

MATHEMATICAL APPROACHES IN BIOLOGY (MAB) 2009-2010

Graduate course given every other Friday, 4.30pm
in the Bryan Matthews room, Physiology Building.

A series of informal afternoon sessions will be given in the Department of Physiology, Development, and Neuroscience (PDN) designed to highlight different aspects of computing in the biosciences currently used in Cambridge. The intention is to introduce computational approaches to students who are not necessarily very mathematically oriented and to guide them to techniques and software they may find useful in their own research. Talks will be given on alternate Friday afternoons in the Physiology building and will finish with an informal session strategically timed to coincide with the PDN happy hour.

TIMETABLE

2009

23 Oct	Dennis Bray (PDN)	Bacterial chemotaxis
6 Nov	Ray Goldstein (DAMTP)	Cell swimming
20 Nov	Richard Adams (PDN)	Tissue morphogenesis
4 Dec	Jim Haseloff (Plant Sciences)	Plant development

2010

29 Jan	Stephen Eglén (DAMTP)	Retinal development
12 Feb	Alexander Kabla (Engineering)	Tissue mechanics
26 Feb	Ben Simons (Cavendish)	Stem cell origins
12 Mar	Mate Lengyel (Engineering)	Computational neuroscience
26 Mar	Nik Cunniffe (Plant Sciences)	Computational ecology

Organizers Richard Adams (rja46@cam.ac.uk) and Dennis Bray (db10009@cam.ac.uk)

Students interested in attending this course should sign up on the [Graduate School web-site](#). Materials for the course will be available on a [CamTools site](#): Mathematical Approaches in Biology