

ERC Starting Grant 2025
Research proposal [Part B1]
A very creative title
PolyData

Cover Page:

- Name of the Principal Investigator (PI):
- Name of the PI's Host Institution for the project:
- Proposal duration in months:

Proposal Summary:

Section a: *Extended Synopsis of the scientific proposal*

[1]

References

- [1] A. Montero. “Regular polyhedra in the 3-torus”. In: *Advances in Geometry* 18.4 (2018), pp. 431–450. DOI: [10.1515/advgeom-2018-0017](https://doi.org/10.1515/advgeom-2018-0017).

Section b: Curriculum vitae and Track Record

PERSONAL DETAILS

- **Family name, First name:** Montero, Antonio.
- **Researcher unique identifier(s):**
 - ORCID: [0000-0002-3293-8517](https://orcid.org/0000-0002-3293-8517)
 - Google Scholar: [GEJHkg0AAAAJ](https://scholar.google.com/citations?user=GEJHkg0AAAAJ)
 - MathSciNet Author ID: [1293226](https://mathscinet.ams.org/mathscinet/author/1293226)
- **URL for web site:** anteromontonio.github.io

Education and key qualifications

- | | |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 19/08/2019 | Ph.D. (Mathematics) , <i>Centro de Ciencias Matematicas, National Autonomous University of Mexico (UNAM)</i> , Mexico.
Under the supervision of Dr. Daniel Pellicer, with the thesis “Chiral extensions of toroids”. |
| 2015 | M. Cs. (Mathematics) , <i>Centro de Ciencias Matematicas, National Autonomous University of Mexico (UNAM)</i> , Morelia, Mexico.
Thesis: “Realizaciones regulares de poliedros en el 3-toro (Regular realizations of polyhedra in the 3-torus)” |
| 2013 | B. Cs. (Mathematics and Physics) , <i>University of Michoacan</i> , Morelia, Mexico.
Thesis: “Poliedros regulares en el 3-toro (Regular polyhedra in the 3-torus)” |

Current position(s)

- | | |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2022 – 2025 | Znanstveni sodelavec (Research associate, postdoctoral) , <i>Faculty of Mathematics and Physics, University of Ljubljana</i> , Ljubljana, Slovenia. |
| 2024 – | Asistent IX-1 (Teaching assistant) , <i>Faculty of Education, University of Ljubljana</i> , Ljubljana, Slovenia. |

Previous position(s)

- | | |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020 – 2022 | Becario postdoctoral (Postdoctoral fellow) , <i>Institute of Mathematics, National Autonomous University of Mexico (UNAM)</i> , Mexico City, Mexico. |
| 2019 – 2020 | Postdoctoral fellow , <i>Department of Mathematics and Statistics, York University</i> , Toronto ON, Canada. |

RESEARCH ACHIEVEMENTS AND PEER RECOGNITION

Research achievements

Peer recognition

ADDITIONAL INFORMATION

Career breaks, diverse career paths and major life events

Other contributions to the research community