

George Cooper – Curriculum Vitæ

Centro di Ricerca Ennio De Giorgi, Collegio Puteano,
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Employment	Centro di Ricerca Ennio De Giorgi, Scuola Normale Superiore di Pisa Junior Visiting Researcher (postdoc), 2024 – 2026.
Education	Balliol College, University of Oxford DPhil Mathematics, 2020 – 2024. <ul style="list-style-type: none">• Thesis title: <i>Universal Moduli of Sheaves over Curves and Moduli of Flags of Varieties via Geometric Invariant Theory.</i>• Thesis successfully defended in May 2024.• Supervisors: Professors Frances Kirwan, Jason Lotay and Alexander Ritter.
Publications	MMath Mathematics, 2016 – 2020. <ul style="list-style-type: none">• Second/Third Year Overall Classification: I• Fourth Year Classification: I• Fourth year dissertation: <i>Spin Structures on Riemann Surfaces.</i> <ul style="list-style-type: none">• Twisting Moduli for $GL(2)$, J. Num. Th. 217 (2020), 142-162. Joint with Bedert, B. and Oliver, T. and Zhang, P.
Preprints	<ul style="list-style-type: none">• <i>Moduli Spaces of Hyperplanar Admissible Flags</i>, arXiv preprint 2304.02453.• <i>GIT Constructions of Compactified Universal Jacobians over Stacks of Stable Maps</i>, arXiv preprint 2210.11457 (accepted for publication in Glasgow Math. J.).
Awards and Scholarships	EPSRC Scholarships <ul style="list-style-type: none">• EPSRC Doctoral Scholarship, 2020-2024.• EPSRC Vacation Bursary, 2019. Balliol College Exhibitions and Scholarships <ul style="list-style-type: none">• Elected as an Exhibitioner of Balliol College 2017-2018 and as a Scholar of Balliol College 2018-2020. Balliol College Andrew Mason Memorial Grant <ul style="list-style-type: none">• Partially awarded in 2019 in support of a Summer 2019 Research Internship.

Teaching

Wadham College, University of Oxford

- Part A Linear Algebra, Michaelmas Term 2022 *tutor*.
- Undergraduate Admissions, 2022 *assistant interviewer*.

New College, University of Oxford

- Part A Projective Geometry, Trinity Term 2021 & 2022 *tutor*.
- Prelims Geometry, Michaelmas Term 2020 & 2021 *tutor*.

St. Edmund Hall, University of Oxford

- Part B Algebraic Curves, Hilary Term 2022 *tutor*.

Mathematical Institute, University of Oxford

- Part B Algebraic Curves, Hilary Term 2023 *tutor*, Hilary Term 2021 *teaching assistant*.
- Part B Geometry of Surfaces, Michaelmas Term 2022 *tutor*.
- Part C Lie Groups, Hilary Term 2022 *teaching assistant*, Hilary Term 2021 *teaching assistant, two classes*.
- Part C Algebraic Geometry, Michaelmas Term 2021 *teaching assistant*.

PROMYS Europe, University of Oxford

- Counsellor, Long Vacation 2018.

TOPS (Tōkyō Oxford Programme of Summer)

- Mathematics Teacher, Long Vacation 2022.

Balliol College, University of Oxford

- Tutor, Frontier Access Programme, Long Vacation 2022.

Invited Talks

- Geometry Seminar, Roma Tre University (Rome, Italy), December 2025.
- Milan–Pisa Algebraic and Arithmetic Geometry Meeting, University of Milan, April 2025.
- Centro De Giorgi JVP Seminar, Scuola Normale Superiore (Pisa, Italy), February 2025.
- Mathematics in Conversation, University of Padua, December 2024.
- Algebraic and Arithmetic Geometry Seminar, University of Pisa, November 2024.
- Young Geometers Symposium, Isaac Newton Institute (Cambridge, UK), January 2024.
- Algebraic Geometry Seminar, University of Glasgow, November 2023.
- Algebraic Geometry Seminar, University of Liverpool, April 2023.
- Geometry and Analysis Seminar, University of Oxford, January 2023.
- CALF Seminar, University of Cambridge, November 2022.