

## 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

DAY 1 – Monday 10 May 2010				DAY 2 – Tuesday 11 May 2010			
<b>Single gene mutations that extend healthy lifespan</b> Chair: David Kipling		<b>Biochemistry, physiology and systems biology of lifespan-extension</b> Chair: Michael Murphy		<b>The ageing process as a risk factor for ageing-related disease</b> Chair: Gillian Bates FRS		<b>A broad-spectrum preventative medicine for ageing-related disease</b> Chair: Richard Faragher	
09.00	Welcome by Stephen Cox						
09.05	Introduction: Linda Partridge						
09.10	<b>Cynthia Kenyon</b> Single gene mutations in <i>C. elegans</i>	13.30	<b>Thomas Nyström</b> Damage segregation and cellular rejuvenation	09.00	<b>Dominic Withers</b> Mammalian models of extended healthy lifespan	13.30	<b>Nir Barzilai</b> Interfering with ageing to treat ageing-related disease
09.40	Discussion	14.00	Discussion	09.30	Discussion	14.00	Discussion
09.55	<b>Brian Kennedy</b> Evolutionary conservation of mechanisms of ageing	14.15	<b>Janet Thornton FRS</b> Bioinformatics and Lifespan-Extension	09.45	<b>Andrew Dillin</b> Lifespan-extension and ageing-related disease	14.15	<b>Patrick Vallance</b> Drug discovery for a broad-spectrum, preventative medicine for ageing
10.25	Discussion	14.45	Discussion	10.15	Discussion	14.45	Discussion
10.40	Coffee	15.00	Tea	10.30	Coffee	15.00	Tea
11.00	<b>Andrzej Bartke</b> Single gene mutations and mammalian ageing	15.30	<b>Stuart Kim</b> Genomics and Systems Physiology of Lifespan-Extension	11.00	<b>Maria A Blasco</b> Ageing as a risk factor for cancer	15.30	<b>David Gems</b> Treating ageing and ethics
11.30	Discussion	16.00	Discussion	11.30	Discussion	16.00	Discussion
11.45	<b>Eline Slagboom</b> Genomics of human ageing	16.15	<b>Tom Kirkwood</b> Systems biology of ageing and longevity	11.45	<b>Thomas Rando</b> Ageing and stem cell dysfunction in tissue repair	16.15	Final Discussion <b>Janet Lord</b>
12.15	Discussion	16.45	Discussion	12.15	Discussion		
12.30	LUNCH	17.00	CLOSE	12.30	LUNCH	17.00	CLOSE

NB: DRAFT Correct as of 12 March 2010