

# Laura Bradby

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## Research interests

Geometric analysis. Currently working on maximum principles for Ricci flow, and uniqueness of Ricci flows from 3D compact Ricci limit spaces.

## Education

PhD student at the University of Warwick 2023-ongoing  
*Supervisors: Prof. Felix Schulze, Prof. Peter Topping*

MMath Mathematics at the University of Oxford 2019-2023  
*Ranked 2<sup>nd</sup> in year group*

## Research experience

Dissertation: On the regularity for elliptic equations and systems 2022-23  
*Supervisor: Prof. Luc Nguyen*

Extended essay: How 'big' is the moduli space of Riemann surfaces? 2021-22  
*Supervisor: Prof. Jason Lotay*

## Academic prizes and scholarships

Gibbs Dissertation Prize 2023  
*Oxford Mathematical Institute - joint best Part C dissertation in year group*

Junior Mathematical Prize 2023  
*Oxford Mathematical Institute - exam performance*  
*The only student to win multiple Mathematical Institute prizes in 2023*

Henniker Scholarship 2021-22, 2022-23  
*Trinity College, Oxford - academic achievement*

Stirling Boyd Prize 2022  
*Trinity College, Oxford - academic achievement, contributions to college life*

Henniker Exhibition 2020-21  
*Trinity College, Oxford - academic achievement*

## Teaching and outreach experience

Teaching assistant at the University of Warwick 2023-ongoing  
*Functional Analysis I/II, Theory of PDEs*

Volunteer with UK Maths Trust 2020-ongoing  
*Mentoring scheme, summer school pastoral lead, summer school staff member, creating resources for schools*

Assorted tutoring and school visits 2016-20  
*Including individual tutoring, lesson planning and delivery, and class support*  
*For a range of ages and abilities*

## Other relevant experience

Participant in LMS Summer school on Curvature flows and PDE (Cardiff) July 2024

Participant in European School of Differential Geometry (Granada) June 2024

Participant in LMS Undergraduate Summer School (Edinburgh) August 2022