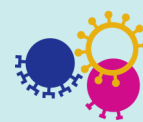




UNDERSTANDING THE
Physics of Life



Biophysical
Sciences Institute



BBSRC
bioscience for the future

EPSRC

Pioneering research
and skills

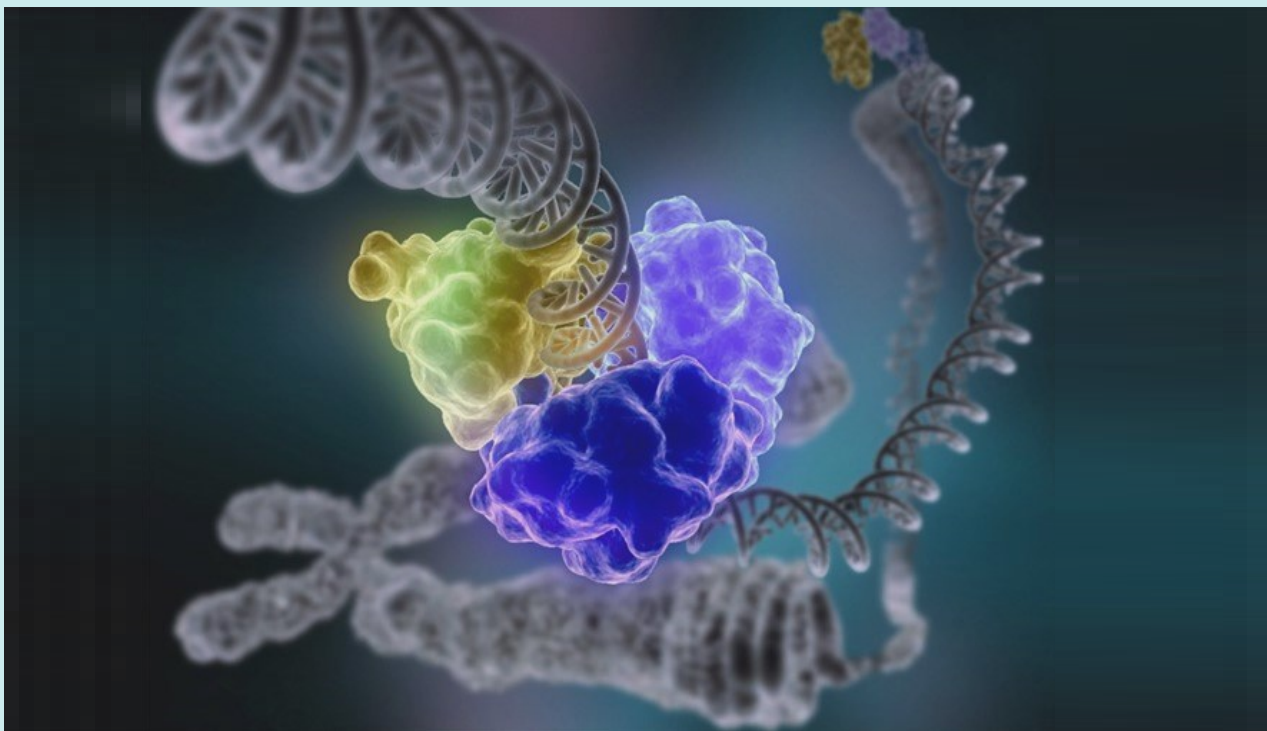
PHYSICS OF LIFE SUMMER SCHOOL:

New Approaches to Biomolecular structure, dynamics and function

16-20 July 2018

Grey College, Durham University

<http://www.physicsoflife.org.uk/summer-schools.html>



A one week course with 20 hours of lectures for early career research scientists.

Organisers:

Tom McLeish FRS and Martin Cann

This one week summer school will present state-of-the-art computational, theoretical and experimental techniques used to explore how biomolecular dynamics depend on molecular structure and connects to and determines biological function. This is a rapidly expanding field which combines many different aspects of biology and physics.

Aimed at early-career researchers from either life-science or physical-science background, it will assist in effective working in the interdisciplinary world that connects them.

Registration deadline: 29 May 2018

Registration fee: £100 (includes Monday to Friday accommodation and meals)

Topics and Speakers:

- X-ray/synchrotron technologies (Martin Walsh, Diamond Light Source and Ehmke Pohl, Durham)
- High resolution microscopies (Robert Pal, Durham)
- Multiscale modelling (Gerhard Gompper, Jülich)
- Protein Dynamics (Sarah Harris, Leeds)
- Epigenetic memory (Martin Howard, John Innes)
- NMR (Anastasia Zhuravleva, Leeds)
- Protein Evolution (Bhavin Khatri, Francis Crick Institute)
- Working across disciplines (Tom McLeish FRS, Martin Cann and John Girkin, Durham and Olwyn Byron, Glasgow)