Azul Lihuen Fatalini

▬▬▬ Personal Details

Birth	28th of February, 1995 | Tucumán, Argentina
Languages	Spanish (native), English (advanced), Portuguese (advanced), German (intermediate)
Email	azul.fatal@uni-muenster.de

▬▬▬ Education

Degrees

2020–Present **PhD student**, Universität Münster, Advisor: Prof. Ralf Schindler.
Doctoral position (75 % position, salary level E13, TV-L funded by Cluster of Excellence Münster + 25 % position given by Ada Lovelace Fellowship).

2013–2018 **Licenciada en Matemática**, *(Bachelor+Master equivalent, 5 years program)*, Universidad Nacional de Córdoba, Argentina.
GPA: 9.88/10.
Thesis: Hyperbolic plane geometry. Advisors: Juan Pablo Rossetti (Universidad Nacional de Córdoba) and Peter Doyle (Dartmouth College).

2015–2018 **Profesora de Matemática**, *(Teacher of Mathematics, Bachelor's degre, 4 years program)*, Universidad Nacional de Córdoba, Argentina.
GPA: 9.57/10.

Complementary Education

2019 and 2017 **Summer Program**, *course "Combinatorics I"(2019) and 'Topics of Singularity Theory: Combinatorics, Topology and Algebra" (2017)*, Instituto de Matemática Pura e Aplicada (IMPA), Río de Janeiro, Brazil.
Grades: A

▬▬▬ Awards and Honors

2018 **Honorable Mention in the Competencia Interuniversitaria Matemática Argentina (CIMA)**, *CIMA is a Mathematical Olympiad for undergraduates.*
Team with M. Hunicken

2017 **Second best GPA**, *out of all fourth-year students in the fields of Math, Physics, Computer Science and Astronomy in Universidad Nacional de Córdoba.*

2017 **Excellence Award Luis Pasteur**.
Monetary award given by Obra Social Luis Pasteur to the 20 best GPAs that entered the national contest.

2016, 2015 **First place in the CIMA**.
Team with L. Ferroni

2013 **Honorable mention and "Most original solution" in the CIMA**.
Team with L. Ferroni

2012 **Honorable Mention in the 53rd International Mathematical Olympiad (IMO)**.

Conferences and Seminars

Conferences

2023 **Local organizer**, *Young Set Theory Workshop*, Münster, Germany.

2023 **Speaker**, *"Partitioning $\mathbb{R}^3$ in unit circles"*, Winter school: Section set theory and topology, Štěkeň, Czech Republic.

2022 **Speaker**, *"Partitions of $\mathbb{R}^3$ in unit circles and the Axiom of choice"*, Set Theory in the UK, Leeds, UK.

2022 **Attendee**, *CHEESE Workshop (Choiceless Elementary Embeddings of Sets)*, Leeds, UK.

2022 **Attendee**, *European Set Theory Conference 2022*, Turin, Italy.

2022 **Speaker**, *"Partitions of $\mathbb{R}^3$ in unit circles and the Axiom of choice"*, 5th Münster conference on inner model theory, Münster, Germany.

2022 **Speaker**, *"Partitions of $\mathbb{R}^3$ in unit circles and the Axiom of choice"*, Winter school: Section set theory and topology, Hejnice, Czech Republic.

2021 **Attendee**, *XVI International Luminy Workshop in Set Theory*, CIRM, Marseille.

2021 **Attendee (online)**, *RIMS Workshop "Recent Developments in Set Theory of the Reals"*.

2015–2020 **Attendee**, *of the six annual meetings of the Argentinian Mathematical Union that took place in those years.*

Seminars

2022 **Speaker**, *"Paradoxical sets and the Axiom of Choice"*, on the Ada Lovelace seminar, Universität Münster.

2022 **Organizer**, *of the Seminar of graduate students*, Universität Münster.

2021 **Speaker**, *"Forcing a Mazurkiewitz set"*, on the Oberseminar Mengenlehre, Universität Münster.

2020 **Organizer**, *of the Seminar of graduate students*, Universidad Nacional de Córdoba.

2020 **Speaker**, *"The Continuum Hypothesis"*, on the Seminar of graduate students, Universidad Nacional de Chile.

2016-2023 **Speaker**, *on the topics "Euclides vs Cantor"(2023), "Forcing paradoxical sets"(2021) "Combinatorics: Ramsey theory and random graphs"(2019), "Hyperbolic plane geometry: area of polygons"(2018), "The art of solving math problems" (2016)*, Seminar of graduate students, Universidad Nacional de Córdoba.

Teaching Experience

2017–2019 **Teacher in a Math olympiad workshop**.
Workshop at a school, destined to primary and high school students who want to train for mathematical olympiads.

2016–2018, **Teaching Assistant**, at Universidad Nacional de Córdoba.
2020 Hired by the Math Department.

Others

2017	**Collaborator**, *with the (partial) translation from English to Spanish of the book "A singular mathematical Promenade" by Étienne Ghys*, IMPA, Rio de Janeiro.
2013-2017	**Student grant**, *thanks to Retama Foundation*. Retama is a private foundation that awards scholarships to outstanding high school students who have to move to another city for university studies.

Institutional Activities

2023	**Member**, *of the Equal Opportunity Committee*, Universität Münster.
2021-2022	**Mentor**, *as part of the MINT mentorship program for female master students*, Universität Münster.
2017, 2018 and 2019	**Organizer**, *of institutional events of the Math Department*, Universidad Nacional de Córdoba. ○ Mathematics Research Groups Day (2017, 2018) ○ May 12th, Celebrating Women in Mathematics (2019)
2015-2018	**Representative of undergraduate Math students**, *in the Mathematics Council*, Universidad Nacional de Córdoba.

Argentinian Mathematical Olympiad (OMA)

2019	**Member of the jury in the national contest**.
2018, 2019	**Member of the jury in several regional contests**.
2015, 2018, 2019	**Member of the jury of the national contest "Mateclubes"**. Mateclubes is an Argentinian Mathematical Olympiad organized by teams.
2011–2019	**Collaborator**, *of the Argentinian Mathematical Olympiad Foundation*, in regional, national and international contests such as:. ○ Southern Cone Olympiad 2016 ○ Ibero-American Olympiad 2017 ○ Río de La Plata Olympiad 2018 and 2019