, Luxembourg

Intern, DG ECFIN, Division L3: Risk Management

Jun 2019 – Aug 2019

Service and Leadership

ISBA Bayesian Nonparametrics (BPN 2025), Los Angeles, USA

Volunteer, organizational support

Jul 2025

Bocconi University, Milan, Italy

President, Economic Society for Bocconi Students

Sep 2020 – Sep 2021

Student Representative, Council of the Department of Finance

2017 – 2019

Student Representative, Program Committee

2017 – 2018

Other Activities

Agesci (Italian Scout Association), Forlì, Italy	2006 – 2018
Volunteer, disadvantaged children's educational activities, Baia Mare, Romania	Aug 2016
Volunteer, elderly shelter, Forlì, Italy	Sep 2015 – Apr 2016

Skills

Programming: R, Java, Shell scripting (proficient); Julia, Python (good)

Languages: Italian (native), English (C2), Spanish (B2)

Last updated: November 10, 2025