Long-term changes in life expectancy and fertility have converted many countries into ageing societies. Failure to adapt to population ageing may constrain productivity, well-being, financial security, and equity, and may increase tensions between generations as they compete for limited resources. The problems involved and strategies to address these concerns, regarding current as well as future elders, require a multidisciplinary approach. The first International Feltrinelli Conference, supported by the Lincei Academy’s Fondo «Antonio Feltrinelli» and by SAPEA (Science Advice for Policy of the European Academies), is dedicated to reviewing and discussing the multifaceted aspects of the ageing process, from basic science to policy advice.

**Programme**

**Monday, 4 November**

9.30 Welcome address by Giorgio PARISI, President of the Accademia Nazionale dei Lincei

9.40 Carlo PATRONO (Lincei Fellow, Catholic University, Rome) and Garret FITZGERALD (Lincei Fellow, University of Pennsylvania, Philadelphia), *Introduction*

**Session 1 - Basic and Clinical Science of the Ageing Process**

Chairs: Garret FITZGERALD and Alberto MANTOVANI

10.00 Claudio FRANCESCHI (University of Bologna), *Inflammageing: chronic inflammation in ageing, cardiovascular disease, and frailty*

10.45 Garret FITZGERALD (Lincei Fellow, University of Pennsylvania, Philadelphia), *Circadian clocks and metabolism: implications for microbiome and ageing*

11.30 Coffee break

11.45 Alberto MANTOVANI (Lincei Fellow, Humanitas University, Milan), *Ageing, inflammation and cancer*

12.30 Maurizio BRUNORI (Lincei Fellow, Sapienza University of Rome), *Protein misfolding in neurodegenerative diseases*

13.15 Lunch break
14.30 Lamberto MAFFEI (Lincei Fellow, CNR Institute of Neurosciences – Scuola Normale Superiore, Pisa), Environmental enrichment to enhance brain plasticity: from murine models to man
15.15 Nick van BRUGGEN (Calico, San Francisco), Improving the healthspan: from model systems to human data at scale
16.00 Coffee break
16.15 Jan van DEURSEN (Mayo Clinic, Rochester, USA), Cellular senescence in aging and age-related diseases
17.00 Steve HORVATH (UCLA, Los Angeles), Epigenetics of aging

TUESDAY, 5 NOVEMBER

9.30 George GRIFFIN (President of FEAM, Brussels - St. George's, University of London), Welcome and introduction

Session 2 - The SAPEA Evidence Review Report Transforming the Future of Ageing
Chairs: Diana KUH and Rose Anne KENNY

with the contribution of

9.45 Jean-Pierre MICHEL (University of Geneva), Setting the scene: an introduction to the SAPEA Evidence Review Report Transforming the Future of Ageing
10.15 Diana KUH (University College London), Life course determinants of healthy ageing
11.00 Coffee break
11.15 Liat AYALON (Bar-Ilan University, Ramal-Gan, Israel), Ageing as an opportunity
12.00 Rose Anne KENNY (Trinity College Dublin), Age-friendly approach in communities and care facilities
12.45 Lunch break
14.00 Carlo PATRONO (Lincei Fellow, Catholic University, Rome), Early and mid-life interventions to favour healthy ageing
14.45 Alan GOW (Heriot-Watt University, Edinburgh), Cognitive decline: protective factors from across the life course
15.30 Jean-Pierre MICHEL (University of Geneva), Recruiting, educating and sustaining health care workforce in EU
16.15 Coffee break
16.30 Richard REILLY (Trinity College Dublin), Technology to support healthy ageing and well-being
17.15 Jean-Pierre MICHEL (University of Geneva), A final assessment of the SAPEA Evidence Review Report Transforming the Future of Ageing and policy options: feasibility and timeliness
WEDNESDAY, 6 NOVEMBER

9.00 Maurizio BRUNORI (Lincei Fellow, Sapienza University of Rome), Welcome and introduction

9.10 Francis C. WELLS (University of Cambridge), Special Lecture: Leonardo and ageing: words and images

Session 3 - Challenges and Opportunities for the Ageing Society in Italy
Chairs: Carlo PATRONO and Jean-Pierre MICHEL

9.45 Massimo CACCIARI (Lincei Fellow, Vita-Salute San Raffaele University, Milan), A philosophical perspective on the ageing society

10.15 Tito BOERI (Bocconi University School of Economics, Milan), Immigration, labour market, and sustainability of the social-security system of an ageing society

10.45 Coffee break

11.00 Massimo INGUSCIO (Lincei Fellow, President of CNR-National Research Council, Rome), Initiatives and research projects of the National Research Council in the field of ageing

11.30 Alessandro CAVALLI (Lincei Fellow, University of Pavia), Housing and social relations in an ageing population

12.00 Stefania MAGGI (CNR Institute of Neurosciences, Aging Branch, Padua), The role of the European Geriatric Medicine Society in promoting healthy ageing

12.30 General discussion

13.00 Carlo PATRONO (Lincei Fellow, Catholic University, Rome) and Jean-Pierre MICHEL (University of Geneva), Closing remarks

VENUE OF THE MEETING
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