

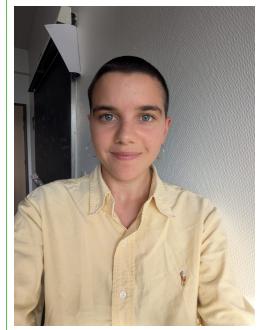
Kenza Memlouk

Curriculum Vitae

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University of Strasbourg

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Education

2025-2028 **PhD in Mathematics**, *University of Strasbourg*, Strasbourg, France.
Title: Motivic approaches to transcendence of p -adic numbers
Advisors: Giuseppe Ancona and Dragoș Frățilă

2024-2025 **Research internships**, *Mathematisches Institut of Freiburg im Breisgau and University of Strasbourg*, Germany and France.
Title: Multiple zeta values and quiver representations
Advisors: Giuseppe Ancona, Dragoș Frățilă and Annette Huber

2024 **Master's thesis**, *École Normale Supérieure de Lyon*, Lyon, France.
Title: The motive of the moduli stack of vector bundles over a curve
Advisor: Sophie Morel

2023-2024 **Master of Mathematics**, *Paris-Cité*, Paris, France.
Master of Paris Centre on fundamental mathematics

2021-2024 **Undergraduate and master studies**, *École Normale Supérieure de Lyon*, Lyon, France.

2018-2021 **Preparatory class**, *Lycée Saint Louis*, Paris, France.

Papers and preprints

2025 *The motivic Galois group for a double zeta value*, preprint.

Talks in Conferences

October 2025 Ethen, CIRM, Marseille.

Talks in Seminars

November 2025 Rhine transcendence seminar, Basel.

October 2025 Junior Number Theory seminar, London.

September 2025 A day about motives, IRMA, Strasbourg.

Learning seminars and workshops

November 2025 "Locally symmetric spaces", Strasbourg.

July 2025 "Néron-Tate heights on abelian varieties", Jeunes en Arithmétique et Variétés Algébriques.

March 2025 "Hodge theory", Strasbourg.

February 2025 "Basics in étale cohomology", Freiburg im Breisgau.

November 2023 "Perfect prisms", Paris.

November 2023 "Classical invariants of K3 surfaces", Paris.

Teaching

2025-2026 Teaching at the University of Strasbourg.

2022-2024 Oral examination for students in preparatory class.

Dissemination of mathematics

2026 Co-organisor of the RJMI (a weekend of mathematics for female highschool students).

October 2025 Speaker at Les Cigognes (a week of mathematics for female highschool students).

April 2025 Helping hand and teacher at the RJMI.

February 2023 Supervising highschool students for problem solving sessions.

2022-2023 Jury of the TFJM² in Lyon (a math turnament for highschool students).

March 2022 Speaker at an event to promote mathematics among female highschool students for the International Women's rights day in Lyon.

Various Talks (to a broad audience of mathematicians)

July 2025 "New insights about motivic multiple zeta values using quivers", MATHeor days.

March 2025 "Kontsevich-Zagier conjecture", IRMA.

November 2024 "Introduction to stacks", Freiburg im Breisgau.

July 2024 "Periods of elliptic curves", Chambon sur Lignon.

October 2022 "Introduction to modular forms", Goutelas.

June 2021 "Vector bundles over the twisted projective curve", Caen.

Languages

French (native), English, German

Computer skills

Programming Python, Caml.

Languages