

The Work of the Edinburgh Mathematical Society

Rachel Norman

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<https://www.ems.ac.uk>

Purpose

- Membership currently around 700
- **Stated aim:** “...the development and promotion of all aspects of the mathematical sciences - including pure and applied mathematics, statistics, operational research, and data science - particularly in Scotland.”
- Smallest of 5 UK mathematical sciences learned societies (LMS, IMA, RSS, ORS, EMS). Partner in the Council for Mathematical Sciences.

Joining EMS - How and Why?

- Membership free to PGR students
- For others, 1st year free, thereafter £24 p.a.
- Notification and access for online talks
- Travel expenses for PGR students to attend EMS meetings in Scotland

Contact: ems.membership@ed.ac.uk (Oana Pocovnicu, Membership Secretary)

Activities: Meetings of the Society

- Monthly meetings Oct – May, organised by university departments – hybrid or online

Coming up.....

- **30th September** *EMS Popular Lecture,*

Dr Kit Yates. Bayes Centre, lecture theatre G.03 and Zoom

The Maths of Life and Death: Understanding the maths behind epidemics

Abstract: In this lecture, Dr. Kit Yates will look at some of the basic models and mathematics underlying the understanding of disease spread, and pick apart the meanings behind some of the terms we hear about in the news: from exponential growth and R to critical immunisation threshold and herd immunity.

- **21 October** *AGM,*

Popular lecture of the
Edinburgh Mathematical Society

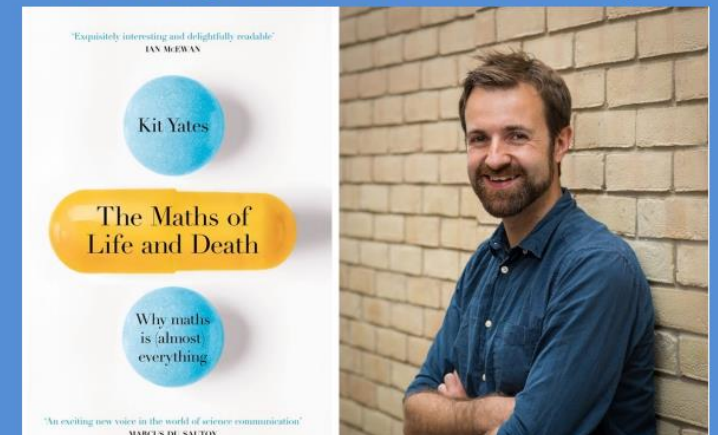


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Dr Kit Yates

Senior lecturer at University of Bath
Author and science communicator

The Maths of Life and Death

Activities: Research Support Fund

- Established in 1983 as 'Centenary Fund'
- Supports a range of research activities including visitors, workshops, summer schools
- Co-sponsorship of major meetings (BMC/BAMC)
- Straightforward application procedure
- Non-members may apply if application countersigned by member

Activities: Prizes & Awards

- Sir Edmund Whittaker Memorial Prize - to an outstanding early-career mathematician having a specified connection with Scotland
- EMS PhD Prize (initiated in 2019) - for an outstanding PhD thesis in pure mathematics, applied mathematics, mathematical physics or statistics.
- From 2021, EMS Impact Prize, to awarded to individuals or teams whose work in mathematical sciences has impacted on or had influence in other fields [**reflects increasing value placed on impact e.g. through REF, Bond Review**]

Other activities

- Set up Reaching Higher – widening participation programme
- Maths week Scotland funding
- Annual PGR Meeting at The Burn, Edzell
- Members of SG's Cross Party Working Group on Science & Technology

