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Employment:

August 2026 – Research Group Leader, Max Planck Institut für Mathematik Bonn
 2024–July 2026 Postdoctoral Research Fellow, IMJ-PRG, Sorbonne Université

Short-term visits:

July 2026 Oberwolfach Research Fellow (two weeks)
 March 2022 Short-term visitor, MPIM Bonn (two weeks)
 November 2022 Program Associate, MSRI, Berkeley, CA (one month)

Education:

2020 – 2023 University of Cambridge, Ph.D. in Mathematics
Advisor: Ailsa Keating
 2018 – 2020 ETH Zurich, M.Sc. Mathematics (*with distinction*)
Master thesis: An algebraic approach to Gromov-Witten axioms in genus zero,
Advisors: Alexandru Oancea, Will Merry
 2019 – 2020 Sorbonne Université, M2 Mathématiques Fondamentales (*exchange year*)
 2015 – 2019 ETH Zurich, B.Sc. Mathematics

Scientific/Academic Honours:

2026 Maryam Mirzakhani New Frontiers Prize, Breakthrough Foundation
 2023 Travel grant, Churchill College, Cambridge
 2022 Travel grant, London Mathematical Society
 2021 Willi Studer Prize, ETH Zurich
 2020 EPSRC Scholarship, University of Cambridge
 2020 Blyth Fellowship, University of Toronto (*declined*)

Preprints and publications:

1. *Open Gromov-Witten invariants in genus zero and Lagrangian cobordisms*
 (with Kai Hugtenburg), arXiv:2605.27122, submitted.
2. *Open-closed Deligne-Mumford field theories: construction*
 (with Kai Hugtenburg), arXiv:2605.03521, submitted.
3. *A contact homotopy type*
 (with Soham Chanda) arXiv:2511.01821, submitted.
4. *Open-closed Deligne-Mumford field theories: geometric foundations*
 (with Kai Hugtenburg), arXiv:2501.04687, submitted.
5. *On Donaldson's 4-6 question*
 (with Luya Wang), arXiv:2309.07041, accepted for publication in Geometry&Topology.
6. *Properties of Gromov-Witten invariants defined via global Kuranishi charts*
 Annales Henri Lebesgue, Vol. 8 (2025).

7. *Lagrangian intersections and cuplength in generalised cohomology*,
(with Noah Porcelli), Mathematical Research Letters, Vol. 32, No. 1 (2025).
8. *Infinitely many monotone Lagrangian tori in higher projective spaces*
(with Soham Chanda and Luya Wang), J. Fixed Point Theory Appl. 26, 46 (2024).
9. *Global Kuranishi charts and a product formula in symplectic Gromov–Witten theory*
(with Mohan Swaminathan), Selecta Math. (N.S) 30, 87 (2024).

Teaching activities:

Undergraduate supervisions at Cambridge (for several colleges)

- 2023 complex analysis (IB), differential geometry (III), complex manifolds (III)
- 2022 complex analysis (IB), Riemann surfaces (II), analysis and topology (IB)
- 2021 complex analysis (IB), analysis and topology (IB)

Teaching assistant at ETHZ

- 2018 Algebra II

Talks:

Seminars talks

- 2026 Geometry Seminar, Universität Heidelberg (June)
- M Seminar, Kansas State University (May)
- Topology Seminar, USC (April)
- Séminaire Géométrie et Topologie Dynamique, Université Paris Saclay (February)
- Columbia SGGTC Seminar, Columbia University (February)
- 2025 Bonn Symplectic Geometry Seminar, MPIM Bonn (December)
- Séminaire Géométrie et Applications, Université de Strasbourg (November)
- Geometry seminar, University of St. Andrews (September)
- Symplectic geometry seminar, Humboldt Universität Berlin (July)
- Symplectic geometry seminar, Humboldt Universität Berlin (June)
- Séminaire de la géométrie enumerative, Sorbonne Université (June)
- Symplectix, IHP Paris (March).
- Colloquium, University of Maryland (February).
- Geometry/Topology seminar, University of Maryland (February).
- 2024 Symplectic geometry seminar, IAS (December).
- Séminaire géométrie et applications, IRMA (November).
- Geometry and topology seminar, University of Cambridge (November).
- Symplectic Geometry Seminar, ETH Zurich (September).
- Nantes-Orsay seminar on symplectic and contact geometry, Université Paris-Saclay (May).
- Bonn Symplectic Geometry Seminar, MPIM Bonn (May).
- ULB Geometry Seminar, Université Libre des Bruxelles (April).
- Topology Seminar, University of Minnesota (February, virtual).
- Symplectic Geometry Seminar, MIT (February).

- Symplectic Geometry Seminar, Rutgers University (February).
 Topology Seminar, Texas State University (February).
 Symplectic Geometry Seminar, Stanford (February).
- 2023 Seminar on Real and Complex Geometry, Tel Aviv University (December, virtual).
 GT seminar, Uppsala University (December).
 Geometry Seminar, Imperial College (November).
 Junior Geometry Seminar, Imperial College (June).
 Junior Geometry Seminar, UCL/King's College (May).
 EDGE seminar, University of Edinburgh (May).
 Symplectic Zoominar (April, virtual).
 Séminaire de Géométrie Enumérative, IMJ-PRG (March).
 Western Hemisphere Virtual Symplectic Seminar (February, virtual).
- 2022 Oberseminar Differentialgeometrie, Universität Augsburg (December).
 Floer homotopy theory graduate seminar, MSRI (November).
 Symplectic Topology Seminar, Rutgers University (September, virtual).
 Real and Complex Geometry Seminar, Tel Aviv University (June, virtual).
 Junior Geometry Seminar, University of Cambridge (January).
- 2021 Virtual Kylerec Seminar (August, virtual).

Conference talks

- upcoming UK-Japan Winter School (January 2027)
 Kai Cieliebak's Birthday Conference, Universität Augsburg (August 2026)
- 2026 Floer theory beyond Floer, University of Cambridge (March 2026)
 Conference on Homological Mirror Symmetry, University of Miami (IMSA) (January 2026)
- 2025 Floer homology and homotopy theory, Institut Mittag-Leffler (June).
 Georgia International Topology Conference, University of Georgia (May).
 Recent developments in higher genus curve counting, Simons Center (February)
 CAST conference, Université de Grénoble (February).
- 2024 From Hamiltonian Dynamics to Symplectic Topology and Beyond, IHP Paris (June).
- 2023 Symplectic, real, and tropical aspects of enumerative geometry, IMJ-PRG (September).
 SFT 10 Workshop, Humboldt Universität Berlin (September).
 At the Crossroads of Topology and Enumerative Geometry, Hebrew University (June).

Mini-courses

- 2026 Workshop on global Kuranishi charts, University of Edinburgh (May 2026)
 2024 Summer school on Gromov–Witten invariants, Université de Nantes (June).

Contributed talks

- 2026 European Kylerec (April)

- 2025 Workshop on derived smooth manifolds, New York (May)
- 2024 Symplectothon, California (November, virtual).
4/10 Seminar, ETH Zurich (September, hybrid)
Spring School on Floer Homotopy Theory, France (April).
Rencontre ANR CoSy on Floer homotopy theory, IRMA (January).
- 2023 Workshop Rabinowitz–Floer homology and Tate cohomology, Oberwolfach (December).
Pseudoholomorphic curves in Hamiltonian dynamics, Universität Heidelberg (February).
- 2021 WINGS Winter Retreat (January, virtual).

Service:

- 2026 European Kylerec workshop, mentor
- 2025 European Kylerec workshop, co-organiser
- 2024 4/10 seminar, co-organiser
Symplectothon, mentor
Spring School on Floer homotopy theory, co-organiser
- 2023 –2024 Exchange Seminar, co-organiser
- 2021 –2023 Junior Geometry Seminar (Cambridge), co-organiser

Personal:

Citizenship: Switzerland, Germany

Languages: German (native), English (fluent), French (intermediate)