



**'From flies to eyes: models and modalities of human ageing'
BSRA summer meeting (17th July 2007)
and Practical Workshop (18th July 2007)**

The BSRA Annual Scientific Meeting will be held on Tuesday 17th July 2007.
The practical Workshop on will be held on Wednesday 18th July 2007.

Where?

BSRA Annual Scientific Meeting: The Foresight Centre, University of Liverpool, 1 Brownlow Street, Liverpool, L69 3GL. **For more information about the venue please visit www.liv.ac.uk/foresight**

Practical Workshop: Hosted by Professor Malcolm Jackson, School of Clinical Sciences, University of Liverpool, Duncan Building, Daulby Street, Liverpool, L69 3GA.

Accommodation

There is a range of accommodation in the close vicinity, which should be organised personally. Further information is provided on the BSRA web site.

Registration Fee

BSRA Annual Scientific Meeting: BSRA members: **£60**, Student members: **£20**, non members: **£100**. All registration fees include lunch. The deadline for registration 1st June 2007.

Practical Workshop only: BSRA members: **£100**, non members: **£150**, BSRA student members: **£80**, student non members: **£130**. All registration fees include lunch. The deadline for registration 1st June 2007 although the 25 places will be allocated on a first-come, first served basis.

Student Prizes (BSRA Members only)

A **cash prize** will be awarded at the ASM for both the best poster and the best oral communication from a BSRA member who is registered for a higher degree.

Abstracts

Abstracts are invited for either poster or oral communication at the BSRA ASM. Several sessions of the ASM are devoted to oral presentations from registrants, and priority will be given to student Members who wish to make a platform presentation. See attached 'call for abstracts' for further details.

Student bursaries

A limited number of **student travel bursaries** are available to BSRA members who are currently registered as post-graduate students **and who are presenting a poster or oral communication at the BSRA ASM**. The bursary covers the registration fee for the BSRA ASM plus UK travel to the meeting (Standard class rail); successful applicants will be contacted after the meeting. If you wish to be considered for a bursary please indicate on the registration form.

Deadline

Registration and abstract submission: 1st June 2007

Please send abstracts to: Professor Janet Lord (J.M.Lord@bham.ac.uk)

Please send registration forms to: Dr Sian Henson, Dept Immunology and Molecular Pathology, University College London, 46 Cleveland Street, London, W1T 4JF.

BSRA Annual Scientific Meeting 2007 Programme

'from flies to eyes: models and modalities of human ageing'

Tuesday 17th July

Foresight Centre, University of Liverpool

- 9.30am** **Registration and Poster set-up. Tea/coffee will be available upon arrival.**
- 10.20 – 10.30** **Professor Janet Lord. Introduction and Welcome.**
- 10.30 – 11.10** **Dr Christine Seehuus, Norwegian University of Life Sciences..**
Bees as a model for social aspects of ageing.
- 11.10 – 11.50** **Lynne Cox, University of Oxford.**
Modelling genomic instability of Werner's syndrome in the fruit fly.
- 11.50 – 12.30** **Holly Van Remmen, University of Texas Health Science Center, San Antonio, USA.**
The role of superoxide – induced oxidative stress and mitochondria in age-related muscle atrophy.
- 12.30 – 13.00** **Two presentations selected from submitted abstracts.**
- 13.00 – 2.30pm.** **Lunch, Poster viewing and AGM**
- 2.30 – 3.00** **Two presentations selected from submitted abstracts**
- 3.00 – 3.40** **David Wong. St Paul's Eye Hospital, Liverpool.**
Surgery for macular degeneration: a proof of principle or a practical treatment?
- 3.40 – 4.20** **Martin Bennett. Addenbrooke's Centre for Clinical Investigation**
Ageing and atherosclerosis.
- 4.20 – 4.45** **Coffee**
- 4.45 – 5.30** **Nick Lane. Writer and Honorary Senior Research Fellow, University College London.**
Life, Death and Mitochondria
- 5.30 - 6.30** **Lord Cohen Medal lecture. Professor Raymond Tallis. University of Manchester.**
Ageing Research: Makropoulitan and other Reflections

Presentations will take place in the Gallery and posters displays and lunch will be in the Chapel. The AGM will take place in the Gallery.

Evening: **Social at ASK Italian Restaurant (5 minute walk from Lime Street Train Station.**

PRACTICAL WORKSHOP ON THE DETECTION OF REACTIVE OXYGEN SPECIES (ROS) IN CELLS AND TISSUES.

18th July 2007

This workshop will be hosted by Professor Malcolm Jackson at the School of Clinical Sciences, University of Liverpool. The aim of the workshop is to provide a Handbook and practical experience in the major methods and techniques used to detect ROS in cells and tissues for Members of BSRA who are interested in establishing these techniques in their laboratory or in expanding their expertise. This is hopefully the first in a series of Workshops organised by BSRA. **THE WORKSHOP WILL BE LIMITED TO 25 PARTICIPANTS ON A FIRST-COME FIRST-SERVED BASIS.**

09.00 – 10.30:	Introduction, Professor Malcolm Jackson.
10.30 – 12.30:	Laboratory-based practical sessions.
12.30 – 13.30:	Lunch and informal discussions.
13.30 – 15.30:	Laboratory-based practical sessions.
15.30 – 16.00:	Tea/Coffee
16.00 – 18.00:	Laboratory-based practical sessions.
18.00 – 18.30:	Informal discussions and departure.

The format of the day will depend upon the numbers of individuals who are registered for the Workshop, but we anticipate that the delegates will split into 3 groups and spend up to 2 hours at each of the stations listed below. Due to Health and Safety restrictions, participants will primarily be observing experienced laboratory workers undertake the methods.

Introduction. General overview by Professor Jackson on the appropriate methods available for detection of ROS activity in cells and tissues, including mitochondria (presented by Dr Van Remmen).

Station 1. Intracellular detection of ROS. Techniques will include microscopic imaging of ROS with DCFH or other reagents and HPLC to detect specific ROS products of DCFH such as DHE and the use of intracellular spin probes in cells and tissues to determine superoxide or nitric oxide activities by EPR.

Station 2. Extracellular detection of ROS. Techniques will include analysis of extracellular superoxide activity in cells and tissues using cytochrome c and the use of extracellular spin probes to determine superoxide or nitric oxide activities by EPR.

Station 3. Measurement of markers of ROS activity and adaptive responses to changes in ROS. This will include detection of protein sulphhydryl, carbonyl and glutathione content in cells and tissues. Adaptive responses to ROS will include determination of redox-sensitive transcription factor activation, determination of antioxidant enzyme activities and stress protein content (protein and mRNA using QPCR).

Upon registration, we will ask individuals to register their interests in learning particular techniques. The Programme may be modified accordingly. Suggestions for any techniques which are not currently listed will also be considered at that time.

ASM 2007 - Registration Form

There are six registration options. Non-members should note that they may apply for membership at the same time as registering for the meeting, and thus take advantage of the discounted registration fee (option 4 & 5).

Option 1 - BSRA members (17th July 2007 only)

	Cost	Please tick if required
BSRA ASM	£60	
<i>Evening Lecture & Social</i>	£5 - deposit	Yes/No

Option 2 – BSRA student member (17th July 2007 only)

	Cost	Please tick if required
BSRA ASM	£20	
<i>Evening Lecture & Social</i>	£5 - deposit	Yes/No

Option 3 - Non-member (17th July 2007 only)

	Cost	Please tick if required
BSRA ASM	£100	
<i>Evening Lecture & Social</i>	£5 - deposit	Yes/No

Option 4 - Joining member (non-student) (17th July 2007 only)

	Cost	Please tick if required
BSRA ASM (non student)	£60	
<i>Evening Lecture & Social</i>	£5 - deposit	Yes/No
BSRA Membership*	£25	

* please complete and return a Membership form, available from: www.bsra.org.uk/Join_BSRA/join_bsra.html

Option 5 - Joining member (student) (17th July 2007 only)

	Cost	Please tick if required
BSRA ASM (student)	£20	
<i>Evening Lecture & Social</i>	£5 - deposit	Yes/No
BSRA Membership*	£10*	

* please complete and return a Membership form, available from: www.bsra.org.uk/Join_BSRA/join_bsra.html
and enclose a confirmatory letter from your supervisor

OPTION 6 – Additional Registration for Practical Workshop (18th July 2007 only)

	Cost	Please tick if required
BSRA member	£100	
Non-member	£150	
BSRA student member	£80	
BSRA student non-member	£130	

Personal details

Title	<input type="text"/>	Forename(s)	<input type="text"/>
Surname	<input type="text"/>		
Address	<input type="text"/>		
Postcode	<input type="text"/>	Country	<input type="text"/>
Any dietary requirements? Eg. vegetarian	<input type="text"/>		

Payment options

Payment Option A - Credit/Debit Card

Please complete **all** fields. We accept Mastercard/Visa/Delta/Switch (**please circle one**)

Card Number	<input type="text"/>		
Name on card	<input type="text"/>		
Valid from	<input type="text"/>	Issue Number	<input type="text"/>
Expiry Date	<input type="text"/>	(Switch/Maestro only)	<input type="text"/>
Billing address	<input type="text"/>		

DECLARATION

I authorise the *BSRA* to debit the sum of _____ (insert as appropriate) in pounds sterling from the above card.

Signature	<input type="text"/>	Date	<input type="text"/>
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Payment Option B - Cheque

DECLARATION

I enclose a cheque for _____ (insert as appropriate) in pounds sterling drawn on a UK bank.

Signature

Date

Student Travel Bursary (*BSRA members only*)

DECLARATION

I am currently registered as a post-graduate student studying for a _____ degree (**please complete**) and wish to be considered for a Travel Bursary.

Signature

Date

Please return completed forms to:

**Dr Sian Henson,
Dept Immunology and Molecular Pathology,
University College London,
46 Cleveland Street,
London,
W1T 4JF**