

School of Mathematics and Statistics
Research Day 1st December 2023
Talks in Theatre D; posters, food and drinks in 1A

09:30	Martyn Quick	A whistle-stop (and very incomplete) tour of just infinite groups and related concepts
09:45	Giorgos Minas	The statistical challenges of analysing an unconventional biological experiment
10:00	Fiona Macfarlane	Exploring spatial patterns in cell populations
10:15	Jonathan Fraser	Dimension interpolation: motivation and application
10:30	Dan Lucas	Exact coherent structures embedded in fluid turbulence
10:45	Michail Papathomas	Bayesian Mixture modelling, with applications in epidemiology, genetics and ecology
11.00-11.30: coffee + posters		
11:30	Catriona Harris	Marine mammals and noise: impact assessment and risk mitigation
11:45	Thibault Poiret	spaces in algebraic geometry which parametrize something
12:00	Ben Baer	Semiparametric efficiency for the working statistician
12:15	Cosima Breu	Swirls in the corona
12:30	Alex Rutar	Multifractal analysis and the geometry of Lagrange multipliers
12:45	Daphné Lemasquier	Dynamics of gas giants
13.00 - 14.00: lunch		
14:00	Mark Chaplain	Mechanical models of pattern and form in biological tissues
14:15	Bromlyn Cameron	Group dynamics and Thompson's group F
14:30	Alex Russell	Mathematics of turbulent magnetic reconnection
14:45	Abinand Kodi	Continuous time spatial capture recapture using stochastic differential equations
15:00	Peter Cameron	Ordering groups by element orders
15:15	Kate Mowbray	Estimating Particle Energisation in Collapsing Magnetic Trap Models of Solar Flares
15:30	Russell Campbell	Melt ponds on Arctic sea ice: drainage and brine channel evolution
15:45	Deborah Kent	Mostly in the zone: 19th-century eclipse expeditions
16:00: Drinks and nibbles		