

**BIOCHEMICAL
SOCIETY**

A BIOCHEMICAL SOCIETY SCIENTIFIC CONFERENCE

Genome organisation by SMC complexes

**27–30 September 2022
Edinburgh, UK**

The purpose of this meeting is to provide a forum for researchers to discuss how genomes are organised by protein complexes containing Structural Maintenance of Chromosomes (SMC) proteins.

Exciting breakthroughs in the past few years mean that this field is advancing more rapidly than ever before. In particular, the *in vitro* reconstitution of different SMC complexes from bacteria, yeast and humans has energised the field, enabling single molecule assessment of their function on DNA and structural studies that provide mechanistic insight at unprecedented resolution. Concurrently, SMC complex dysfunction has been implicated in numerous pathological states in humans, including cancer, constitutional aneuploidy syndromes and neurodevelopmental disease.

A major goal of this meeting is to facilitate interdisciplinary collaboration. The speaker list will include experts in single molecule and polymer biophysics, structural biology, biochemistry and disease modelling, as well as cell biologists working with diverse bacterial and eukaryotic model systems.

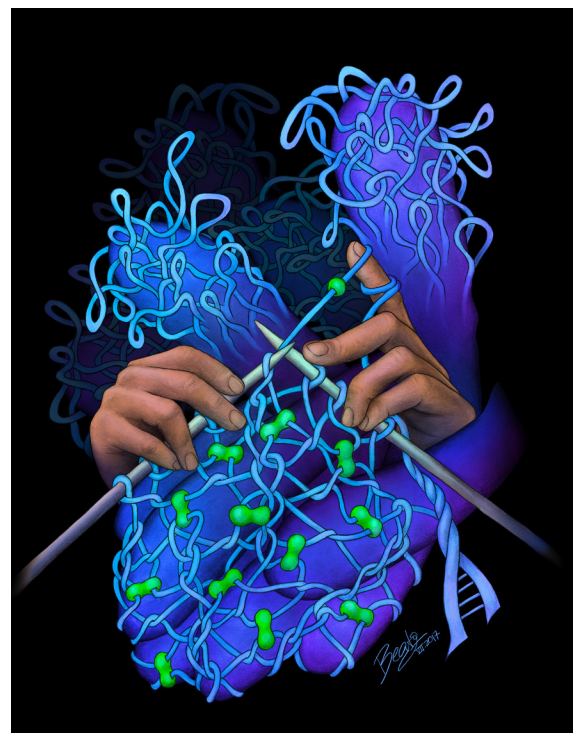


Illustration by Beata Science Art

Register online:

bit.ly/Genome-organisation-2022