

Mathematical Methods in Systems Biology

**3rd International Workshop, 15th-18th June 2015,
University College Dublin, Ireland, <http://mathsci.ucd.ie/mmsb>**



bringing together applied mathematicians, statisticians and researchers working in various fields of systems biology in order to exchange ideas and initiate collaborations motivated by problems arising in fields such as: cancer modelling, detection and treatment, epidemiology and infectious diseases, computer-assisted diagnosis, medical imaging and others.

Plenary Speakers



Walter Kolch, UCD Conway Institute for Biomedical and Biomolecular Research



Philip Maini, Centre for Mathematical Biology, Oxford University



Adrian Raftery, Statistics, University of Washington



Martin Steinhoff, UCD Charles Institute of Dermatology

Sponsors



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Topics

Cancer modelling and treatment
Medical Imaging and computer assisted diagnosis
Signalling pathways and cell dynamics
Epidemiology and biostatistics

Blood dynamics and hematopoietic disorders
Immune system and infectious diseases
Pharmacokinetics
Diabetes and wound healing

The workshop proceedings will be published as a special issue of Mathematical Biosciences and Engineering

Organising committee

Eugene Kashdan (chair)
Boris Kholodenko
Andrew Parnell
Marius Ghergu

Lan Nguyen
Dirk Fey
Maciej Dobrzynski
Barak Pearlmutter

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**Mathematics is biology's next microscope,
only better.**

**Biology is mathematics' next physics,
only better",**