



ACCADEMIA NAZIONALE DEI LINCEI

INTERNATIONAL ANTONIO FELTRINELLI CONFERENCE

AGEING: from Basic Science to Policy Advice

Rome, 4 - 6 November 2019

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 Antonio 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.

ORGANIZING COMMITTEE: Carlo PATRONO, CHAIR (Lincei Fellow, Catholic University, Rome), Jean-Pierre MICHEL, CO-CHAIR (University of Geneva), Garret FITZGERALD (Lincei Fellow, University of Pennsylvania, Philadelphia), Francesco CLEMENTI (Lincei Fellow, University of Milan).

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, I

Chairs: Garret FITZGERALD (Lincei Fellow, University of Pennsylvania, Philadelphia) and Alberto MANTOVANI (Lincei Fellow, Humanitas University, Milan)

- 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 (Lincoln Fellow, Humanitas University, Milan), *Ageing, inflammation and cancer*
- 12.30 Maurizio BRUNORI (Lincoln Fellow, Sapienza University of Rome), *Protein misfolding in neurodegenerative diseases*
- 13.15 Lunch break

Session 2 - Basic and Clinical Science of the Ageing Process, II

Chairs: Francesco CLEMENTI (Lincoln Fellow, University of Milan) and
Jan VAN DEURSEN (Mayo Clinic, Rochester, USA)

- 14.30 Lamberto MAFFEI (Lincoln 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 ageing and age-related diseases*
- 17.00 Steve HORVATH (UCLA, Los Angeles), *Epigenetics of ageing*
- 17.45 End of session

TUESDAY, 5 NOVEMBER

Session 3 - The SAPEA Evidence Review Report *Transforming the Future of Ageing, I*

Chairs: Diana KUH (University College London) and
Giovanni GAMBASSI (Catholic University, Rome)

with the contribution of



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- 9.30 George GRIFFIN (St. George's, University of London), President of FEAM, *Welcome and introduction*
- 9.45 Jean-Pierre MICHEL (University of Geneva), Chairperson of the Report, *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, Ramat-Gan), *Ageing as an opportunity*
- 12.00 Rose Anne KENNY (Trinity College Dublin), *Age-friendly approach in communities and care facilities*
- 12.45 Lunch break

Session 4 - The SAPEA Evidence Review Report *Transforming the Future of Ageing, II*

Chairs: Rose Anne KENNY (Trinity College Dublin) and
Stefania MAGGI (CNR Institute of Neurosciences, Padua)

- 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 Roundtable discussion chaired by George GRIFFIN and Jean-Pierre MICHEL
- 17.30 End of session

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 5 - Challenges and Opportunities for the Ageing Society in Italy

Chairs: Carlo PATRONO (Lincei Fellow, Catholic University, Rome) and
Jean-Pierre MICHEL (University of Geneva)

- 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 the 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, 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

Accademia Nazionale dei Lincei
Palazzo Corsini, Via della Lungara 10
Rome

MEETING SECRETARIAT

Pina Moliterno
phone +39 06 6802 7537
pina.moliterno@lincei.it