

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 Bristol)	<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	<i>September 2023 - Present</i>
-MATH33300 Group Theory tutor	<i>September 2025 - Present</i>
-MATH30024 Perspectives in Mathematics demonstrator	<i>December 2023 - Present</i>
-MATH10027 Introduction to Pure Mathematics tutor	<i>September 2024 - December 2024</i>
-MATH10015 Linear algebra tutor	<i>September 2023 - May 2024</i>
Private tutoring	<i>November 2022 - April 2023</i>
-Prepared notes and delivered tutorials for GCSE, A-level students, and IB students.	
MyTutor	<i>December 2020 - September 2022</i>
-Prepared notes and delivered tutorials for GCSE and A-level students.	
Coronavirus Tutoring Initiative	<i>April 2020 - October 2020</i>
-Prepared notes and delivered tutorials for GCSE and A-level students.	

FUNDING AWARDED

- St Andrews Research Internship Scheme	<i>March 2022, September 2022</i>
- University of St Andrews Careers Centre Employability Bursary	<i>July 2022</i>
- LMS Undergraduate Research Bursary	<i>June 2022</i>

LANGUAGES

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

OTHER

Referee for the Journal of Group Theory	
Conference in Theoretical and Computational Algebra	<i>July 2025</i>
-Group theory thematic session organiser	
Postgraduate Group Theory Conference 2025 organiser	<i>August 2024 - July 2025</i>
Bristol Junior Algebra and Combinatorics Seminar organiser	<i>January 2024 - August 2025</i>
-New seminar series aimed at PhD students and postdocs in algebra and combinatorics.	