

School of Mathematics and Statistics
Research Day 23rd January 2020
Talks in Theatre D

09:30	Jonathan Fraser	The spiral winding problem
09:45	Ruth Bowness	Exploring non-adherence to TB treatment with simulations from an individual-based mathematical model
10:00	Ian Durbach	Two-stage survey design for the range-wide assessment of snow leopards
10:15	Tom Howson	Coronal Heating in a Magnetic Arcade
10:30	Luke Elliott	Rubin's Theorem
10:45	Nikos Sfakianakis	Cell migration and tissue invasion in 2- and 3D environments

11.00-11.30: coffee + posters in 3B

11:30	David Rees Jones	Reactive and shear-driven flow instabilities in magmatic systems
11:45	Sophie Huczynska	Applications of combinatorics to cryptography
12:00	Andy Lynch	Two questions arising from one glioblastoma patient
12:15	Vasilis Archontis	Dynamics of solar magnetic fields
12:30	Louis Theran	Framework almost-rigidity
12:45	Chiara Villa	Pattern formation in linear viscoelastic materials

13.00 - 14.00: lunch in 1A

14:00	Liam Stuart	Hyperbolic Geometry and Limit Sets
14:15	Cornelia Oedekoven	Counting dolphins at sea: improving methods using long-range drones
14:30	Chris Russell	Enumerating binary matrices with all rows and columns distinct up to permutations of rows and columns
14:45	Jochen Kursawe	Modelling and measuring stochastic dynamics in embryonic stem cells
15:00	Peter Jupp	Do these points lie on straight lines?
15:15	Reza Jalali	Vertically-Averaged model: the improved Green-Naghdi model for rotating shallow fluid layer
15:30	Jim Belk	On Embeddings into Infinite Simple Groups
15:45	Isobel Falconer	J.H. Poynting and the gravitational constant in the 19th century

16:00: Drinks and nibbles in 1A