

Lucas D'ALIMONTE

Curriculum Vitae

PERSONAL DETAILS

Address Room 16-26.102, LPSM, campus Pierre et Marie Curie.
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EDUCATION

Postdoc 2024–
LPSM, Sorbonne Université, Paris, France
Hosted by Prof. Piet Lammers, funded by CNRS.

PhD in Mathematics 2020–2024
Université de Fribourg, Fribourg, Switzerland
Under the supervision of Prof. Ioan Manolescu.
Defended on October 7th, 2024
Title of the dissertation: *Contributions to the phase separation problem and Ornstein–Zernike theory.*

Masters in Probability 2019–2020
Université d'Orsay, Paris, France

Research internship 2019
University of California, Berkeley, USA
5 months research internship under the supervision of Prof. Alan Hammond.
Title of the thesis: *Oriented random walks constrained by area trapping and their link with the KPZ universality class.*

Student of ENS Paris 2017–2020
Ecole Normale Supérieure, Paris, France

Preparatory classes 2015–2017
Lycée Louis le Grand, Paris, France
MPSI/MP. Admission after national examination in ENS Paris.

PREPRINTS AND ARTICLES

- [2] *Exact cube-root fluctuations in an area-constrained random walk model.* (Joint with Romain Panis). Submitted, arXiv:2311.12780
- [1] *Entropic repulsion and scaling limit for a finite number of non-intersecting subcritical FK interfaces.* **Electronic Journal of Probability**, Vol. 29, paper no. 68, 1–53.

RESEARCH TALKS

<i>June 2025</i>	Seed seminar, Institut Henri Poincaré, Paris
<i>January 2025</i>	Winter school on disordered media, Rényi Institute, Budapest
<i>January 2025</i>	Séminaire “Les probas du Vendredi”, Sorbonne Université, Paris
<i>July 2024</i>	Probability seminar, Institut Fourier, Grenoble
<i>April 2024</i>	Mathematical Physics seminar, University of Geneva
<i>December 2023</i>	Probability and Analysis seminar, IHES, Paris
<i>August 2023</i>	Percolation and interactions workshop, CIRM
<i>March 2023</i>	Bern-Fribourg graduate seminar
<i>February 2023</i>	Workshop on Mathematical physics, Les Diablerets
<i>July 2022</i>	Saint-Flour probability summer school
<i>May 2022</i>	Mathematical Physics seminar, University of Geneva
<i>March 2022</i>	Bern-Fribourg graduate seminar

SCIENTIFIC ACTIVITIES

Reviewer for: Electronic Communications in Probability.

TEACHING ACTIVITIES

Teaching assistant at the university of Fribourg 2020–
Full teaching load, corresponding to 96 hours/year. In charge of the exercises sessions for the following courses:

- Linear Algebra I and II (first year course)
- Algebra and Geometry I and II (second year course)
- Introduction to probability theory (second year course)

Volunteer teaching in a non-profit organization 2017–2018
Association Talens, Paris
Mathematics and Physics courses to High School students with an underprivileged background.

“Colleur” (oral examiner) 2016–2018
Lycée Louis le Grand preparatory classes
MPSI class

ORGANIZATIONAL RESPONSIBILITIES

2023 Co-organizer of the CUSO graduate colloquium (seminar gathering PhD students of Western Switzerland)

2022– Founder and organizer of the Young Swiss Probabilist Meeting (semiannual gathering between PhD and Post-Doctoral students in probability-related fields, with talks and informal discussions)

VISITS AND INVITATIONS

November 2023 Short-term (1 week) visit in LPSM, Paris. Invited by Prof. Piet Lammers