

E-CONFERENCE PROGRAMME

DAY 1, June 3, 2020

12.00 - 13.00 Welcome messages and greetings (video):

Professor Mirjana Kujundžić Tiljak, Director of the Andrija Štampar School of Public Health, School of Medicine, University of Zagreb, President of the BFHA2020 Organizing Committee

Professor Marijan Klarica, Dean of the School of Medicine, University of Zagreb, President of the BFHA2020 Steering Committee

Academician Željko Reiner, Vice-President of the Croatian Parliament, President of the BFHA2020 Scientific Committee

Krešimir Luetić, PhD, President of the Croatian Medical Chamber

Professor Željko Krznarić, President of the Croatian Medical Association

Professor Damir Boras, Rector of the University of Zagreb

Professor Blaženka Divjak, Minister of Science and Education of the Republic of Croatia

Professor Vesna Bedeković, Minister of Demography, Family, Youth and Social Policy of the Republic of Croatia

Marko Pavić, Minister of Regional Development and EU Funds

Gordan Grlić Radman, Minister of Foreign and European Affairs of the Republic of Croatia

Professor Vili Beroš, Minister of Health of the Republic of Croatia and the Envoy of the Prime Minister of the Republic of Croatia Mr. Andrej Plenković

Dr Hans Kluge, WHO Regional Director for Europe

Dubravka Šuica, Vice-President of the European Commission for Democracy and Demography

Demographic Challenges for Ageing Societies in the EU

KEYNOTE SPEAKERS

Chairpersons: Professor Marijan Klarica, Academician Željko Reiner, Professor Miloš Judaš

Moderators: Danko Relić, MD, Assistant Professor Tea Vukušić Rukavina

- 13.05 - 13.25 **Professor Josep Figueras, MD, MPH, PhD, Director of the WHO European Observatory on Health Systems and Policies**
Population ageing: end of the welfare state or economic opportunity?
Evidence and policy options for healthy & active ageing
The WHO Healthy Ageing Decade (2020 – 2030)
- 13.25 - 13.45 **Professor Ilaria Bellantuono MD, PhD, Academic Unit of Bone Biology, University of Sheffield, Medical School Sheffield, United Kingdom**
Geroprotectors: time to change the way we take care of older people?
- 13.45 - 14.05 **Professor Zoran Đogaš MD, PhD, University of Split, School of Medicine**
Importance of Sleep for Healthy Ageing - Impact of Sleep Disordered Breathing
- 14.05 - 14.25 **George Vradenburg, Chairman of Us Against Alzheimer's, The United States of America**
Confronting the Dementia Pandemic: A World Economic Forum and Global CEO Initiative on Alzheimer's Disease
- 14.25 - 14.35 Discussion
- 14.35 - 14.45 Break

Theme A **Ageing of Biological Systems**

14.45 - 16.00 Session 1 A **Changing Pathology of Ageing Society**

Chairpersons: Professor Davor Ježek, Professor Sven Seiwerth

Moderator: Danko Relić, MD

INVITED SPEAKERS

Ambrogio Fassina,

Dpt of Medicine, Section of Pathology,
University of Padova, Italy (15 min)

Evolving needs in pathology education

Claude Cuvelier,

Pathology Department, Ghent
University, Belgium (15 min)

Changing Pathology of Ageing Society

The Joint Programme for Neurodegenerative Diseases (JPND),
towards a globally shared Brain Health -Philippe Amouyel (8 min)

Healthy aging in men: how to prevent andropausal syndrome? -
Davor Ježek (8 min)

Representative model of sporadic Alzheimer's disease and its use
for testing of novel therapeutic strategies - Melita Šalković-
Petrišić (8 min)

Discussion and summary conclusions (20 min)

16.00 - 16:05 Break

16.05 - 17.05 Session 2 A **Molecular Basis of Ageing**

Chairpersons: Professor Dinko Mitrečić, Professor Dan Ehninger

Moderator: Associate Professor Iskra Alexandra Nola

INVITED SPEAKER

Professor Dan Ehninger,

German Center for
Neurodegenerative
Diseases, Germany (15 min)

High capability of human prefrontal cortex microcircuitry to maintain its
structure during aging- Zdravko Petanjek (8 min)

Antioxidant ameliorated negative impact of a DNA-demethylating agent on
placental growth and morphology of aged preterm placentas - Floriana
Bulić-Jakuš (8 min)

Lifespan and healthspan in mice: mechanisms and interventions	Glycans as biomarkers and functional effectors of age and age-related diseases – Gordan Lauc (8 min) Discussion and summary conclusions (20 min)
17.05 - 17.10 Break	
17.10 - 18.10 Session 3 A Ischemic, Hypoxic, Hemorrhagic Brain Disorders & Ageing Chairpersons: Professor Zoran Đogaš, Ivana Rozenzweig, MD, PhD Moderator: Assistant Professor Tea Vukušić Rukavina	
INVITED SPEAKER Ivana Rozenzweig, MD, PhD King's College, UK (15 min) Idiopathic Rapid Eye Movement Behaviour Disorder	Obstructive sleep apnea assessment in the elderly - Renata Pecotić (8 min) I forgot to sleep - Domagoj Vidović (8 min) REM behavior disorder and neurodegenerative disorders - Ana Marija Šantić (8 min) Discussion and summary conclusions (20 min)
18.10 - 18:15 Break	
18.15 - 19.15 Session 4 A Neuroscience and Neurodegenerative Disorders and Ageing Chairpersons: Professor Monica DiLuca, Professor Fran Borovečki Moderator: Professor Dinko Mitrečić	
INVITED SPEAKER Professor Monica DiLuca, PH.D , University of Milano, Italy; European Brain Council, Belgium (15 min) The impact of neuroscience Research in Europe for Healthy Aging	Genes and mechanisms modulating ageing and neurodegeneration derived from studying Down syndrome - Dean Nižetić (8 min) The ALZENTIA system: a sensitive non-invasive hidden-goal test for early cognitive impairment screening - Goran Šimić (8 min) Genomic diagnostics in patients with neurodegenerative diseases - Fran Borovečki (8 min) Discussion and summary conclusions (20 min)
19.15 - 19.20 Break	
19.20 - 20.20 Session 5 A Good Clinical Practices for the Improvement of the Age Related Diseases Chairpersons: Alapana Mair, Professor Nada Božina Moderator: Assistant Professor Milan Milošević	
INVITED SPEAKER Alapana Mair , Effective Prescribing and Therapeutics for the Scottish Government (15 min) Good Clinical Practices for the Improvement of the Age Related Diseases	Early intervention optimizes long-term treatment results in patients with inflammatory rheumatic diseases - Branimir Anić (8 min) Pharmacogenomics - A Promising Tool For Elderly Patients On Polytherapy - Nada Božina (8 min) International networking and clinical practice in neurodegenerative diseases - Ervina Bilić (8 min) Discussion and summary conclusions (20 min)

DAY 2, June 4, 2020

11.50 – 12.00 Student poster session

KEYNOTE SPEAKERS

Chairpersons: Professor Stjepan Orešković, Professor Mirjana Kujundžić Tiljak

Moderator: Danko Relić, MD, Assistant Professor Tea Vukušić Rukavina

- 12.00 - 12.20 **Professor John Middleton, President of ASPHER (The Association of Schools of Public Health in the European Region)**
Public Health Challenges for Healthcare Systems in Ageing Societies – Dying Young as Old as Possible
- 12.20 - 12.40 **Professor Leandro Pecchia, University of Warwick, United Kingdom**
The Impact of Smart Technologies in the Future of Healthy Ageing
- 12.40 - 12.50 Discussion
- 12.50 - 12.55 Break

Theme B Smart Technologies for Age Friendly Ecosystems

12.55 - 13.55 Session 1 B **IT Technologies in the Service of Healthy Ageing**

Chairpersons: Professor Ratko Magjarević, Assistant Professor Goran Sedmak

Moderator: Andrija Štajduhar, PhD

INVITED SPEAKER

Giuseppe Fico, Life Supporting Technologies, Spain (15 min)

IT Technologies in the Service of Healthy Ageing

Not “the computer” but “the place”: designing and evaluating future ambient spaces for improved quality of life in the elderly - John Waterworth (8 min)

Potential of accessible website for elderly - case study research - Željka Car (8 min)

Determining the parameters of healthy ageing using automated neuron-level analysis of the laminar structure of the human brain - Andrija Štajduhar (8 min)

Discussion and summary conclusions (20 min)

13.55 - 14.00 Break

14.00 - 15.00 Session 2 B **Modern Urban Planning in the Service of Healthy Ageing**

Chairpersons: Associate Professor Ksenija Vitale, Julia Wadoux

Moderator: Marko Marelić, MSc

INVITED SPEAKER

Julia Wadoux, AGE Platform Europe (15 min)

Modern Urban Planning in the Service of Healthy Ageing

Social design for healthy ageing - Ivana Fabrio (8 min)

Inclusive design (for ageing population) - Sanja Bencetić (8 min)

Green and Healthy Cities - Environmental exposures and Urban Design for Healthy Longevity - Agnieszka Olszewska-Guizzo (8 min)

Healthy Urban Planning for a Better Future for Healthy Aging - Healthy Urban Planning, The Croatian Healthy Cities Network, and City of Vinkovci (RH) - Mandica Sanković (8 min)

Discussion and summary conclusions (20 min)

15.00 - 15.05 Break

15.05 - 16.05 Session 3 B **The Role of IT Companies in the Innovation Practices for Healthy Ageing**

Chairpersons: Rain Laane, Professor Stjepan Orešković

Moderator: Assistant Professor Slavica Sović

INVITED SPEAKER

Rain Laane, Chairman of the Management Board / CEO, Estonian Health Insurance Fund, Estonia (15 min)

The Role of IT Companies in the Innovation Practices for Healthy Ageing

Health, social and financial consequences of the application of AI, ML and digital health - Going far beyond the traditional healthcare system

- Stjepan Orešković, Mario Ravić (8 min)

Humanoid Robots as Assistants in Healthy Ageing - Zdenko Kovačić (8 min)

Simulating and comparing the effects of preventive programmes: an application example on fall risk reduction - Sabato Mellone (8 min)

Discussion and summary conclusions (20 min)

16.05 - 16.10 Break

16.10 - 17.10 Session 4 B **Mobile Technologies and Primary Healthcare**

Chairpersons: Assistant Professor Antonija Balenović, Maddalena Illario, MD, PhD

Moderator: Danko Relić, MD

INVITED SPEAKER

Venet Osmani, Fondazione Bruno Kessler Research Institute, University of Trento, Italy (15 min)

Mobile Technologies and Primary Healthcare

Set up of an ecosystem for the digital transformation of health and care: Campania experience (8 min) - Maddalena Illario

EU project for innovative active and healthy aging- City of Zagreb - Antonija Balenović (8 min)

Bridging the digital divide – ICT for older people in Rijeka - Jadran Mandekić (8 min)

Discussion and summary conclusions (20 min)

17.10 - 17.15 Break

17.15 - 18.15 Session 5 B **Computer Technologies in Healthcare System, Organisation and Healthy Ageing**

Chairpersons: David Mendes, Professor Zdenko Sonicki

Moderator: Marko Marelić, MSc

INVITED SPEAKER

David Mendes, Universidade de Évora, Portugal (15 min)

Intelligent and Explainable Shareable Clinical Pathways

Interprofessional educational intervention in dementia care - Lea Pfaeffel (8 min)

Commitment to Global Strategy and Action Plan on Ageing and Health - Branko Kolarić (8 min)

"OŽIVI ME" – From a student initiative to national campaign - Ivana Portolan Pajić, Filip Glavač, Monika Tomas (8 min)

Discussion and summary conclusions (20 min)

18.15 – 18.30 Poster Awards

18.30 – 19.30 Poster session

DAY 3, June 5, 2020

11.50 – 12.00 Student poster session

KEYNOTE SPEAKERS

Chairpersons: Assistant Professor Sanja Musić Milanović, Professor Antoinette Kaić-Rak

Moderator: Danko Relić, MD, Assistant Professor Tea Vukušić Rukavina

- 12.00 - 12.20 **Dr João Breda, Head of the WHO European Office for the Prevention and Control of Noncommunicable Diseases**
Epidemiological Trends in Noncommunicable Diseases among Elderly in Europe
- 12.20 - 12.40 **Dr Manfred Huber, Coordinator for Healthy Ageing, Disability and Long-term Care, WHO Regional Office for Europe**
Innovation in Prevention Practices – Life Course Approach Addressing Healthy Ageing
- 12.40 - 12.50 Discussion
- 12.50 - 12.55 Break

Theme C Ageing and Health System Sustainability

12.55 - 13.55 Session 1 C **Demographic Challenges in the European Ageing Societies**

Chairpersons: Professor Tomislav Rukavina, Assistant Professor Krunoslav Capak

Moderator: Assistant Professor Marjeta Majer

INVITED SPEAKER

Associate Professor Gerda Neyer, Stockholm University, Sweden (15 min)

Demographic Challenges in the European Ageing Societies

Croatian priority during the EU presidency - Healthy Ageing - Krunoslav Capak (8 min)

What does 'healthy age' mean – sociological and anthropological considerations - Marija Geiger Zeman (8 min)

Legal protection of older persons: do we need a special UN convention on the rights of older persons? - Sunčana Roksandić Vidlička (8 min)

Discussion and summary conclusions (20 min)

13.55 - 14.00 Break

14.00 - 15.00 Session 2 C **Bioethics and Ageing**

Chairpersons: Professor Ana Borovečki, Professor Zdravka Poljaković

Moderator: Assistant Professor Marina Roje Bedeković

INVITED SPEAKER

Renzo Pegoraro, Pontifical Academy for Life, Vatican (15 min)

Ageing Ethics and Challenges for Care

Ethical challenges for healthcare professionals in managing elder abuse - Luciana Caenazzo (8 min)

What sort of discrimination among the geriatric population? - Hrvoje Tiljak (8 min)

Does revascularisation therapy for acute stroke improve functional outcome in elderly patients? - Zdravka Poljaković (8 min)

Discussion and summary conclusions (20 min)

15.00 - 15.05 Break

15.05 - 16.05 Session 3 C **Epidemiological Trends on Prevention of Age Related Frailty Syndrome and Diseases**

Chairpersons: Tomislav Benjak, PhD, Professor Mladen Boban

Moderator: Assistant Professor Slavica Sović

INVITED SPEAKER

Dr. Tomislav Benjak, Ph.D.,
Croatian Institute of Public
Health, Croatia (15 min)

Frailty – what is and what
we can do in Croatia?

Ageing and Health: Importance of the Topic for Europe and the Croatian EU
Presidency - Danijela Štimac Grbić, Tugce Schmitt (8min)

Implementation of the SEFAC project in four European cities - Denis Juraga
(8 min)

Moderate alcohol consumption and healthy aging - Mladen Boban (8 min)

Discussion and summary conclusions (20 min)

16.05 - 16.10 Break

16.10 - 17.10 Session 4 C **Community Based Approaches and Medical Wellness for Healthy Ageing**

Chairpersons: Professor Jon E. Vena, Assistant Professor Milan Milošević

Moderator: Roko Žaja, MD

INVITED SPEAKER

Professor John Vena,
Ph.D., Medical University
of South Carolina, USA
(15 min)

Population Health
Initiatives, Ageing and
Health System Sustainability
and Promoting Healthy
Longevity

Increasing Wellbeing Through Co-Production of Health Promotion Activities
at the Local Level — The Role of Senior Councils - Iwona Kowalska-Bobko,
Anna Kozak
(8 min)

Health Promotion for Older People in Europe – the results of Pro-health 65+
project - Stanisława Golinowska, Marzena Tambor (8 min)

Community based approaches towards healthy aging in Croatian Healthy
Cities and Counties - Selma Šogorić (8 min)

Towards sustainable ageing: Overcoming obstacles in an industrial
environment - Efstathios Restemis (8 min)

Discussion and summary conclusions (20 min)

17.10 - 17.20 Break

17.20 - 18.20 Session 5 C **Healthcare System Organization in the Advent of Chronic Diseases Caused by Ageing**

Chairpersons: Professor Dagmar Radin, Professor José M^a Martín Moreno

Moderator: Dorja Vočanec, MD

INVITED SPEAKER

**Professor José M^a Martín
Moreno**, University of
Valencia Spain (15 min)

Can the Health System be
better organized to meet
the challenge of chronic
diseases and ageing
disorders?

Clemson University–Medical University of South Carolina Rural Health
Innovation Partnership to Improve Health Outcomes & Equity in South
Carolina USA –Ronald Gimbel (8 min)

Healthy aging through ICOPE and the implementation of lifestyle
interventions for diabetes prevention - Hermes Florez (8 min)

Formation of endovascular stroke service network in Croatia - David Ozretić
(8 min)

European Union Legal And Policy Instruments For Improving Treatment And
Prevention Of Chronic Disease - Tomislav Sokol (8 min)

Discussion and summary conclusions (20 min)

18.20 - 18.45 Round table: Discussion and presentation of Conference Policy paper and concluding remarks

**Moderators: Associate Professor Dagmar Radin, Professor Dinko Mitrečić,
Irena Martinović Klarić, PhD**

Participants: Academician Željko Reiner, Professor Marijan Klarica, Professor Mirjana Kujundžić Tiljak, Professor Zoran Đogaš, Professor Miloš Judaš, Professor Boris Brkljačić, Professor Stjepan Orešković, Professor Tomislav Rukavina, Professor Zdravka Poljaković, Professor Sven Seiwert, Professor Davor Ježek, Professor Branimir Anić, George Vradenburg, Professor Ilaria Bellantuono, Professor Josep Figueras, Dr. Manfred Huber, Dr. Joao Breda, Professor John Middleton, Professor Ratko Magjarević,



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