BIRAX UK-Israel

Healthy Ageing Conference

A cross-disciplinary brainstorming conference for the benefit of society

Wednesday-Thursday, Nov. 3-4, 2021
10:30-18:00 IL time / 8:30-16:00 UK time

Museum of Natural History
Tel Aviv University, Tel Aviv

Virtual & interactive platform - link will be shared with registrants

Plenary Lectures
Prof. Sarah Harper
Prof. Baroness Susan Greenfield

Sessions Include
Molecular Ageing, Ageing in Society, Age-Associated Diseases & Interventions, Quality of Life, Translating to the Future, Mechanisms & Models of Ageing

Registration opens October 1, 2021
sign up here >>

Chairs: Prof. Karen B. Avraham, Prof. Dame Linda Partridge, Prof. Peter St. George-Hyslop, Dr. Daniel Bar

Israel Academic Committee: Prof. Ehud Cohen, Prof. Illana Gozes, Dr. Mira Marcus-Kalish, Prof. Dov Shmotkin

UK Academic Committee: Prof. Sarah Harper, Prof. Karen Steel, Dr. Richard Siow
8:30-8:45 UK / 10:30-10:45 IL
- Avi Domb, Chief Scientist of the Israeli Ministry of Innovation, Science and Technology
- Dan Peer, Vice President for Research and Development, Tel Aviv University
- Dame Linda Partridge, Max Planck Institute for Biology of Aging, Cologne and UCL
- Karen B. Avraham, Vice Dean, Faculty of Medicine, Tel Aviv University

8:45-9:15 UK / 10:45-11:15 IL
PLENARY LECTURE
Chair: Mira Marcus-Kalish
Sarah Harper (University of Oxford)
Framing the problem: challenges of ageing

9:15-9:30 UK / 11:15-11:30 IL
His Excellency UK Ambassador Neil Wigan OBE
Stevie Spring CBE, Chairman, Board of Trustees, British Council

9:30-9:50 UK / 11:30-11:50 IL
COFFEE BREAK

Session 1: Age-Associated Diseases I
Chair: Richard Siow (KCL)
9:50-10:10 UK / 11:50-12:10 IL
- Illana Gozes (TAU) – A new look at Alzheimer’s disease: diagnosis and treatment toward healthy ageing
- Peter St. George-Hyslop (University of Cambridge)– Causes and molecular mechanisms of neurodegenerative diseases such as Alzheimer disease & Parkinson disease

10:30-10:50 UK / 12:30-12:50 IL
- Nir Giladi (TAU & TASMC) – The effect of ageing in Parkinson’s Disease

10:50-11:10 UK / 12:50-13:10 IL
- Johannes Attems (Newcastle University) - Multimorbidity of the ageing brain

11:10-12:00 UK / 13:10-14:00 IL
BREAK & LUNCH

Session 2: Tools to Examine Ageing
Chair: Maram Ganaiem (TAU)
12:00-12:20 UK / 14:00-14:20 IL
- Tunde Peto (QUB) & Dinah Zur (TASMC/TAU) - Algorithms for diagnosis and management of age-related macular degeneration (BIRAX Awardee) with Anat Loewenstein, TASMC/TAU
- Yaniv Assaf (TAU) - Microstructural MRI of the ageing brain (BIRAX Awardee with Heidi Johansen-Berg, University of Oxford)

12:20-12:40 UK / 14:20-14:40 IL
- James Stark (U Leeds) – History of age and aging
- Manuel Trajtenberg (TAU) – Socio-economic agenda

- Sharon Toker & Hadar Freidin (TAU) – Survival of the fittest? Older employees’ well-being

13:40-14:00 UK / 15:40-16:00 IL
- Dafna Hacker (TAU) – Inheritance law and the challenge of securing care in old age: A three-pronged solution

14:00-14:40 UK / 16:00-16:40 IL
MINGLING ON ZOOM – BREAKOUT SESSIONS & COFFEE

Session 3: Ageing in Society
Chair: Nati Blum (EMDA)
12:40-13:00 UK / 14:40-15:00 IL
- James Stark (U Leeds) – History of age and aging
- Manuel Trajtenberg (TAU) – Socio-economic agenda

13:40-14:00 UK / 15:40-16:00 IL
- Dafna Hacker (TAU) – Inheritance law and the challenge of securing care in old age: A three-pronged solution

14:00-14:40 UK / 16:00-16:40 IL
MINGLING ON ZOOM – BREAKOUT SESSIONS & COFFEE

Session 4: Regeneration
Chair: Omer Bender (TAU)
14:40-15:00 UK / 16:40-17:00 IL
- Eli Keshet (HUJI) - Vascular ageing, rejuvenation and healthspan extension (BIRAX Awardee with Manuel Mayr, KCL)
- Bjoern Neumann (University of Cambridge), Amnon Buxboim (HUJI) - Regenerative capacity of adult CNS progenitor cells (BIRAX Awardee with Robin Franklin, University of Cambridge)

15:00-15:20 UK / 17:00-17:20 IL
- Bjorn Neumann (University of Cambridge), Amnon Buxboim (HUJI) - Regenerative capacity of adult CNS progenitor cells (BIRAX Awardee with Robin Franklin, University of Cambridge)

15:20-15:40 UK / 17:20-17:40 IL
- Joao Pedro De Magalhaes (University of Liverpool) – The genetics of ageing

15:40-16:00 UK / 17:40-18:00 IL
- Anat Ben-Zvi (BGU) – The landscape of molecular chaperones is modulated in aging
- Valery Krizhanovsky (WIS) – Molecular mechanisms of senescence on the crossroads of cancer and aging
PLENARY LECTURE

Chair: Yossi Yovel (TAU)
Baroness Susan Greenfield, Founder & CEO of Neuro-Bio Ltd.

Alzheimer's Disease: New insights into the key brain mechanisms

Session 6: Quality of Life

Chair: Silvia Koton (TAU) (sponsored by Herczeg Institute)

9:00-9:20 UK / 11:00-11:20 IL
• Stephen Harridge (KCL) – Declining performance of athletes: the trajectory of healthy human ageing

9:20-9:40 UK / 11:20-11:40 IL
• Avi Ohry (TAU) – Premature ageing among young people with disabilities

9:40-10:00 UK / 11:40-12:00 IL
• Martin Hyde (Swansea U) – Quality of life, health inequalities, retirement and consumption in later life

10:00-10:10 UK / 12:00-12:10 IL
• Ludovico Carrino (KCL) – Early career talk - Should I care or should I work: how do pension policies affect older workers' wellbeing and intergenerational connections?

10:10-11:00 UK / 12:10-13:00 IL
BREAK & LUNCH

Session 7: Models of Ageing

Chair: Melissa Barber (KCL)

11:00-11:20 UK / 13:00-13:20 IL
• Karen Steel (KCL) – Deafness in humans & mice

• Itamar Harel (HUJI) – Exploring the genetics of ageing using a naturally short-lived vertebrate

11:40-12:00 UK / 13:40-14:00 IL
• Ehud Cohen (HUJI) – The orchestration of proteostasis across the organisms – what have we learned from the worm?

12:00-12:20 UK / 14:00-14:20 IL
• Uri Ashery (TAU) – Hyperbaric oxygen therapy alleviates vascular dysfunction and amyloid burden in an Alzheimer’s disease mouse model

12:20-13:10 UK / 14:20-15:10 IL
“Dance the moment” - Interactive workshop by Liron Bobasch, Founder of Flamenco dance initiative for people with Parkinson's and Alzheimer

Session 8: Molecular Ageing

Chair: Reut Bruck (HUJI)

13:10-13:30 UK / 15:10-15:30 IL
• Daniel Z. Bar (TAU) – Lamins, metabolism and ageing

13:30-13:50 UK / 15:30-15:50 IL
• Haim Cohen (BIU) – Sirtuins in ageing

13:50-14:10 UK / 15:50-16:10 IL
• Ehud Gazit (TAU) – Amyloid fibrils in metabolic disorders and neurodegenerative diseases

Session 9: More Age-Related Diseases

Chair: Noham Wolpe (TAU)

14:10-14:20 UK / 16:10-16:20 IL
• Melody Kasher (TAU, Gregory Livshits) – Early career talk - Shared genetic architecture between rheumatoid arthritis and varying osteoporotic phenotypes in the ageing population

14:20-14:40 UK / 16:20-16:40 IL
• Rivka Dresner-Pollak (HMC) - Age-related bone fragility in type 1 diabetes (BIRAX Awardee with Lynn Cox, University of Oxford)

14:40-15:00 UK / 16:40-17:00 IL
• Masashi Narita (University of Cambridge) & Ittai Ben-Porath (HUJI) - Cellular senescence, aging and diabetes (BIRAX Awardees)

Session 10: Translating to the future

Chair: Karen Avraham

15:00-15:20 UK / 17:00-17:20 IL
• Anne Schilder (UCL) - Clinical trials for hearing loss in elderly

15:20-15:40 UK / 17:20-17:40 IL
• Michael Marmot (UCL) – The impact of COVID-19 on “healthy ageing” over the next decade

• Concluding remarks