

**Thursday 27 April**

<b>Thursday 27 April</b>	1.00pm	Welcome: Victoria Cogger, Convenor
	1.15pm	<b>McKnight Oration: Professor Leonard Hayflick</b> (University of California and Stanford University) <u>Unlike Aging, Longevity is Sexually Determined</u>
	2.15pm	Afternoon Tea
	<b>The Arthur Everitt Symposium: Uncovering and Targetting Ageing Biology</b>	
	2.45pm	<b>Dr Rafael de Cabo Chief</b> , Translational Gerontology Branch, National Institute of Aging, NIH (USA) <u>Calorie Restriction and Lifespan Extension, where are we now?</u>
	3.15pm	<b>Dr Judith Ford</b> (University of South Australia) <u>Ageing: A continuum involving telomere length reduction and changes in membrane lipid composition</u>
	3.30pm	<b>Prof Joerg Eberhard</b> (University of Sydney) <u>Bacterial communities in the oral cavity, low-grade inflammation and elevated levels of systemic inflammatory markers in young healthy individuals: Predisposing for cardiovascular events during aging?</u>
	3.45pm	<b>Dr Anthony Cesare</b> (Childrens Medical Research Institute) <u>Telomere loops are a conformational switch that regulate DNA response activation by the chromosome end: implications for the Hayflick limit</u>
	4.00pm	<b>Prof Brian Morris</b> (University of Sydney) <u>FOXO3 longevity interactome on human Chromosome 6</u>
	4.15pm	<b>Dr Nicolas Martin</b> (University of Wollongong) <u>Extending maximum lifespan of the honeybee: a new ageing model</u>
	4.30pm	<b>Prof David Sinclair</b> Head of the Ageing Lab, UNSW and Co-Director Paul F. Glenn Center for the Biology of Aging, Harvard Medical School <u>Genes and small molecules to reverse aging</u>
	5.00pm	Poster Session and Drinks
6.30pm	<b>Conference Dinner</b> The Connection, Rhodes Speakers: Charlotte Wood and Professor David Le Couteur AO Special Guest Professor the Honourable Dame Marie Bashir AD CVO, Patron of Ageing and Alzheimers Institute, Concord Hospital	

**Friday 28 April**

**Ageing and Alzheimers Institute Symposium: Models of Ageing**

<b>Friday 28 April</b>	8.30am	<b>Dr Hannah Nicholas</b> , Senior Lecturer School of Life and Environmental Sciences, University fo Sydney <u>C. elegans as a model system for ageing studies</u>
	9.00am	<b>Dr Adam Walker</b> (Macquarie University) <u>Uncovering molecular drivers of TDP-43 proteinopathy using novel transgenic mouse models of disease</u>
	9.15am	<b>A/Prof. Shinichi Nakagawa</b> (UNSW) <u>Do we really know about how reduced mTOR and somatotrophic signalling extends lifespan?</u>
	9.30am	<b>A/Prof Peter McCourt</b> (University of Tromso) <u>New ways to look at very small holes: using super-resolution optical microscopy to reveal the secrets of liver cell fenestrations</u>
	9.45am	<b>Mr Merijn Driessen</b> (University of Groningen) <u>Rapid increase in lifespan under increased condition-dependent mortality can be explained by shifting mutation-selection balance for robustness</u>
	10.00am	<b>Dr Ted Brown</b> Director, University of Sydney and New York State Institute for Basic Research (USA) <u>What we have learned from Progeria, a model disease of accelerated aging</u>
	10.30am	Morning Tea

## Friday 28 April

<b>Friday 28 April</b>	<b>ANZAC Research Institute Symposium: Interventions in Ageing: Hopeful, Helpful and Harmful</b>	
	<b>11.00am</b>	<b>Professor David Handelsman</b> Director, ANZAC Research Institute <u>Testosterone and the Modern Masquerade of Rejuvenation</u>
	<b>11.30am</b>	<b>Dr Rosilene Waern</b> (University of Sydney) <u>Diet quality and its implications for health of older men: the Concord Health and Ageing in Men Project (CHAMP)</u>
	<b>11.45am</b>	<b>Dr Brenna Osborne</b> (UNSW) <u>Enhancing nuclear NAD+ via overexpression of NMAT1 alters skeletal muscle fibre type and whole body energy metabolism</u>
	<b>12.00pm</b>	<b>Dr Jibrani Wali</b> (University of Sydney) <u>Impact of dietary carbohydrate composition on metabolic benefits of low protein- high carbohydrate diets</u>
	<b>12.15pm</b>	<b>Dr Lindsay Wu</b> (UNSW) <u>SIRT2 activity and NAD+ restoration treat late life infertility</u>
	<b>12.30pm</b>	<b>Professor Sarah Hilmer</b> , Sydney Medical School, University of Sydney, Kolling Institute and Royal North Shore Hospital <u>Assessing Medicines in Ageing Animals</u>
	<b>1.00pm</b>	<b>Lunch and Posters</b>
	<b>Charles Perkins Centre Symposium: Regulation of Ageing and Age-related Disease</b>	
	<b>1.45pm</b>	<b>Dr Sarah Mitchell</b> , Postdoctoral Fellow, Translational Gerontology Branch, National Institute of Aging, NIH (USA) <u>The study of longitudinal aging in mice (SLAM)</u>
	<b>2.15pm</b>	<b>Myung Jin Kang</b> (UNSW) <u>Regulation of lifespan by a potentially secreted uncharacterised DNA transposon</u>
	<b>2.30pm</b>	<b>Prof Greg Cooney</b> (University of Sydney) <u>Differences in insulin action in high starch and high fat fed obese mice</u>
	<b>2.45pm</b>	<b>Dr Alistair Senior</b> (University of Sydney) <u>Dietary restriction increases variability in longevity</u>
	<b>3.00pm</b>	<b>Prof Fiona Blyth</b> (University of Sydney) <u>Non-pharmacological treatments for pain in older people: the Senior ADAPT study</u>
	<b>3.15pm</b>	<b>Dr John O'Sullivan</b> (Heart Research Institute) <u>DMGV is a novel marker of liver fat and predicts future development of Type 2 Diabetes</u>
	<b>3.30pm</b>	<b>Afternoon Tea</b>
	<b>3.50pm</b>	<b>Professor David Raubenheimer</b> , Leonard P Ullmann Chair in Nutritional Ecology, Charles Perkins Centre, University of Sydney <u>Nutritional ecology and the evolution of ageing</u>
	<b>4.20pm</b>	<b>Dr Samantha Solon Biet</b> , NHMRC Early Career Fellow, School of Life and Environmental Sciences, The Centre for Education and Research on Ageing and Charles Perkins Centre, University of Sydney <u>Macronutrient balance in health and ageing</u>
	<b>4.50pm</b>	<b>Closing remarks: Professor Stephen Simpson</b> AC Academic Director, Charles Perkins Centre, University of Sydney

For program updates and further information please see website: <https://www.ageingbiologyaustralia.org/>