

First circular & call for papers



**SLTB Science meeting
Cambridge 19-20
September 2017 at
British Antarctic
Survey Aurora Centre
Cambridge**



UNIVERSITY OF
CAMBRIDGE



Aurora Cambridge

AURORA
CAMBRIDGE

Dear Colleagues

The Society will be holding its annual meeting in Cambridge at the newly opened Aurora Cambridge <https://www.bas.ac.uk/science/science-and-innovation/aurora-cambridge/>, on the 19th and 20th of September.

The scientific organisers (John Day, Melody Clarke, Glyn Stacey & Hugh Pritchard) look forward to hosting a vibrant multi-disciplinary meeting engaging colleagues from a wide variety of research areas and technical backgrounds, spanning both fundament and applied research, as well as the application of low temperature science for the benefit of mankind.

The meeting will include a drinks reception at BAS and the conference dinner will be held at La Stada Restaurant at 19.30 on the 19th September. Please note that no centralised accommodation has been booked and that individual delegates should arrange their accommodation as early as possible.

The program is under development and attached/ to this circular are the call for abstract submissions, an application form for Audrey Smith Travel awards and a registration form.

In addition to offered free communications and short oral (Flash) presentations for student posters, there will be three special sessions:

Stabilising cell preparations for roll-out of regenerative medicines

Chair Prof Glyn Stacey (NIBSC)

Confirmed invited speakers:

Heiko Zimmermann (Fraunhofer IBMT)

Vitrification for stem cells

G. John Morris (Asymptote/ GE Healthcare, Cambridge)

Cryochain equipment for the clinical delivery of regenerative medicine

Alexandra Stolzing (Loughborough University)

Cryopreservation of mesenchymal stem cells for clinical application

Plant cryopreservation - from single cells to complex systems

Chair Prof Hugh Pritchard (Kew)

Confirmed invited speakers:

Jayanthi Nadarajan (NZ Inst. Plant & Food Research Ltd)

Plant cryopreservation axes to seeds

Paul Lynch (Derby)

Plant cryopreservation cell suspensions to shoot tips

Daniel Ballesteros (Kew)

Life and death at cryogenic conditions: using fern spores as unicellular model to evaluate benefits and limits of LN storage

Environmental Cryobiology – Life in the Freezer

Chair Prof Melody Clark (BAS)

Confirmed invited speakers:

Andy Clarke (BAS)

What can ecology learn from cryobiology, and vice versa?

Laura Grange (Southampton)

A tale of two extremes: Extreme cold and warm years limit the reproductive performance of Antarctic echinoderms

Mathew Davey (Cambridge Univ)

Metabolic composition of Antarctic snow algae communities

So, on behalf of the organizing committee, we look forward to meeting up with you later in the year.



Brian Grout, Chairman SLTB