

Pablo Chenal

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Personal Information

Citizenship French

Birth May 6, 2001 (Ivry-sur-Seine, France)

Education

2025– **PhD**, *Université Paris-Saclay & École Normale Supérieure*, Orsay & Paris, Advisors: Jean-Benoît Bost and François Charles

Arakelov geometry and formal analytic arithmetic surfaces

2024–2025 **Master 2 Analysis, Arithmetic, and Geometry**, *Université Paris-Saclay*, Orsay
Highest honors (*Très Bien*). Sophie Germain Scholarship (Fondation Mathématique Jacques Hadamard)

2023–2024 **Master 1 Jacques Hadamard track**, *Université Paris-Saclay*, Orsay
Mentored by Vincent Pilloni. Highest honors (*Très Bien*). Sophie Germain Scholarship (FMJH)

2022–2023 **Licence 3 Magistère**, *Université Paris-Saclay*, Orsay
Highest honors (*Très Bien*)

2021–2022 **Classes Préparatoires (MP*)**, *Lycée Louis-le-Grand*, Paris

2019–2021 **Classes Préparatoires (MPSI/MP)**, *Lycée Paul Valéry*, Paris

2019 **Baccalauréat (Scientific track)**, *Lycée Romain Rolland*, Ivry-sur-Seine

Research Internships

2025 **Master 2**, *Université Paris-Saclay*, Orsay, Supervisor: Jean-Benoît Bost
Geometry of algebraic and arithmetic surfaces

2024 **Master 1**, *Universidad de Santiago de Chile*, Santiago, Supervisor: Daniel Barrera
Explicit class field theory for real quadratic fields

2023 **Undergraduate Thesis**, *Université Paris-Saclay*, Orsay, Supervisor: David Harari
The Noether problem

Fundings and Scholarships

2025–2028 Doctoral funding (EDMH)

2023–2025 Sophie Germain Scholarship, Fondation Mathématique Jacques Hadamard (FMJH)

2024 International research internship grant (IDEX)

Teaching Experience

Fall 2025 Teaching Assistant (TD), L1 Algebra and Geometry (24 hours)

Fall 2025 Teaching Assistant (TD), L1 Analysis (24 hours)

Winter 2026 Teaching Assistant (TD), L2 Analysis and Geometry (24 hours)

Talks

- April 2026 *Finiteness of models and conclusion*, BCHM reading group, Orsay
- March 2026 *The contour for the irrationality of $L(2, \chi_{-3})$* , Arbeitsgemeinschaft: Arithmetic Holonomy Bounds and Applications to Irrationality, MFO Oberwolfach
- January 2026 *Nakayama–Zariski decomposition*, BCHM reading group, Orsay
- July 2024 *Birationality of varieties invariant under a subgroup of $GL_n(K)$* , Graduate Student Seminar, Santiago
- June 2024 *Modular symbols and parabolic cohomology*, Explicit Class Field Theory Seminar, Santiago

Conferences

- March 29–April 3, 2026 *Arbeitsgemeinschaft: Arithmetic Holonomy Bounds and Applications to Irrationality*, MFO Oberwolfach
- September 8–12, 2025 *Arithmetic and Diophantine Geometry via Ergodic Theory and o-minimality*, conference for the 60th birthday of Emmanuel Ullmo, IHÉS
- May 26–31, 2025 *Spring School: Singularities in Algebraic Geometry*, Rennes
- May 19–23, 2025 *Conference: Arakelov Geometry and Condensed Mathematics*, Strasbourg
- April 9–11, 2025 *Working Group: Stein Geometries*, Jussieu (ANR Cyclades)
- March 27–28, 2025 *Working Group: Arakelov Geometry and Condensed Mathematics*, Orsay
- July 22–26, 2024 *CLA 2024 — XXIV Coloquio Latinoamericano de Álgebra*, Santiago
- August 18–28, 2023 *Summer School: Festum π* , Samos (Université Paris-Saclay and University of the Aegean)

Other Activities

- 2024–2026 Tutor for international students (Vietnam, Gabon, India), FMJH scholarship holders
- 2023–2024 Oral examiner, Lycée Paul Valéry, Paris
- June 2023 Moderator for a summer school organized by the Fondation Mathématique Jacques Hadamard for high-school students