Alessandro Lehmann

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Education

2021–2025 **PhD student in mathematics**, University of Antwerp and SISSA.

- **Supervisor:** Wendy Lowen **Cosupervisor:** Nicolò Sibilla
  Research interests: Deformation theory, Noncommutative Algebraic Geometry.

2019–2021 **Master's degree in Mathematics**, *magna cum laude*, Università La Sapienza, Rome, Italy.

- **Thesis:** "*Enhancements of triangulated categories.*
  Supervisor: **Prof. Marco Manetti**

2016–2019 **Bachelor's degree in Mathematics**, *magna cum laude*, Università La Sapienza, Rome, Italy.

- **Thesis:** "*La dimostrazione di Weil del Teorema di Newlander-Nirenberg* ("*Weil's proof of Newlander-Nirenberg Theorem*").
  Supervisor: **Prof. Marco Manetti**

Teaching Experience

- TA for the course *Calcolo I* (Calculus I), AY 2020/2021, Sapienza University.
- TA for the course *Algebraic Topology*, AY 2022/2023, University of Antwerp.

Invited talks

- *Hochschild cohomology, algebraic deformation theory and the curvature problem (part I and II)*, Junior Geometry and Mathematical Physics Seminar, SISSA, 20 and 27 January 2022
- *The curvature problem, two ways* Antwerp Algebra Colloquium, University of Antwerp, 24 February 2023
- *Curved differential graded algebras and their derived categories*, Mathematics in Conversation, University of Padua, 31 October 2023

Seminars in fulfillment of exams

- *An introduction to abelian categories*, 16 June 2022, In fulfillment of exam "Algebraic Geometry"
- *An introduction to the cobordism hypothesis*, 29 September 2022, in fulfillment of exam "Introduction to Topological Quantum Field Theories"
- *Condensed sets and their cohomology*, 15 February 2023, In fulfillment of exam "An introduction to Rigid Analytic Geometry"

- *Period map for non-compact holomorphically symplectic manifolds (after Kaledin and Verbitsky)* , 28 June 2023, In fulfillment of exam “Log Calabi-Yau Geometry”

Languages

- **Italian:** Native
- **English:** Fluent
- **Spanish:** Basic
- **Dutch:** Basic