

British Society for Research on Ageing (BSRA) Annual Scientific Meeting

**"Engineering a Healthy Future"
2-3 July 2009
The Lowry Hotel, Chapel Wharf, Salford**

Thursday 2nd July

Registration and coffee will be available from 9.00am

10.10 – 10.20: Welcome, Anne McArdle, Chair, BSRA.

**Session 1: Psychosocial and behavioural determinants of biological ageing.
Chair Jos Bosch, University of Birmingham.**

10.20 – 10.30: **Jos Bosch** (University of Birmingham): Introduction; stress and socio-economic status as determinants of biological ageing

10.30 – 10.50: **Tarani Chandola** (Whitehall study group, UCL): Job stress and low socio-economic status as determinants of metabolic ageing

10.50 – 11.10: **Lynn Cherkas** (Kings College): Low socio-economic status and cellular aging: parsing out the effects of genes and environment

11.10 – 11.30: **Marie Pardon** (University of Nottingham): Harmful and protective effects of stress on cognitive ageing

11.30– 12.00: **Moises Bauer** (Univ Rio Grande do Sul, Brazil): Stress and immunesenescence

12.00 – 2.00: **Lunch and AGM and informal poster viewing.**

(The AGM is scheduled for 1.00 – 1.30).

**Session 2: Tissue engineering possibilities for ageing.
Chair Aphrodite Vasilaki, University of Liverpool**

- 2.00 – 2.10:** **Aphrodite Vasilaki** (University of Liverpool): Introduction
- 2.10 – 2.30:** **Anthony Hollander.** (University of Bristol, UK): Clinical transplantation of a tissue-engineered airway
- 2.30 – 2.50:** **John Hunt** (Clinical Engineering, University of Liverpool, UK): Tissue engineering bone regeneration
- 2.50 – 3.10:** **Patricia Murray,** (Biological Sciences, University of Liverpool): Stem cell therapies for kidney disease
- 3.10 – 3.40:** **Lisa Larkin** (Molecular and Integrative Physiology, Biomedical Engineering, University of Michigan, U.S.A). The use of bone marrow stromal cells for engineering skeletal tissue constructs for tissue regeneration in the elderly
- 3.40 – 4.15:** **Afternoon tea**
- 4.15 – 4.45:** **Mario Fraga** (Cancer Epigenetics Unit, IUOPA, Spain). Epigenetics and Ageing
- 4.45 – 5.15:** **Funding Q&A: Lesley Heppell BBSRC**
- 5.15 – 7.00:** **Wine reception and formal poster viewing and judging** (*please note, posters will be different on days 1 and 2*)
- 7.30:** **Conference dinner**

Friday 3rd July

**Session 3: Hormones and ageing.
Chair: Dr Matthew Hardman, University of Manchester.**

- 9.00 – 9.10:** **Mat Hardman** (University of Manchester): Introduction
- 9.10 – 9.30:** **Mat Hardman** (University of Manchester): Estrogens and ageing
- 9.30 – 9.50:** **Hugh Jones** (Robert Hague Centre for Diabetes and Endocrinology, Barnsley): Testosterone and ageing
- 9.50 – 10.20:** **Adriana Miaggi** (University of Milan, Italy): IGF and ageing
- 10.20 – 10.40:** Leptin, obesity and ageing. TBA

10.40 - 11.15 : Coffee break

Session 4: Selected oral presentations
Chair: Dr Carole Proctor (University of Newcastle)

11.15 – 11.30: Elevated presentation 1

11.30 – 11.45: Elevated presentation 2

11.45 – 12.00: Elevated presentation 3

12.00 – 12.15: Elevated presentation 4

A prize, sponsored by BSRA will be awarded to the best presentation in this session.

12.15 – 1.40: Lunch, formal poster viewing and judging (*please note, posters will be different on days 1 and 2*)

Session 5: The ageing bladder and bowel. BBSRC & RIA sponsored session.
Chair: Dr Lesley Heppell (BSRA)

1.40 – 2.00: **Marcus Drake** (Bristol Urological Institute): Clinical aspects of urinary incontinence.

2.00 – 2.20: **John Scholefield** (Nottingham University): Faecal incontinence.

2.20 – 2.35: Elevated presentation on the ageing bladder and bowel 1

2.35 – 2.50: Elevated presentation on the ageing bladder and bowel 2

2.50 – 3.05: Elevated presentation on the ageing bladder and bowel 3

3.05 – 3.20: Elevated presentation on the ageing bladder and bowel 4

A prize, sponsored by BBSRC and RIA will be awarded to the best presentation in this session.

3.20 – 4.00: Coffee

4.00 – 4.40: **Plenary: Mark Birch-Machin** (University of Newcastle): Sunburnt DNA: how mitochondria record the effects of UV exposure and oxidative stress on aging and cancer in human skin.

4.40 – 5.00: Prize giving and closing remarks.