

Marina Anagnostopoulou-Merkouri

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<https://marinaanagno.github.io>

EDUCATION

PhD in Mathematics

2023 - Present

University of Bristol

Supervisor: Prof. Tim Burness

Master in Pure Mathematics (First Class)

2019 - 2023

University of St Andrews

Final year project supervisor: Prof. Colva Roney-Dougal.

PUBLICATIONS AND PREPRINTS

[7] [On a generalisation of Cameron's base size conjecture](#)

65 pages, preprint.

[6] [Computing finite index congruences of finitely presented semigroups and monoids](#)

joint with Reinis Cirpons, James D. Mitchell, and Maria Tsalakou

AMS Mathematics of Computation, to appear, 51 pages.

[5] [Permutation groups, partition lattices and block structures](#)

joint with R.A. Bailey and Peter J. Cameron

Forum of Mathematics, Sigma 13, 2025, e180.

[4] [On the regularity number of a finite group and other base-related invariants](#)

joint with Timothy C. Burness

Journal of the London Mathematical Society 110 (2024), e70035, 65 pp.

[3] [Properties of congruence lattices of graph inverse semigroups](#)

joint with Zachary Mesyan and James D. Mitchell

International Journal of Algebra and Computation 34 (2024), 371–396.

[2] [Pre-primitive permutation groups](#)

joint with Peter J. Cameron and Enoch Suleiman

Journal of Algebra 636 (2023), 695–715.

[1] [Association schemes with given stratum dimensions: on a paper of Peter M. Neumann](#)

joint with Peter J. Cameron

Algebraic Combinatorics 6 (2023), 1189–1210.

TALKS

[17] Bristol Junior Algebra and Combinatorics Seminar (University of Bristol)

October 2025

[16] Conference in Theoretical and Computational Algebra (University of Évora, Portugal)

July 2025

[15] Manchester Algebra Seminar (University of Manchester)

March 2025

[14] Warwick Algebra Seminar (University of Warwick)

March 2025

[13] Bristol Combinatorics Seminar (University of Birstol)	<i>February 2025</i>
[12] Junior London Algebra Colloquium (Imperial College London)	<i>October 2024</i>
[11] Topics in Group Theory - Andrea Lucchini's birthday conference (University of Padua)	<i>September 2024</i>
[10] Heilbronn HDP event (University of Bristol)	<i>September 2024</i>
[9] Postgraduate Group Theory Conference (University of Birmingham)	<i>July 2024</i>
[8] Groups in Florence IV (University of Florence)	<i>July 2024</i>
[7] Bristol Junior Geometry Seminar (University of Bristol)	<i>February 2024</i>
[6] Bristol Postgraduate Seminar (University of Bristol)	<i>November 2023</i>
[5] Seminars on Groups and Graphs, SUSTech (Shenzhen, China; Online)	<i>October 2023</i>
[4] York Semigroups seminar (University of York)	<i>March 2023</i>
[3] Tomorrow's Mathematicians Today (University of Greenwich; Online)	<i>March 2023</i>
[2] St Andrews Maths Society Lunchtime Lectures (University of St Andrews)	<i>November 2022</i>
[1] Tomorrow's Mathematicians Today (University of Greenwich; Online)	<i>February 2022</i>

CONFERENCES AND WORKSHOPS

[12] Summer school on representations of finite groups and reductive groups (BU Wuppertal)	<i>September 2025</i>
[11] Heilbronn Annual Conference (University of Bristol)	<i>July 2025</i>
[10] Conference in Theoretical and Computational Algebra (University of Évora, Portugal)	<i>July 2025</i>
[9] Workshop on the Road Closure Conjecture (Serpa, Portugal)	<i>June 2025</i>
[8] Topics in Group Theory conference (University of Padua)	<i>September 2024</i>
[7] Heilbronn Annual Conference (University of Bristol)	<i>September 2024</i>
[6] Postgraduate Group Theory Conference (University of Birmingham)	<i>July 2024</i>
[5] Groups in Florence IV (University of Florence)	<i>July 2024</i>
[4] New Perspectives in Computational Group Theory (University of Warwick)	<i>June 2024</i>
[3] Heilbronn Annual Conference (University of Bristol)	<i>September 2023</i>
[2] Conference in Theoretical and Computational Algebra (Pocinho, Portugal)	<i>July 2023</i>
[1] CMI/Heilbronn Summer School in Probabilistic Group Theory (University of Bristol)	<i>June 2023</i>

SOFTWARE

Digraphs GAP package

-Efficiency improvement and implementation of algorithms for canonical labelling and graph dominators

Semigroups GAP package

-Construction and implementation of new algorithms for semigroup congruences

TEACHING

University of Bristol

- MATH33300 Group Theory tutor
- MATH30024 Perspectives in Mathematics demonstrator
- MATH10027 Introduction to Pure Mathematics tutor
- MATH10015 Linear algebra tutor

September 2023 - Present
September 2025 - Present
December 2023 - Present
September 2024 - December 2024
September 2023 - May 2024

Private tutoring

- Prepared notes and delivered tutorials for GCSE, A-level students, and IB students.

November 2022 - April 2023

MyTutor

- Prepared notes and delivered tutorials for GCSE and A-level students.

December 2020 - September 2022

Coronavirus Tutoring Initiative

- Prepared notes and delivered tutorials for GCSE and A-level students.

April 2020 - October 2020

FUNDING AWARDED

- St Andrews Research Internship Scheme
- University of St Andrews Careers Centre Employability Bursary
- LMS Undergraduate Research Bursary

March 2022, September 2022
July 2022
June 2022

LANGUAGES

Greek (Native), English (C2), French (C2), German (B2).

OTHER

Referee for the Journal of Group Theory

Conference in Theoretical and Computational Algebra

- Group theory thematic session organiser

July 2025

Postgraduate Group Theory Conference 2025 organiser

August 2024 - July 2025

Bristol Junior Algebra and Combinatorics Seminar organiser

- New seminar series aimed at PhD students and postdocs in algebra and combinatorics.

January 2024 - August 2025