

Julia Münch

Curriculum Vitae

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Education

- 2022–present **PhD in Mathematics**, University of Liverpool, Supervised by Daniel Meyer
2020–2022 **Master of Mathematics**, University of Bern, Master thesis supervised by Stefan Wenger
2016–2020 **Bachelor of Mathematics**, University of Bern

Preprints

1. with Daniel Meyer: Extending rational expanding Thurston maps, preview <https://arxiv.org/abs/2510.18015>

Scientific Talks

- 11/2025 Analysis seminar, *University of Stockholm*
08/2025 DKO Workshop and Summer School on Transcendental Thurston Theory, *University of Manchester*
11/2024 Holomorphic Dynamics Scheme 3 Meeting, *The Open University*
11/2024 Geometry Seminar, *EPFL, Lausanne*
09/2024 One Day Function Theory Meeting, *UCL, London*
11/2023 DAGGER Seminar, *University of Warwick*
06/2023 Topics in Complex Dynamics, *University of Barcelona*
06/2023 AIMS-UoL joint Postgraduate Conference, *University of Liverpool*

Attended Conferences and Workshops

- 06/2025 JHH80: Dynamical Developments: Degenerations of Flat Surfaces and Rational Maps, *Université de Toulouse*
06/2025 Curves, Trees and Surfaces, *TU Berlin*
05/2025 Degeneration Techniques for Rational Maps, *University of Warwick*
07/2024 Classical Function Theory in Modern Mathematics, *ICMS Edinburgh*
05/2024 Parameter spaces in Complex Dynamics, *CRM Pisa*
08/2023 Quasiworld Workshop, *University of Helsinki*
07/2023 Fractal Geometry, *ICMS Edinburgh*
06/2023 Topics in Complex Dynamics, *University of Barcelona*
06/2023 AIMS-UoL joint Postgraduate Conference, *University of Liverpool*
04/2023 Fribourg MAPS, *University of Fribourg, Switzerland*
06/2022 Young Women in Geometric Analysis, *Bonn*

Organisation of Events and Seminars

- 09/2025 One Day Function Theory Meeting: Co-organised with Daniel Meyer, a traditional one-day conference, funded by the London Mathematical Society.
Autumn 2023–Spring 2024 LivIn Maths: Co-founded and co-organised a weekly seminar for PhD students in the University of Liverpool with talks by local PhD students.

Teaching

- 2023– present Teaching assistant, *University of Liverpool*, for Complex Dynamics and Differential Geometry of Curves and Surfaces
- 2019–2022 Teaching assistant, *University of Bern*, for real Analysis, Fourier Analysis and Measure Theory as well as Differential Geometry of Curves and Surfaces

Outreach Activity

- 05/2023 Maths Club Liverpool: Taught a one hour interactive lesson with exercises about four-dimensional polytopes with emphasis on the work of Alicia Boole Stott for advanced high school students.

Grants

- 01/2025 Joint with Daniel Meyer, won LMS Scheme 1 grant for the organization of the One Day Function Theory Meeting 2025

Committee memberships

1. Equality, Diversity and Inclusion committee, *University of Liverpool*

Languages

1. German: native
2. English: C1
3. French: fluent
4. Italian: intermediate

References

- Dr Daniel Meyer, danimey@liverpool.ac.uk
Prof. Lasse Rempe, lasserempe@manchester.ac.uk
Prof. Stefan Wenger, stefan.wenger@unifr.ch

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