

Personal information

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Education and positions at university

2015–2016	Postdoctoral researcher at Université Paris 13
2013–2015	Postdoctoral researcher at the University of Münster (WWU Münster)
2009–2013	University of Oxford: DPhil — supervised by Prof. Ulrike Tillmann Thesis title: <i>Configuration spaces and homological stability</i> Submitted: December 2012; defended: February 2013 (Note that PhDs awarded by universities in the UK do not have classifications.)
2005–2009	University of Oxford: MMath (1 st class)

Publications and preprints

- *Homological stability for oriented configuration spaces*
[Transactions of the American Mathematical Society 365 \(2013\), 3675–3711](#)
- *A twisted homology fibration criterion and the twisted group-completion theorem*
(with Jeremy Miller)
[Quarterly Journal of Mathematics 66.1 \(2015\), 265–284](#)
- *Scanning for oriented configuration spaces*
(with Jeremy Miller)
[Homology, Homotopy and Applications 17.1 \(2015\), 35–66](#)
- *On homological stability for configuration spaces on closed background manifolds*
(with Federico Cantero)
[Documenta Mathematica 20 \(2015\), 753–805](#)
- *Twisted homological stability for configuration spaces*
To appear in *Homology, Homotopy and Applications* (also available at: [arXiv:1308.4397](https://arxiv.org/abs/1308.4397))

Selected talks

- On configuration spaces on closed background manifolds:
 - October 2015: Annual meeting of the GDR 2875, *Topologie algébrique et applications*, Toulouse
 - June 2015: Séminaire de topologie algébrique, Louvain-la-Neuve
 - April 2015: Topology seminar, Oxford
 - March 2015: Séminaire de l'équipe topologie algébrique, Paris 13
 - March 2015: Séminaire de topologie, géométrie et algèbre, Nantes
 - March 2015: Workshop on *Homotopy theory*, Oberwolfach
- On twisted group-completion and scanning for oriented configuration spaces:
 - January 2015: Leray seminar, Münster
- On homological stability for moduli spaces of disconnected submanifolds:
 - July 2013: Young topologists' meeting, Lausanne
 - March 2013: Topology workshop of the British mathematical colloquium, Sheffield
 - February 2013: Topology seminar, Aberdeen
- On twisted homological stability for configuration spaces:
 - May 2013: Oberseminar Topologie, Münster
- On homological stability for oriented configuration spaces:
 - July 2012: Young topologists' meeting, Copenhagen
 - January 2012: Topology seminar, Copenhagen
 - December 2011: Algebra and topology seminar, Swansea
 - September 2011: Workshop on *Homotopy theory*, Oberwolfach

Teaching activities

Münster (2013–2015):

- Übungsgruppenleiter (\approx class tutor; i.e., running exercise classes) for the course *Topologie 3* by Prof. Michael Weiss.
- Substitute lecturer for a course on *Selected topics in topology* by Prof. Michael Joachim.
- Übungsgruppenleiter for a course on *Knot theory* by Prof. Michael Weiss.

Oxford (2009–2012):

- Teaching assistant for 3rd/4th year courses *Lie groups* (by Prof. Ulrike Tillman), *Topology and groups* (by Prof. Marc Lackenby) and *Algebraic topology* (by Prof. Ulrike Tillmann).
- Class tutor, including running all revision classes before exams, for the *Algebraic topology* course.
- Tutor for several 1st and 2nd year algebra courses at St John's College and at Merton College.
- Assistant interviewer in 2011 for undergraduate admissions at Merton College.

Selected conferences

- 11.15 • Copenhagen: Workshop on *Automorphisms of free groups*
- 10.15 • Toulouse: Colloque du GDR 2875, *Topologie algébrique et applications*
- 09-10.15 • Oxford: Clay workshop on *Algebraic topology: manifolds unlocking higher structures*
- 07-08.15 • Bonn: Hausdorff trimester program *Homotopy theory, manifolds, and field theories*
- 06.15 • Münster: Workshop on *Functor calculus* (for which I was a co-organiser)
- 05.15 • Oberwolfach: seminar on *Topological combinatorics of configuration spaces*
- 03.15 • Oberwolfach: workshop on *Homotopy theory*
- 09.14 • Nantes: *Loop spaces in geometry and topology*
- 07.14 • London: Workshop on *Homological methods in algebra, geometry and physics*
- 06.14 • Dubrovnik: Conference on *Manifolds, K-theory and related topics*
- 01.14 • Berkeley: Introductory workshop of the MSRI *Algebraic topology* semester
- 08.13 • Copenhagen: Workshop and masterclass on homological stability
- 05.13 • Nantes: Conference on *Algebra and topology*
- 03.13 • Sheffield: British mathematical colloquium
- 12.12 • Oxford: *Aspects of topology*
- 09.12 • Cambridge: British topology meeting
- 07.12 • Stanford: Symposium on *Algebraic topology: applications and new directions*
- 07.12 • Stanford: West coast algebraic topology summer school on *Algebraic K-theory*
- 05-06.12 • Oberwolfach: seminar on *Surgery theory*
- 04.12 • Swansea: Workshop on *∞ -categories, ∞ -operads and homotopy type theory*
- 09.11 • Oberwolfach: workshop on *Homotopy theory*
- 09.11 • Edinburgh: British topology meeting
- 07.11 • Utah (PCMI): Summer school on *Moduli spaces of Riemann surfaces*
- 10.10 • Bonn: Autumn school on *Graphs, groups and surfaces*
- 09.10 • Oxford: British topology meeting
- 08.10 • Oregon: Summer school on *Operator algebras and conformal field theory*
- 08.10 • Oregon: West coast algebraic topology summer school on *Homotopy theory of moduli spaces*

Organisation of scientific meetings

- I was a co-organiser of the [Münster functor calculus workshop](#), which took place in June 2015.

Memberships of scientific societies

- I am an ordinary member of the London Mathematical Society (LMS).

Other professional activities

- Reviewing for Zentralblatt ([link to list of reviews](#)).
- Refereeing for the journals Q. J. Math., Trans. AMS, Proc. AMS and Homology Homotopy Appl.