# The new science of ageing

**Monday 10 to Tuesday 11 May 2010**  
Organised by Professor Linda Partridge DBE FRS, Professor Gill Bates FRS, Professor Janet Thornton CBE FRS

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<th><strong>DAY 1</strong> – Monday 10 May 2010</th>
<th><strong>DAY 2</strong> – Tuesday 11 May 2010</th>
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| **Single gene mutations that extend healthy lifespan**  
Chair: David Kipling | **The ageing process as a risk factor for ageing-related disease**  
Chair: Gillian Bates FRS |
| **Biochemistry, physiology and systems biology of lifespan-extension**  
Chair: Michael Murphy | **A broad-spectrum preventative medicine for ageing-related disease**  
Chair: Richard Faragher |
| 09.00 Welcome by Stephen Cox | 13.30 Nir Barzilai  
Interfering with ageing to treat ageing-related disease |
| 09.05 Introduction: Linda Partridge | 09.00 Dominic Withers  
Mammalian models of extended healthy lifespan |
| **09.10 Cynthia Kenyon**  
Single gene mutations in C. elegans | 13.30 Thomas Nyström  
Damage segregation and cellular rejuvenation |
| 09.40 Discussion | 09.30 Discussion |
| 09.55 Brian Kennedy  
Evolutionary conservation of mechanisms of ageing | 14.00 Discussion |
| 10.25 Discussion | 14.00 Discussion |
| 10.40 Coffee | 14.45 Discussion |
| **11.00 Andrzej Bartke**  
Single gene mutations and mammalian ageing | 15.00 Tea  
Stuart Kim  
Genomics and Systems Physiology of Lifespan-Extension |
| 11.30 Discussion | 16.00 Discussion |
| **11.45 Eline Slagboom**  
Genomics of human ageing | 16.15 Thomas Rando  
Ageing and stem cell dysfunction in tissue repair |
| 12.15 Discussion | 16.15 Final Discussion  
Janet Lord |
| **12.30 LUNCH** | 17.00 CLOSE |

**NB:** DRAFT Correct as of 12 March 2010