

Justine Leclerc

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Education

PhD in Epidemiology and Biostatistics, Universität Zürich, Universitätsspital Zürich

Present

- Biostatistics and Epidemiology program at the Life Science Graduating School Zürich co-organized by UZH and ETHZ.
- Supervisors: Asst. Prof. Dr. Christof Seiler (Center of Experimental Rheumatology, USZ) and Prof. Dr. Mark Robinson (Department of Molecular Life Sciences, UZH)
- Project: RAI Platform – Reliable AI for Biomedicine

MSc in Statistics (Grade: 5.47/6), Eidgenössische Technische Hochschule Zürich

2023–2025

- Relevant courses: ANOVA, Fundamentals of Mathematical Statistics, Convex Optimization, Epidemiology, Clinical Biostatistics, Bayesian Methods, Survival Analysis
- Thesis: Linear Regression with Known Error Distribution, under the supervision of Prof. Dr. Fadoua Balabdaoui at the Seminar für Statistik, ETHZ (Grade: 6.0/6.0)

Erasmus Exchange Year, Universität Wien

2022–2023

- Relevant courses: Mathematical Statistics, Linear Optimization, Econometrics, Algebra

BSc in Applied Mathematics (with Honors, GPA 4.0/4.0), Paris I Panthéon-Sorbonne University

2020–2023

- Relevant courses: Linear Algebra, Analysis I/II, Probability and Statistics

BA in Social Sciences (Cum Laude, GPA 4.0/4.0), Sciences Po Paris

2020–2023

- Double Major: Sociology and Economics
- Relevant courses: Gender Studies, Macroeconomics, Political Science, History
- Thesis: Issue of Gender's coeducation in the French educational system, under the supervision of Dr. Sophie Pousset

French Baccalaureate (Highest Honors, Grade: 19.37/20), Lycée Louis-le-Grand, Paris

2020

- Major: Mathematics, Physics and Life Sciences

Employment History and Internships

Intern in Biostatistics, Saint Louis Hospital AP-HP, Paris

July 2024

- Under the supervision of Prof. Dr. med. Sylvie Chevret within the Biostatistics and Medical Information Department (INSERM, Université Paris-Cité)
- Data handling and analysis of clinical study GRAAL-2014
- Production of a report involving survival analysis, causal inference and graphical outputs.

Summer Banking Assistant, Banque Palatine, Paris

July 2018 & 2020

- Supported eBanking and Large Companies Departments
- Performed administrative and customer service tasks

Accepted papers

- F. Balabdaoui and J. Leclerc. (2026) Linear regression with known noise distribution up to a scale: The reward of not using the OLSE. *Accepted in Statistical Methods and Applications*.

Oral contributions to conferences

Math in May, ETH Zürich

May 2026

- Short talk, *Conformal Inference for Gene-Specific Cell Subsets in Single-Cell Differential Expression*.

Young Scientists Satellite (Life Sciences Switzerland), Zürich

February 2026

- Short talk, *Conformal Inference for Gene-Specific Cell Subsets in Single-Cell Differential Expression*.

OILS25 Pitch Fest (Open Innovation in Life Sciences), Zürich

October 2025

- Presentation of *RAI Platform – Reliable AI for Biomedicine*.
- Winner of the Audience Award for the Best Pitch.

European Bioconductor Conference, Barcelona

September 2025

- Short talk, *conformeR: Conformalized differential expression analysis of multi-condition single-cell data*.

Schlieren Day of Research, Schlieren

July 2025

- Presentation of *RAI Platform – Reliable AI for Biomedicine*.

PhD Summer Conference: Legal, Ethical and Implementation Challenges of AI in Healthcare, Zürich

June 2025

- Presentation of *RAI Platform – Reliable AI for Biomedicine*.

Teaching

STA 120 – Introduction to Statistics

Spring Semester 2026

- Teaching Assistant for Dr. Zofia Branczuk, University of Zürich
- Course for Bachelor students enrolled in the Minor Program in Applied Probability and Statistics.

BIO 144 – Data Analysis in Biology

Spring Semester 2026

- Teaching Assistant for Prof. Dr. Owen Petchey, University of Zürich
- R and Statistics course for Bachelor students enrolled in a Natural Sciences program.

Grants

SCNAT/LS2 Registration Fellowship for ECCB 2026, Geneva

August 2026

- Travel grant.

European Bioconductor Conference, Barcelona

September 2025

- Travel grant.

Modern benchmarking: advancing computational methods in molecular biology, Ascona

March 2025

- Travel grant.

Languages

- French: Native
- English: C1 (TOEFL iBT 104/120, Oct. 2021)
- German: C1 (Goethe Zertifikat C1, October 2025)
- Italian: C2 (Certificate issued by University of Zürich - Romanistisches Seminar, Feb. 2025)

Voluntary Work

BAFA Certification

2020

- Certified children's facilitator, specialized as health assistant
- Practical part carried out at Patronage du Bon Conseil (Paris) during ski camps and leisure center

French Scouts Leader, Sea Scouts

2010–2022

- Scout since age 8; leader for ages 8–11 from 2020

Treasurer, Association La Strada, Sciences Po Paris

2021–2022

- Promoted Italian culture through events; managed finances

Children's Facilitator, "Lire à Brassens", Paris

August 2021

- Led manual and educational activities during open-air events