



## Preprints

- 2026 **Pro-étale motives and solid rigidity**, joint with Raphaël Ruimy and Sebastian Wolf
- 2025 **Nilpotence of étale in étale motivic spectra**, joint with Klaus Mattis
- 2024 **Nori motives (and mixed Hodge modules) with integral coefficients**, joint with Raphaël Ruimy

## Publications

- 2026 **Artin motives in relative Nori and Voevodsky motives**, *Journal of Algebra*, Volume 690, 2026, Pages 400-424, ISSN 0021-8693, <https://doi.org/10.1016/j.jalgebra.2025.11.002>
- 2025 **Mixed Hodge modules on stacks**, *Forum of Mathematics, Sigma* 13 (2025): e175. <https://doi.org/10.1017/fms.2025.10122>
- 2025 **Étale motives of geometric origin**, joint with Raphaël Ruimy, *Bull. London Math. Soc.*, 57: 2116-2131. <https://doi.org/10.1112/blms.70085>
- 2025 **On the Nori and Hodge realisations of Voevodsky motives**, *Compositio Mathematica* 161, no. 9 (2025): 2155–2201. <https://doi.org/10.1112/S0010437X25102431>

## PhD Thesis

2022-2025 **PhD with Sophie Morel**, at the UMPA, ÉNS de Lyon, Relative Nori motives and realisation functors

## Scientific talks

- November 2025 **Séminaire de théorie des nombres de l'IMJ**, Paris, Motifs proétale et rigidité.
- October 2025 **GAUS Workshop: Motives and Higher Categories**, Mainz, Nilpotence of eta in étale motivic spectra.
- May and September 2025 **Short Course at Strasbourg University**, I gave four lectures on the Hodge realisation and applications at the IRMA, Strasbourg, invited by Lie Fu and Mauro Porta.
- January 2025 **AG Seminar**, Regensburg, Higher enhancements of mixed Hodge modules.
- December 2024 **Seminar, Algebra and Geometry**, Stockholm, Higher enhancements of mixed Hodge modules.
- November 2024 **Motivic homotopy theory and interactions conference**, Luminy, Integral Nori motives.

October 2023 **Journées de rentrée de l'ANR HQDIAG**, Grenoble, Hodge and Nori realisations of Voevodsky étale motives.

September 2024 **Arithmetic Geometry Seminar**, Milan, Higher enhancements of mixed Hodge modules.

November 2023 **Oberseminar: Algebraische Geometrie**, Zürich, Higher enhancements of Nori motives and realisation functors.

## Teaching

2024-2025 **TA at the ÉNS de Lyon**, Teaching assistant for the exercise sessions of the classes M1 Algèbre Avancée (given by François Brunault) and M1 Géométrie Algébrique (given by Philippe Eyssidieux).

12-16 July 2021 **TA at the PCMI summer school**, Teaching assistant for Frédéric Déglise course Orientation in motivic homotopy theory

Spring 2024 **Supervising the internship of a bachelor student**, Mentored the student Bilal Bounajma for his EPFL bachelor project.

2023-2024 **TA at the ÉNS de Lyon**, Teaching assistant for the exercise sessions of the class M1 Géométrie Algébrique (given by Philippe Eyssidieux)

2022-2023 **TA at the ÉNS de Lyon**, Teaching assistant for the exercise sessions of the classes L3 Algèbre 2 (given by François Brunault) and M1 Géométrie Algébrique (given by Philippe Eyssidieux).

## Research Schools

12-16 July 2021 **Graduate Summer School at the PCMI**, IAS, Motivic Homotopy  
<https://www.ias.edu/pcmi/2021-graduate-summer-school-course-descriptions>

10-21 July 2023 **Summer School at the IHÉS**, Recent Advances in Algebraic K-theory  
<https://indico.math.cnrs.fr/event/8837/>

27-31 March 2023 **Research School at the CIRM**, Condensed mathematics  
<https://conferences.cirm-math.fr/2871.html>

## Before the PhD.

March 2022–May 2022 **Internship at the IHÉS**, with Joseph Ayoub, Reading Simon Pépin Lehalleur's PhD thesis *Triangulated categories of relative 1-motives*

February 2022 **Intership in Milan**, Italy, with Joeph Ayoub, Reading Simon Pépin Lehalleur's PhD thesis *Triangulated categories of relative 1-motives*

11/09/2021–21/12/2021 **Internship in Leiden**, Netherland, with Remy von Dobben de Bruyn, Reading on the proofs of the Weil conjecture (Weil II by Deligne, Kiehl-Weissauer's book), and on perverse sheaves (with the Beilinson-Berstein-Deligne)

Spring-Summer 2021 **M2 intership**, with Sophie Morel, Nori 1-motives, Readind the paper *Nori 1-motives* by Joseph Ayoub and Luca Barbieri Viale and the book *Periods and Nori motives* of A. Huber and S. Müller-Stach, and other paper on the subject

2019–2020 **M2**, ENS de Lyon, Advanced mathematics master, Arithmetic Geometry cursus

2018–2019 **M1**, ENS de Lyon, Specializing in algebraic geometry and number theory

2017–2018 **L3**, ENS de Lyon, Mathematic bachelor

2017 **Admission to the ENS de Lyon**

2015–2017 **CPGE, Lycée Chaptal, Paris, Math sup/math spé**

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## Languages

**French**, native

**English**, fluent

**Spanish**, B2