



Preprints

- 2026 **Pro-étale motives and solid rigidity**, *joint with Raphaël Ruimy and Sebastian Wolf*
- 2025 **Nilpotence of éta 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 éta 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-thory*
<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, Reading 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*

Languages

French, *native*

English, *fluent*

Spanish, *B2*