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**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**

In-person entry subject to Green  
Tag rules - proof of vaccination or  
covid test required and masks

## 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

## COFFEE BREAK

## Session 1: Age-Associated Diseases I

Chair: **Richard Siow** (KCL)

9:50-10:10 UK / 11:50-12:10

- **Illana Gozes** (TAU) – *A new look at Alzheimer's disease: diagnosis and treatment toward healthy ageing*

10:10-10:30 UK / 12:10-12:30

- **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 & TSMC) – *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 Ganaem** (TAU)

12:00-12:20 UK / 14:00-14:20 IL

- **Tunde Peto** (QUB) & **Dinah Zur** (TSMC/TAU) –

*Algorithms for diagnosis and management of age-related macular degeneration* (BIRAX Awardee) with **Anat Loewenstein**, TSMC/TAU

12:20-12:40 UK / 14:20-14:40 IL

- **Yaniv Assaf** (TAU) – *Microstructural MRI of the ageing brain* (BIRAX Awardee with **Heidi Johansen-Berg**, University of Oxford)

## 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*

13:00-13:20 UK / 15:00-15:20 IL

- **Manuel Trajtenberg** (TAU) – *Socio-economic agenda*

13:20-13:40 UK / 15:20-15:40 IL

- **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 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)

15:00-15:20 UK / 17:00-17:20 IL

- **Bjoern Neumann** (University of Cambridge), **Amnon Buxboim** (HUJI) – *Regenerative capacity of adult CNS progenitor cells* (BIRAX Awardee with **Robin Franklin**, University of Cambridge)

## Session 5: Mechanisms of Ageing

Chair: **Danielle Galber** (TAU)

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*

16:00-16:20 UK / 18:00-18:20 IL

- **Valery Krizhanovsky** (WIS) – *Molecular mechanisms of senescence on the crossroads of cancer and aging*



# BIRAX UK-Israel "Healthy Ageing" Conference

A cross-disciplinary brainstorming conference for the benefit of society

8:30-9:00 UK / 10:30-11:00 IL

## 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*

11:20-11:40 UK / 13:20-13:40 IL

- **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



12:30-13:10 UK / 14:30-15:10 IL

## MINGLING ON ZOOM – BREAKOUT SESSIONS & COFFEE

## 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

- **Lynn Cox** (University of Oxford) – *Age-related bone fragility in type 1 diabetes* (BIRAX Awardee with **Rivka Dresner-Pollak** (HMC))

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** (TAU)

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

- **Sir Michael Marmot** (UCL) – *The impact of COVID-19 on "healthy ageing" over the next decade*
- Concluding remarks