



COMPBIOMED CONFERENCE 2019

www.compbiomed-conference.org

25-27 SEPTEMBER 2019

08:00 – 17:00

IET London

2 Savoy Place, London,
WC2R 0BL

Conference Chair:
Prof Peter Coveney

Conference Information

The conference will address all aspects of this rapidly burgeoning domain, from genome through organ to whole human and population levels, embracing data driven, mechanistic modelling and simulation, machine learning and combinations thereof. We welcome contributions from academic, clinical and industrial participants alike.

Following review by the organising committee, selected papers will be invited for submission to a theme issue of the *Journal of the Royal Society Interface Focus*, due for publication in March 2020.

The conference is organised by the Centre of Excellence (CoE) in Computational Biomedicine (CompBioMed), aimed at nurturing and promoting the uptake and exploitation of high performance computing within the biomedical modelling community (www.compbiomed.eu).

Located at the Institute of Engineering and Technology (IET) London: Savoy Place, the CompBioMed Conference 2019 will combine a venue with innovative catering and spectacular views of the River Thames with an exciting programme of relevant symposia and world-renowned keynote and invited speakers, proposed and secured by our International Organising Committee

Deadlines

Call for papers:

Abstract submission: 15th May 2019

Registration:

Early Bird Registration: 15th May 2019

Late Registration: 15th September 2019



Plenary Speakers

- Andrew Hopkins (Exscientia)
- William L. Jorgensen (Yale)
- Amanda Randles (Durham, NC)
- Anne M. Robertson (Pittsburgh)
- Oliver Röhrle (Stuttgart)

Conference Themes

Biomedical Applications

Genomics

Molecular Medicine

Cardiac & Bloodflow, Neuro-musculoskeletal, Brain

Immunology

Oncology

From Quantum AI to the Virtual Human

Methodology

Multiscale Modelling

Role of Theory, Modelling and Simulation in Biomedicine

Machine Learning, Big Data & AI

Uncertainty Quantification

Technology and Outreach

Imaging & Visualisation

Regulatory Science and *in silico* Trials

Cloud & High Performance Computing

Innovation in Modern Biotechnology

Education, Training & Public Awareness

International Organising Committee

Julien Abi-Nahed (Doha), **Alya Arabi** (Abu Dhabi), **Paul Best** (CBK Sci Con), **Annamaria Carusi** (Sheffield), **Andrea Cavalli** (Genoa), **John Chodera** (New York), **Bastien Chopard** (Geneva), **Fernando Cucchietti** (Barcelona), **Vanessa Diaz** (London), **Dimitar Dimitrov** (DiaVita), **Sara Dutta** (Boston), **Tim Elliott** (Southampton), **Gianni De Fabritiis** (Barcelona), **Julien Favier** (Marseille), **Fiona Ford** (DNAexus), **Philip Fowler** (Oxford), **Francesco Gervasio** (London), **Norbert Graf** (Homburg), **Darren Green** (GSK), **Derek Groen** (London), **Bert de Groot** (Göttingen), **Alexander Heifetz** (Evotec), **Roger Highfield** (London), **Alfons Hoekstra** (Amsterdam), **Shantenu Jha** (New Jersey), **Dieter Kranzlmüller** (Munich), **Peter Love** (Tufts), **Erik Lindahl** (Stockholm), **Nikolas Maniatis** (London), **Thierry Marchal** (Ansys), **Cristin Merritt** (Alces Flight), **Gavin Pringle** (Edinburgh), **Esther Pueyo** (Zaragoza), **Blanca Rodriguez** (Oxford), **Eric Stahlberg** (Maryland), **Rick Stevens** (Chicago), **Sauro Succi** (Rome), **Kenji Takeda** (Microsoft), **Andrea Townsend-Nicholson** (London), **Herman Van Vlijmen** (Janssen), **Mariano Vazquez** (Barcelona), **Marco Verdicchio** (Amsterdam), **Marco Viceconti** (Bologna), **Andrew Whiting** (Lightox)