An Introduction to Mathematical Modelling for Life Scientists

Nottingham 10 - 13 September 2012
http://www.maths.nottingham.ac.uk/mathsforlife

Aims:

- introduce mathematical modelling and systems approaches to life scientists
- explain where equations come from, what they mean, and how to analyse them
- introduce differential equation models, parameter estimation and sensitivity, randomness and spatial models
- show how to create, simulate and analyse models using appropriate software

Programme: Four days combining lectures with supervised hands-on practical exercises using biological examples, allowing participants to try out mathematical modelling techniques in a friendly, supportive environment.

Tutors: Prof Nick Monk (University of Sheffield, UK) and Dr Markus Owen (University of Nottingham, UK)

Venue: The University Park Campus of the University of Nottingham. Accommodation will be provided in Halls of Residence on Campus.

Fees: £800, including meals and three nights' accommodation.

How to apply: print out, fill in and return the form at:
http://www.maths.nottingham.ac.uk/mathsforlife/apply.php

Feedback from previous courses:

* "Excellent course, has been very useful and stimulated ideas for applying modelling to our research"
* "I feel I could communicate better with mathematicians now ... I wouldn't have known where to start before this course!"
- "fantastic lectures, understandable; lecturers were aware that it was a difficult subject and always ensured that we were understanding the content"
- "This is a great course and I thoroughly enjoyed it"
- "It was organised extremely well and all the lectures of a high quality. I certainly learnt a lot."

Signet Cell signalling network

CMMB Centre for Mathematical Medicine and Biology

CPIB The Centre for Plant Integrative Biology

The University of Nottingham