

# Society for Low Temperature Biology

Annual Scientific Meeting, AGM and Symposium

## Validation, Safety and Ethical Issues Impacting the Low Temperature Storage of Biological Resources

12-14 September 2007 at the University of Derby

### Conference Announcement and Call for Papers and Posters

A symposium providing a cross-discipline forum to consider the role of validation, safety and ethical issues in the preservation of different types of living resources at low temperatures

#### Conference Organisers

##### Host Institute

##### Professor Paul T Lynch

Biological Sciences Research Group  
University of Derby  
Kedleston Road  
Derby DE22 1GB UK  
e-mail: p.t.lynch@derby.ac.uk  
Phone: 0044(0) 1332 591748  
Fax: 0044(0) 1332 597747

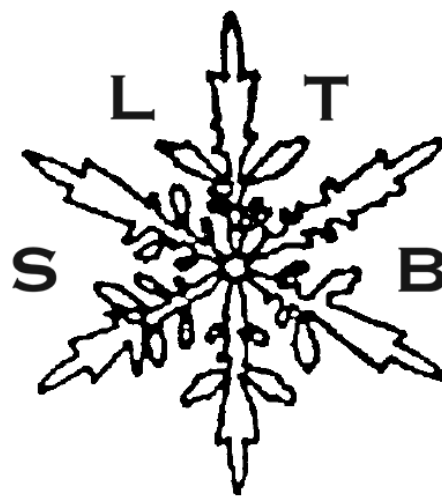
#### Co-Organisers

##### Dr Erica E Benson

Research Scientist, Conservation & Environmental Science  
Visiting Research Fellow, Cryobiology, University of Derby

##### Dr Keith Harding

Research Scientist, Conservation & Biotechnology  
Visiting Research Fellow, Molecular Genetics, University of Derby  
Damar, Drum Road, Cuparmuir, Cupar  
Fife KY15 5RJ Scotland UK  
e-mails: e.benson-damar@tiscali.co.uk k.harding-damar@tiscali.co.uk  
Phone/Fax: 0044 (0) 1334 657192



Society for Low Temperature Biology

# Programme

## Wednesday 12 September 2007

- 15:00-19:00**      **Registration**  
University of Derby, Kedleston Road Campus, Main Reception
- 18:00-19.00**      **Conference Reception**
- 19:00-20:00**      **Plenary Lecture – Glyn Stacey**  
UK National Institute of Biological Standards and Control, South Mimms UK  
*The Challenging Path from Stem Cells to Therapy*

## Thursday 13 September 2007

*Opening – Welcome Professor John Coyne, Vice Chancellor of the University of Derby*

### 9:15-13:00      **Session 1 Regulatory and Ethical Aspects of Cold Storage**

*Chairs Glyn Stacey & Paul Watson*

- Maureen Wood      Aberdeen Fertility Centre, University of Aberdeen, Scotland UK  
*The Regulation of Human Gamete and Embryo Storage*
- Gillian Lockwood      The Midlands Fertility Clinic, Wolverhampton UK  
*Potential of Cryopreservation for Female and Male Fertility:  
Techniques, Applications and Ethical Issues (provisional title)*
- Peter Whittaker      Institute of Environment, Philosophy and Public Policy, University of Lancaster UK  
*Human Stem Cells and their Storage: Some Ethical Issues*
- Barry Fuller      Royal Free Hospital and University College London UK  
*Hypothermic Organ Storage for Transplantation, and the Human Tissue Act – the Devil in the Detail*
- Joachim Keller      Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben Germany  
*Cryopreservation for Plant Genebanks – A Matter Between High Expectations and  
Cautious Reservation*
- Bill Holt      Zoological Society of London, The Regent's Park, London UK  
*Cryobiology, Wildlife Conservation and Reality*

General Discussion

### 14:00      **Session 2 Cryopreservation: Hazards, Risks & Safety**

*Chair John Day*

- Mathew Tomlinson      Queen's Medical Centre, University of Nottingham UK  
*Managing Risks Associated with Cryopreservation (provisional title)*
- Andreas Sputtek      Universitaetsklinikum Hamburg-Eppendorf, Hamburg Germany  
*Cryopreservation of Autologous Peripheral Blood Stem Cells for Patient Treatment:  
Theory, Practice and Funding Issues*

General Discussion

### 18.00-19.00      **Reception Buffet for Professor Chris Polge's Memorial Lecture**

*Conference Posters and Trade Exhibition*

### 19.00-20.00      **Paul Watson, Royal Veterinary College, London UK**

*A Memorial Lecture for Professor Chris Polge*

## Friday 15 September 2007

### 9:00 Free Communications Session

*Chairs* Tiantian Zhang & Elena González-Benito

*Contributions: All Aspects of Low Temperature Biology*

### 11.00 Session 3 Validation of Cold Storage Techniques and Practices

*Chair* Joachim Keller

David Smith &  
Matthew J. Ryan

Commonwealth Agricultural Bureaux International (CABI) Biological Resources, Egham UK  
*"The Impact of Implementation of Organisation for Economic Co-operation & Development (OECD) Biological Resource Centre Best Practice on Cold Storage of Micro-organisms"*

Bart Panis

Laboratory of Tropical Crop Improvement  
Katholieke Universiteit Leuven (KUL) Belgium  
*Plant Cryopreservation: Applications, Constraints and Prospects*

Zoe Hewitt

Centre for Stem Cell Biology, University of Sheffield UK  
*Moving Towards Therapy: The Issues of Good Management Practice (GMP) and Vitrification of Stem Cells*

General Discussion

### 13.45 Free Communications

*Chairs* Andy Wetton & Mark Curry

*Contributions: All Aspects of Low Temperature Biology*

### 15.30 Session 4 Cold Storage Validation and Technology Transfer

*Chair* Brian Grout

Robert Parker

The Heart Valve Bank  
Royal Brompton Hospital, London UK  
*Validation of Cold Storage Approaches for Heart Valves*

John Day

Culture Collection of Algae & Protozoa, Scottish Association for Marine Science, Oban, Scotland UK  
*COBRA's (The Conservation of a vital European Scientific and Biotechnological Resources: microAlgae and cyanobacteria) Experience of Cryopreservation Technology Transfer (provisional title)*

Keith Harding

Research Scientists, Damar, Fife, Scotland UK  
*Technical Aspects Concerning the Validation of Cryopreservation for the Conservation of Phytodiversity*

Erica Benson

Research Scientists, Damar, Fife, Scotland UK  
*From Research to Cryobank: A Translational Approach to Cryopreservation*

General Discussion

Tiantian Zhang

*Chair*, Society for Low Temperature Biology

### Meeting Summary and Conclusion

### 17.00-18.00 Society for Low Temperature Biology, Annual General Meeting

### 20.00 Kedleston Hall, Conference Banquet

## Submission of Abstracts

**Abstracts for presentations and posters must be submitted by 1 July 2007 to the Conference Organiser Paul Lynch by e-mail ([p.t.lynch@derby.ac.uk](mailto:p.t.lynch@derby.ac.uk)) on the standard Society for Low Temperature Biology Abstract Form – available at <http://www.slbtb.info/>**

A scientific advisory panel will review all submissions and select abstracts for either oral or poster sessions.

It is expected that authors are available and fully intend to present their abstracts if selected.

Abstract review notifications will be sent by email by 31 July 2007.

## Presentations

The free communications sessions will be 20 minutes for oral presentations. Posters will be on displayed in the Atrium of the University of Derby, Kedleston Road Campus.

The maximum poster size is 1.25m wide by 1.5m high. Poster spaces will be numbered.

## Research Student/Young Researchers Prize

Research Students and Young Researchers are invited to compete for the Society for Low Temperature Biology Prize (a £100 award) for the best oral presentation.

Please indicate your willingness to enter the competition on your registration form.

## Travel Awards

A limited number of Society for Low Temperature Biology Audrey Smith Travel Awards are available to support attendance at this meeting.

Please see the Society for Low Temperature Biology web site for further information (<http://www.slbtb.info/>)

## Exhibitors

If your company or organisation are interested in exhibiting please contact:

Becky Probart, Conference Office  
University of Derby, Kedleston Road, Derby DE22 1GB

Phone: 0044 (0)1332 591396

Fax: 0044 (0)1332 622751

e-mail: [R.Probart@derby.ac.uk](mailto:R.Probart@derby.ac.uk)

[www.derby.ac.uk/conferences](http://www.derby.ac.uk/conferences)

## Accommodation

Delegates can either book the hall of residence bed and breakfast (B&B) package or make their own arrangements (in which case we can send you information about local B&B provision).

Single en suite study bedrooms are available in a hall of residence approximately 1.5 miles from the University campus, specific conference transport will be available.

## Cancellations

The organisers reserve the right to make cancellation charges of 100% in the case of late cancellations.

Cancellations with at least three weeks notice will be subject to a refund less administration charges of 50%. Substitutions will be acceptable at any time.

## Deadlines

### Abstracts:

#### 1 July 2007

submit to Paul Lynch: [p.t.lynch@derby.ac.uk](mailto:p.t.lynch@derby.ac.uk)

### Registration/Booking Forms/Conference Cost Payment

#### 1 July 2007

(For those delegates submitting abstracts and presenting posters/oral communications)

### Registration/Booking Forms/Conference Cost Payment

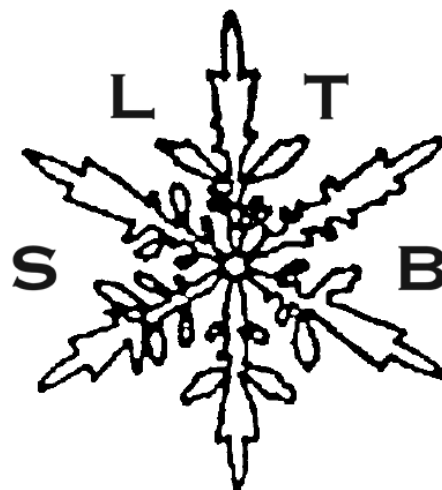
#### 17 August 2007

(For non-presenting delegates)

### Registration/Booking Forms/Conference Cost Payment

#### 3 September 2007

(For delegates attending for one day and not requiring accommodation)



Society for Low Temperature Biology

# Booking and Registration forms

## Conference Costs

Please complete using CAPITAL letters

Title
First Name
Family Name
Institutional Affiliation
Address
Post/Zip Code
e-mail
Phone
Fax

Requirements:

Please state any special requirements regarding:

Diet
Access

Have you or do you intend to submit an abstract?

Yes  No (tick as appropriate)

Do you wish to be considered for the SLTB Research Student/Young Researcher prize?

Yes  No (tick as appropriate)

**Data Protection:** The information provided will be used to create a list of delegates, using your full name, organisation, and e-mail address for circulation at the conference.

If you do NOT wish this information to be included, please tick the box.

This information will not be passed on to a third person.

### Full Conference Attendance with Accommodation

Including: Conference registration, 3 nights Bed and Breakfast (Wed-Fri nights), lunches, refreshments and receptions (Not inclusive of the conference banquet)

Non-SLTB member	£280	_____
SLTB member	£260	_____
Student (A letter of support from academic supervisor must be included with booking form)	£240	_____

### Full Conference Attendance without Accommodation

Please send me information about local hotels and B&Bs

Non-SLTB member	£140	_____
SLTB member	£130	_____
Student (A letter of support from academic supervisor must be included with booking form)	£110	_____

### One Day Conference Attendance

**13 or 14 Sept – please delete as appropriate**

Non-SLTB member	£80	_____
SLTB member	£70	_____
Student (A letter of support from academic supervisor must be included with booking form)	£60	_____

### Kedleston Hall Conference Banquet

£45 \_\_\_\_\_

### Total Payment

£ \_\_\_\_\_

### Payment Method (Please select one)

Invoice to organisation\* Purchase order number \_\_\_\_\_

Cheque enclosed for the sum of \_\_\_\_\_ £ \_\_\_\_\_ made payable to 'University of Derby'

Credit card number

Name on card \_\_\_\_\_

Expiry Date \_\_\_\_\_

Signature \_\_\_\_\_

\*Address for invoice, if not as above

**Complete forms and send to: Becky Probart, Conference Office  
University of Derby, Kedleston Road, Derby DE22 1GB**

Phone: +44 (0)1332 591396 Fax: +44(0)1332 622751

e-mail R.Probart@derby.ac.uk www.derby.ac.uk/conferences