

Alberto MERICI

📍 Mathematikon INF 205, 69120 Heidelberg, DE
👤 Born in Brescia, Italy

📁 WORK

- 2024-2030 Juniorprofessur
- University of Heidelberg
 - Member of the CRC 326 - GAUS.
- 2023-2024 MSCA Postdoctoral fellowship
- University of Milan (UMIL)
 - Project : *MIPAC - Motivic Integral p -Adic Cohomologies*
 - Grant value : €172750.08
- 2021-2023 Postdoc
- University of Oslo (UiO)
 - Supervisor : Paul Arne Østvær
 - Project : *Equations in Motivic Homotopy Theory*

🎓 EDUCATION

- 2017-2021 PhD
- Universität Zürich (UZH)
 - Supervisor : Joseph Ayoub
 - Thesis : *Logarithmic Motives and Reciprocity Sheaves*
- 2015-2017 Algant Master
- University of Milan (IT)
 - University of Bordeaux I (FR)
 - Mémoire : *Dualities in étale cohomology*
 - Supervisor : Baptiste Morin
- 2012-2015 Laurea Triennale (Bachelor's Degree) in Mathematics
- University of Milan (IT)

📄 RESEARCH ARTICLES

Published

- *Logarithmic TC via the Infinite Root Stack and the Beilinson Fiber Square* (with F. Binda, T. Lundemo and D. Park), accepted for publication in *Trans. AMS*.
- *Some computations in the heart of the homotopy t -structure on logarithmic motives*, *J. Pure Appl. Algebra* **230** (4) (2026), 108223. Open access
- *Motivic p -adic tame cohomology*, *Bull. Lond. Math. Soc.* **57** (10) (2025), 3194–3210. Open access *A Motivic Integral p -adic Cohomology*, *Ann. K-Theory* **10** (3) (2025), 473–508. Closed access
- *Derived Log Albanese Sheaves* (with Federico Binda and Shuji Saito), *Adv. Math.* **417** 2023, 108936. Open access.
- *Cancellation theorems for reciprocity sheaves* (with Shuji Saito), *Alg. Geom.* **10** (2) 2023, 148–198. Open access.
- *Connectivity and purity for logarithmic motives* (with Federico Binda), *J. Inst. Math. Jussieu* **22** (1) 2023, 335–381. Open access.

Preprints

- *Logarithmic prismatic cohomology, motivic sheaves, and comparison theorems* (with Federico Binda, Tommy Lundemo and Doosung Park), 2023
- *On the p -adic deformation problem for the K -theory of semistable schemes* (with F. Binda, T. Lundemo and D. Park), 2026

 LANGUAGES

Italian	●	●	●	●	●
Native English	●	●	●	●	○
French	●	●	●	●	○
German	●	●	○	○	○
Norwegian	●	○	○	○	○

 TEACHING EXPERIENCE

Fall 2017 UZH	Exercises : Algebra, , Lectures by Joseph Ayoub
Spring 2018 UZH	Seminar : Representation theory, , with Alberto Navarro Garmendia
Fall 2018 UZH	Exercises : Linear Algebra, , Lectures by Andrew Kresch
Spring 2019 UZH	Exercises : Plane Algebraic Curves, , Lectures by Lorenzo Mantovani and Doosung Park
Fall 2019 UZH	Exercises : Binary quadratic forms and quadratic number fields, , Lectures by Gisbert Wüstholz
Spring 2020 UZH	Seminar : GAGA, , Student seminar <input type="button" value="online"/>
Fall 2020 UZH	Exercises : Linear Algebra I, , Lectures by Joseph Ayoub <input type="button" value="online"/>
Spring 2021 UZH	Exercises : Linear Algebra II, , Lectures by Joseph Ayoub <input type="button" value="online"/>
Fall 2022 UiO	Seminar : Prismatic Cohomology, , Seminar for PhD students
Spring 2022 UiO	Seminar : Prismatic F-Gauges, , Seminar for PhD students
Winter 24/25 UHD	Topological K-theory, , Master course
Summer 2025 UHD	Galois Cohomology II, , Master course
Winter 25/26 UHD	Étale Cohomology I, , Master course
Summer 2026 UHD	Étale Cohomology II, , Master course

August 2022	Motivic Geometry Conference, , Oslo
September 2024 Kobuchizawa	Yatsugatake Workshop, 2024 : Chromatic Homotopy Theory, ,
September 2025 Kobuchizawa	Yatsugatake Workshop, 2025 : Wild Ramification and Etale Homotopy, ,
May 2025 Heidelberg	Connecting Young Women in Geometry and Arithmetic, ,

 INVITED TALKS

March 2021 Oslo NO	CAS motivic geometry seminar, , Title of the talk : <i>Connectivity and Purity of logarithmic motives</i>
online September 2021 Oslo NO	UiO motivic seminar, , Title of the talk : <i>Derived log Albanese sheaves</i>
September 2021 Milan IT	Summer school and Conference on the Six-Functor Formalism and Motivic Homotopy Theory, , Title of the talk : <i>Derived log Albanese sheaves</i>
April 2022 Toulouse FR	Séminaire d'Homotopie en Géométrie Algébrique, , Title of the talk : <i>Derived log Albanese sheaves</i>
December 2022 Heidelberg DE	Seminar des SFB/TRR 326 GAUS, , Title of the talk : <i>A Motivic Integral p-adic cohomology</i>
March 2023 Milan IT	Seminario di Geometria Aritmetica, , Title of the talk : <i>A Motivic Integral p-adic cohomology</i>
March 2023 Paris FR	Séminaire de théorie des nombres de l'IMJ-PRG, , Title of the talk : <i>A Motivic Integral p-adic cohomology</i>
October 2023 Heidelberg DE	Symposium Arithmetische Geometrie, , Title of the talk : <i>Motivic Integral p-adic cohomologies</i>
December 2023 Oslo NO	UiO motivic seminar, , Title of the talk : <i>Logarithmic prismatic cohomology, motivic sheaves, and comparison theorems</i>
February 2024 Pisa IT	Incontro di Geometria Aritmetica, , Title of the talk : <i>Logarithmic prismatic cohomology, motivic sheaves, and comparison theorems</i>
April 2024 Zürich CH	Oberseminar : Algebraische Geometrie, , Title of the talk : <i>Logarithmic prismatic cohomology, motivic sheaves, and comparison theorems</i>
September 2024 Heidelberg DE	Workshop : Anabelian and Motivic Homotopy, , Title of the talk : <i>Tame and logarithmic motivic homotopy</i>