



UNDERSTANDING THE Physics of Life

December 2017 Newsletter

EPSRC

Pioneering research
and skills



Physics of Life Events

2017

18-19

Dec 2017

FINAL REMINDER: Quantitative Methods in Gene Regulation IV, Corpus Christi College, Cambridge

Invited speakers:

Nancy Keckner, Madan Babu, Antonio Celani,
Philip Greulich, Martin Howard, Iain
Johnston, James Locke, Emma Rawlins,
Silvia Santos, Azim Surani, Barbara Treutlein.

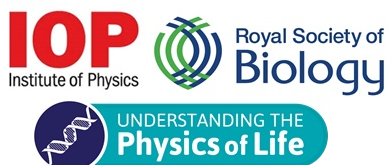
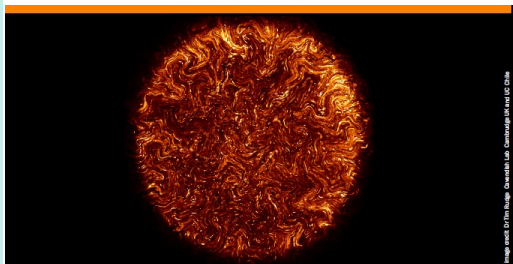
Registration closes:
11 December

£225 (Staff)

£100 (Students)

*IoP members receive concessionary rates.

Workshop organiser: Pietro Cicuta



[Register for QMGR IV here](#)

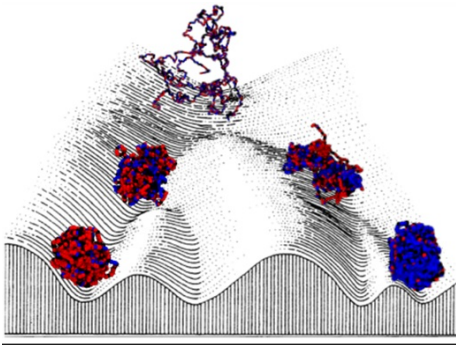
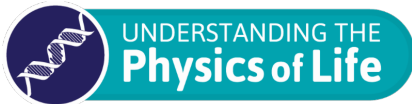
2018

Biophysics of epigenetic and chromatin dynamics

This workshop will gather biologists,
physicists, experimentalists and modellers

16-17

April 2018



[Register for Epigenetics here](#)

working on topics of epigenetics and chromatin organisation with a focus on dynamics and inheritance.

Topics will include:

- Computational models of epigenetic dynamics
- Cellular Senescence
- Epigenetic Memory
- Centromere Inheritance
- 3D Genome Dynamics

Invited speakers:

Martin Howard, Wendy Bickmore, Enzo Orlandini, Kim Sneppen, Akis Papantonis, Vladamir Teif, Karsten Rippe, Patrick Heun, Yuki Ogiyama, Cedric Vaillant.

Registration:

Registration for this event is FREE with spaces allocated on a first come, first serve basis.

Workshop organisers:

Davide Michieletto, Chris Brackley, Davide Marenduzzo

Save the date! Physics of Life Summer School

For Early Career Researchers (MSc, PhD students and post docs)

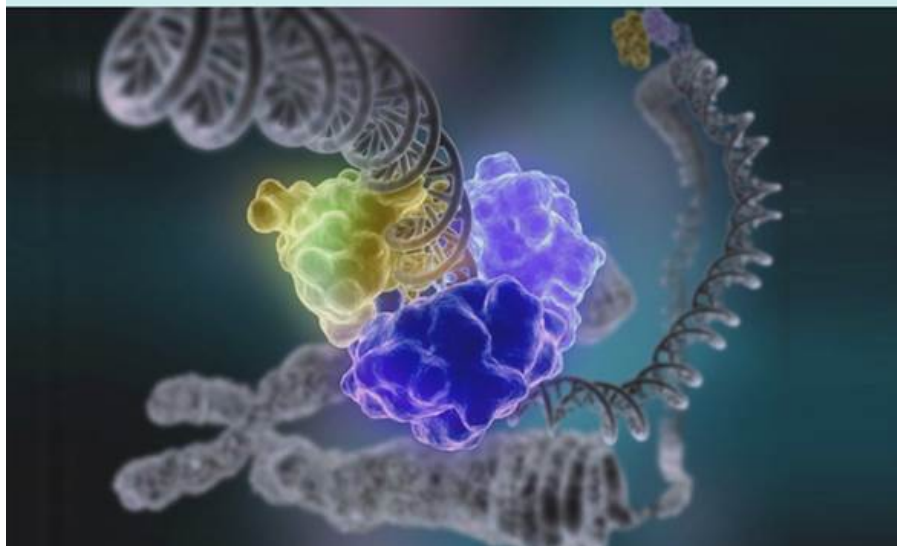
PHYSICS OF LIFE SUMMER SCHOOL:

New Approaches to Biomolecular structure, dynamics and function

16-20 July 2018

Grey College, Durham University

<http://www.physicsoflife.org.uk/>



Other activities of interest

EVENTS

2018

[Royal Society Theo Murphy: The Artificial Cell](#), 26-27 February, Kavli Centre Royal Society, Bucks, UK.

This meeting brings together a multidisciplinary mix of cell biology, membrane biophysics, soft matter and bottom-up synthetic biology scientists to discuss the challenges and state of the art in assembly of compartmentalised soft materials inspired by and mimicking biological cells. A limited number of early career bursaries are available (by emailing organisers at theartificialcell@gmail.com or via CBMNet <http://cbmnetnibb.group.shef.ac.uk/funding/travel-grants/>

[49th IFF Spring School 2018: Physics of Life](#), Physics of Life, 26 Feb-09 March, Forschungszentrum Juelich, Germany. The Spring School 2018 will provide an introduction to and an overview of current research topics in biophysics of living systems, with an emphasis on understanding biological structure, dynamics and function. Application deadline: 20 December 2017.

[62nd Annual Meeting Biophysical Society](#), 17-21 February 2018, San Francisco, California.

[DGZ Young Scientists' Forum](#), 26-27 February 2018, Berlin.

[The Astbury Conversation](#), 16-17 April 2018, University of Leeds.

The event will bring together some of the world's most prominent molecular/chemical/structural biologists for a two day symposium and public event, with our keynote speaker being Stanford University's Nobel Laureate Professor Brian Kobilka. The registration fee is just £49 (no accommodation) or £139 (including overnight accommodation). This includes access to all talks, event materials and meals, including beer and pizza at the poster night. Places are limited, and the event is now being advertised both nationally and internationally- so please book your place ASAP.

[Mechanics of Slender Structures in Physics, Biology, and Engineering: From Failure to Functionality](#), Solvay Workshop, 27-29 August 2018 (ULB, Brussels, Belgium)

For a full list of events of interest to PoLNET2 members go here:

<http://www.physicsoflife.org.uk/other-events.html>

JOB OPPORTUNITIES

[Postdoc in Biophysics/Super resolution microscopy](#), Prof Mark Leake's Laboratory, Departments of Physics and Biology, University of York. Formal applications opening soon, informal EO1 are encouraged.

[Postdoc in computational biophysics](#) in Andela Saric's lab, UCL, starting April 2018. Closing date: 20 December.

[PhD Ice Formation in Soft and Biological Matter](#), Dr Gabriele Sosso, Department of Chemistry, University of Warwick. Deadline: December 15, 2017.

[PhD Direct probing of molecular interactions relevant to virus entry via force spectroscopy with optical tweezers in live cells](#), Dr Isabel Llorente-García, The Biological Physics Group, UCL Dept. of Physics and Astronomy. Application deadline: 31 January 2018.

[PhD Dissecting molecular complexity in single living cells using state-of-the-art super-resolution microscopy and biophysical chemistry, one molecule at a time](#), Prof Mark Leake's Laboratory, Departments of Physics and Biology, University of York.

If you would like to advertise an event of interest or opportunity of relevance to Physics of Life members, please email: k.h.baker@dur.ac.uk.

[Visit Physics of Life Website](#)

