

Education

- Sep 2022 - present **Direct Doctorate in Mathematics, ETH Zürich**
Supervised by Prof. Joaquim Serra.
- Sep 2022 - Aug 2023 **Master in Mathematics, ETH Zürich**
Final grade 5.9/6.
- Sep 2018 - Jul 2022 **Bachelor's Degree in Mathematics, Universitat Politècnica de Catalunya**
Part of double degree programme sponsored by the Centre for Higher Interdisciplinary Studies (CFIS). Final grade 9.58/10.
- Sep 2017 - Jul 2022 **Bachelor's Degree in Engineering Physics, Universitat Politècnica de Catalunya**
Part of double degree programme sponsored by the Centre for Higher Interdisciplinary Studies (CFIS). Final grade 9.30/10.

Research papers

- 2) *Fractional Sobolev spaces on Riemannian manifolds*, with M. Caselli and J. Serra, arXiv preprint
- 1) *Yau's conjecture for nonlocal minimal surfaces*, with M. Caselli and J. Serra, arXiv preprint

Invited talks

- December 2023 *Closing Workshop*, Instituto de Ciencias Matemáticas (Madrid)
- October 2023 *Barcelona Analysis Seminar*, Universitat de Barcelona
- May 2022 *Analysis Seminar*, ETH Zürich

Awards and scholarships

- Dec 2022 **Prize for Best Academic Record (Ex-Aequo)**, sponsored by the CFIS centre, Esperanto Technologies and HP
- May 2022 **"la Caixa" Fellowship for Postgraduate Studies Abroad**, covers tuition and living costs for a postgraduate programme outside of Spain
- Sep 2021 - Mar 2022 **Research stay**, supervised by Prof. Joaquim Serra, ETH Zürich (funded by CFIS scholarship)
- Nov 2020 - Jun 2021 **Research Collaboration Grant**, supervised by Prof. Xavier Cabré, Department of Mathematics, Universitat Politècnica de Catalunya
- Summer 2019 **Severo Ochoa Introduction to Research Fellowship**, supervised by Lead scientist Leonardo Colombo, Instituto de Ciencias Matemáticas (Madrid)