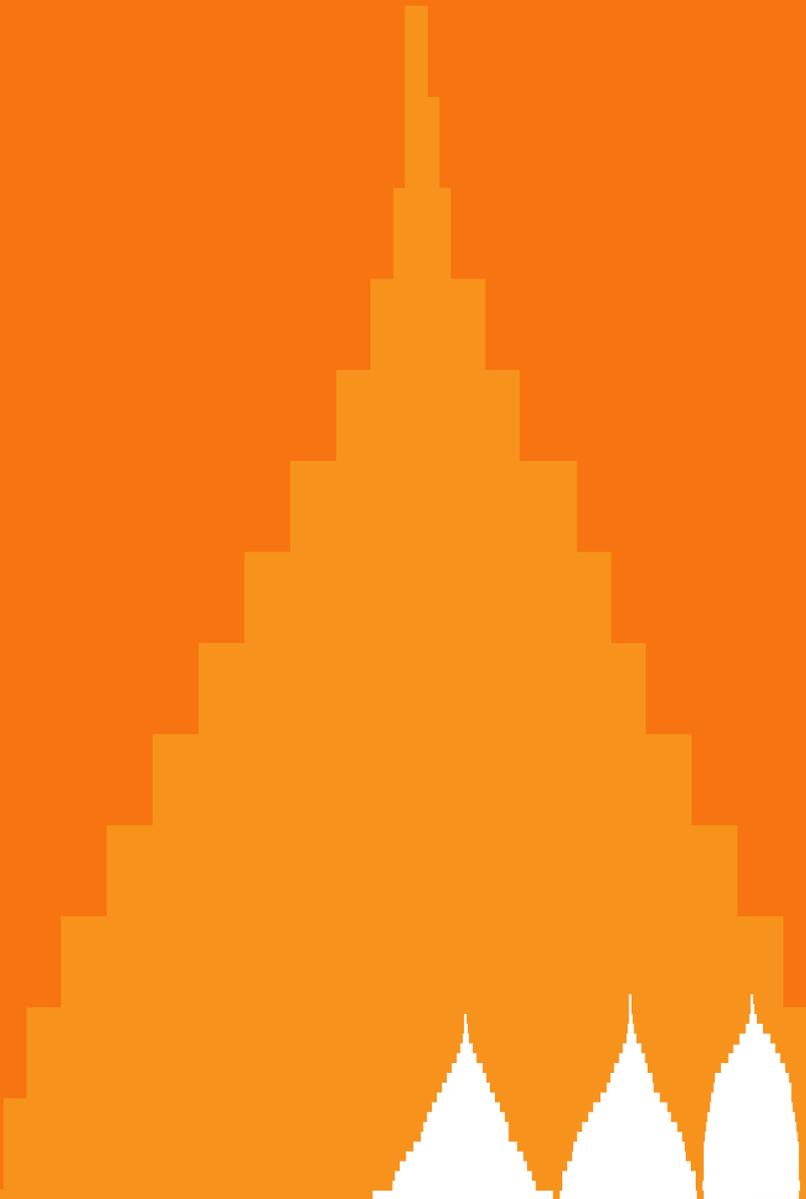


FACULTY OF HEALTH SCIENCES
UNIVERSITY OF COPENHAGEN



Programme



AGEING
LONGEVITY
AND HEALTH

IARU CONGRESS
5-7 OCTOBER 2010
COPENHAGEN DENMARK



INTERNATIONAL ALLIANCE OF
RESEARCH UNIVERSITIES

Programme



IARU CONGRESS
5-7 OCTOBER 2010
COPENHAGEN DENMARK

Organised and sponsored by

The University of Copenhagen, Faculty of
Health Sciences and the Copenhagen Center
for Healthy Aging

Venue:
Congress Center Borupgaard
Nørrevej 80
3070 Snekkersten
Denmark

The IARU "Aging, Longevity and Health" project
is co-founded by Peking University and the
University of Copenhagen

Monday, October 4

Congress Center Borupgaard, Snekkersten, Denmark

From approx. 14.00 p.m.

For participants registered to stay at the Congress Center from October 4
Hotel check in at the Congress Center Borupgaard, Snekkersten, Greater Copenhagen

Tuesday, October 5

Congress Center Borupgaard, Snekkersten, Denmark

From approx. 12.00-1.30 p.m.

For participants registered to stay at the Congress Center from October 5
Hotel check in at the Congress Center Borupgaard, Snekkersten, Greater Copenhagen

1.45 p.m.

For participants registered to stay at the Congress Center from October 5
Bus available from Congress Center Borupgaard, Snekkersten, to Central Copenhagen, Panum Institute, Faculty of Health Sciences, University of Copenhagen

Please meet Ms. Line Damberg at the Congress Center reception at 1.40 at the latest (she will guide you to the bus)

**NOTE concerning all presentations during the IARU Congress 5-7 October 2010:
The time indicated in the program for each presentation includes 5 min. discussion,
except for the presentations of 5-10 min.**

Tuesday, October 5

- Dam Auditorium, Panum Institute, Faculty of Health Sciences, University of Copenhagen, Blegdamsvej 3b, DK-2200 Copenhagen N
 - Ceremonial Hall, University of Copenhagen, Frue Plads 4, Copenhagen
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2.00-3.00 p.m. Registration for IARU Congress participants at the registration desk next to the Dam Auditorium

3.00-6.05 p.m. Keynote Speaker Session, Dam Auditorium, Panum Institute

3.00-3.20 p.m. Welcome by Dean Ulla Wewer, Faculty of Health Sciences, University of Copenhagen
Opening Speech by Rector Ralf Hemmingsen, University of Copenhagen, a IARU president

Chair of Keynote Speaker Session: Professor Vilhelm Bohr, NIA, NIH, USA

3.20-3.40 p.m. Speech by Professor Povl Riis, Age Forum, Denmark
Research in Aging and Gerontology: Target Centred Methodology, Adjusted Research Ethics, and Clinical Relevance

3.40-4.00 p.m. Speech by Associate Professor Bernard Jeune, Southern Denmark University, Denmark
Are We Living both Longer and Better?

4.00-4.50 p.m. Keynote Speech by Professor George Martin, University of Washington, USA
Nature, Nature and Chance: Their Relative Contributions to Intra-Specific versus Inter-Specific Variations in Life Span and Health Span

4.50-5.05 p.m. Short break

5.05-5.50 p.m. Keynote Speech by Professor Jan Vijg, Albert Einstein College of Medicine, NY, USA
Genome Dynamics in Aging

5.50-5.55 p.m. Speech by Professor and Managing Director Lene Juel Rasmussen, Copenhagen Center for Healthy Aging (CEHA), University of Copenhagen, Denmark
Introduction to the Copenhagen Center for Healthy Aging

5.55-6.05 p.m. IARU Exhibition: Opening Speech by Professor Thomas Söderqvist, Medical Museion, University of Copenhagen, Denmark
Healthy Ageing on the Art-Science Interface

6.05-6.40 p.m. Reception - Drinks and snacks will be served

6.40 p.m. **For participants registered for dinner in the Ceremonial Hall:**
Bus available from Panum Institute, Faculty of Health Sciences, University of Copenhagen to the Ceremonial Hall, Frue Plads 4, University of Copenhagen

Please contact Ms. Line Damberg or Mr. Mikael Kjærsgaard Møller who will guide you to the bus for the Ceremonial Hall.

From 7.15 p.m. **For participants registered for dinner:**
Dinner in the Ceremonial Hall, University of Copenhagen
Hosted by Rector Ralf Hemmingsen, University of Copenhagen, IARU President

- Welcome by Rector Ralf Hemmingsen; University of Copenhagen
- Dinner Speech by Mayor for Health Ninna Thomsen, Town Hall of Copenhagen
- Dinner Speech by Professor Barry Halliwell, NUS, Singapore
- Dinner Speech by Professor Tone Tønjum, Oslo University, Norway

Approx. 11.00 p.m. **For participants registered to stay at the Congress Center on the night October 5:**
Bus transportation from the Ceremonial Hall, University of Copenhagen, to the Congress Center Borupgaard, Snekkersten.

Wednesday, October 6

Congress Center Borupgaard, Snekkersten, Greater Copenhagen

7.00-10.00 a.m. Breakfast

7.30-8.30 a.m. Registration at the registration desk at Auditorium A

8.30-9.45 a.m. Speaker Session 1: Neuroscience and DNA damage

Chair: Professor Bohr, Vilhelm

8.30-8.55 a.m. *The Impact of DNA Damage on Various Aspects of Ageing in Mammals*
By Professor Hoeijmakers, Jan, Erasmus MC, The Netherlands

8.55-9.20 a.m. *Mice Lacking the NEIL3 Gene Display Alterations at Excitatory and Inhibitory Synapses within the Hippocampal Formation*
By Professor Bergersen, Linda Hildegard, University of Oslo, Norway

9.20-9.45 a.m. *Mechanisms of Age-related Instability in the Brain: The Role of Oxidation*
By Professor McMurray, Cynthia, Berkeley Lab, UC Berkeley, USA

Coffee break

10.15-11.55 a.m. Speaker Session 2: Aging and Stress

Chair: Professor Rasmussen, Lene Juel

10.15-10.40 a.m. *Role of DNA Repair in Suppressing or Causing Disease*
By Professor Samson, Leona, Massachusetts Institute of Technology, USA

10.40-11.05 a.m. *Neurogenetics of Aging and Alzheimer Disease: Impact of DNA Repair*
By Professor Tonjum, Tone, Oslo University, Norway

11.05-11.30 a.m. *Getting the Diagnosis Right - Current Clinical Research in Alzheimer's Disease*
By Professor Waldemar, Gunhild, Rigshospitalet, Denmark

11.30-11.55 a.m. *Brain Energy Metabolism in Healthy Aging*
By Professor Gjedde, Albert, University of Copenhagen, Denmark

12.00 Lunch in the restaurant

1.30-3.10 p.m. Speaker Session 3: Life Course

Chair: Professor Avlund, Kirsten

1.30-1.55 p.m. *The Remarkable Plasticity of Aging*
By Professor Christensen, Kaare, University of Southern Denmark, Denmark

1.55-2.20 p.m. *Cognitive Health in Later Life: Normal Aging Trajectories, Decline related to Dementia, and Survival*
By Professor Johansen, Boo, University of Göteborg, Sweden

2.20-2.45 p.m. *A Life Course Approach to Ageing: Recent Findings from the MRC National Survey of Health and Development and Other UK Cohort Studies*
By Professor Kuh, Diana, MRC Unit for Lifelong Health and Ageing, London, UK

2.45-3.10 p.m. *Cognitive Ageing and Cognitive Epidemiology in the Lothian Birth Cohorts of 1921 and 1936*
By Professor Deary, Ian, University of Edinburgh, Scotland

Coffee break

3.40-6.00 p.m. Speaker Session 4: Environmental Factors & Neuroscience

Chairs: Professor Halliwell, Barry & Lauritzen, Martin

- 3.40-4.05 p.m. *Mid-life Predictors of Short-term Cognitive Decline and Dementia in Later Life*
By Professor Anstey, Karin, Australian National University, Australia
- 4.05-4.30 p.m. *What Kinds of Policy Challenge does Population Ageing Generate for Health Care Systems?*
By Senior Research Fellow, Howse, Kenneth, University of Oxford, UK
- 4.30-4.55 p.m. *Chronic Exposure to Low Dose Rates of Ionizing Radiation Induces Premature Senescence in Cultured Primary Human Cells*
By Professor Harms-Ringdahl, Mats, Stockholm University, Sweden
- 4.55-5.20 p.m. *Caenorhabditis Elegans as a Model System for Ageing*
By Professor Halliwell, Barry, National University of Singapore
- 5.20-5.35 p.m. *Healthy Aging Attenuates Task-related Specialization in the Human Medial Temporal Lobe*
By Professor Siebner, Hartwig, Hvidovre Hospital, Denmark
- 5.35-6.00 p.m. *The Health Life Expectancy in China — Based on the National Survey on Disability*
By Professor Zheng, Xiaoying, Peking University, China
- 6.30 p.m. Dinner in Restaurant Borupgaard (ground floor)

8.00-9.15 p.m. Speaker Session 5: Muscle and Life Span

Chair: Professor Kjær, Michael

- 8.00-8.25 p.m. *Ageing of the Neuromuscular System*
By Professor Schiaffino, Stefano, Venetian Institute of Molecular Medicine, Padova, Italy
- 8.25-8.50 p.m. *Aging and Sarcopenia*
By Professor Nair, K. Sreekumaran, Mayo Clinic, Minnesota, USA
- 8.50-9.15 p.m. *The Embodiment of Age*
By Professor Twigg, Julia, University of Kent, UK
- From 9.15 p.m. Bar available until 1.00 a.m.

Thursday, October 7

Congress Center Borupgaard, Snekkersten, Greater Copenhagen

- 7.00-10.00 a.m. Breakfast
- 7.30-8.30 a.m. Registration at the registration desk at Auditorium A
- 8.30-10.05 a.m. Speaker Session 6: Life Span and Mechanisms**
Chair: Associate Professor Mortensen, Erik Lykke
- 8.30-8.55 a.m. *Regulation of Human Life Histories*
By Professor Westendorp, Rudi, Leiden University Medical Center, The Netherlands
- 8.55-9.20 a.m. *Mitochondria to Nucleus Cross Talk in Aging and Cancer*
By Professor Singh, Keshav, Roswell Park Cancer Institute, NY, USA
- 9.20-9.35 a.m. *Induction of Premature Aging by Perturbed Replication at Endogenous DNA Damage*
By Professor de Wind, Niels, Leiden University Medical Center, The Netherlands
- 9.35-9.50 a.m. *Measures of Longevity: Time Trends and Record Values*
By Associate Professor Canudas, Vladimir Romo, University of Copenhagen
- 9.50-10.05 a.m. *Gendered Trajectories of Functional Health: 20 Years Longitudinal Study*
By Professor Akiyama, Hiroko, University of Tokyo, Japan
- Coffee break
- 10.40-11.55 a.m. Speaker Session 7: Research in CEHA**
Chair: Professor Samson, Leona
- 10.40-10.55 a.m. *Interdisciplinary Aging Research*
By Professor Rasmussen, Lene Juel, University of Copenhagen, Denmark
- 10.55-11.10 a.m. *Ageing and New Health-related Roles and Identities*
By Associate Professor Otto, Lene, University of Copenhagen, Denmark
- 11.10-11.25 a.m. *Predictors of Cognitive Decline during the Lifespan from 50 to 90*
By Associate Professor Mortensen, Erik Lykke, University of Copenhagen, Denmark
- 11.25-11.40 a.m. *Unexplained Fatigue in Older Adults – an Early Sign of Frailty?*
By Professor Avlund, Kirsten, University of Copenhagen, Denmark
- 11.40-11.55 a.m. *The Role of Preventive Medication for Healthy Aging – a Major Challenge for Health Policy, Health Services and Patients*
By Professor Krasnik, Allan, University of Copenhagen, Denmark
- 12.00 Lunch in the restaurant

2.00-3.15 p.m. Speaker Session 8: Research in CEHA

Chair: Professor Vijg, Jan

2.00-2.15 p.m. *Glucose Homeostasis and Mitochondrial Respiration in Aging*
By Professor Dela, Flemming, University of Copenhagen, Denmark

2.15-2.30 p.m. *Skeletal Muscle and Matrix Loss with Aging*
By Professor Kjaer, Michael, University of Copenhagen, Denmark

2.30-2.45 p.m. *The Relation of Brain Blood Flow and Oxygen Consumption to Neuronal Signaling in Rodent Cerebral Grey Matter*
By Professor Lauritzen, Martin, University of Copenhagen, Denmark

2.45 – 3.00 p.m. *Genome Instability and its Role in Aging and Age-Related Disease*
By Professor Hickson, Ian D., University of Copenhagen/University of Oxford, Denmark/UK

3.00-3.15 p.m. *DNA Repair and Neurodegeneration*
By Professor Bohr, Vilhelm, National Institutes of Health, USA

Coffee break

3.45-6.15 p.m. Poster Session

From 6.30 p.m. Banquet in Borupgårdsalen (1st floor)

Bus transportation available from Congress Center Borupgaard, Snekkersten, to Central Copenhagen.
Three stops – at Hellerup Station, Nørreport Station and the Copenhagen Central Station (Hovedbanegården)