

# Programme



Novo Nordisk Foundation,  
Conferences, Symposia and Workshops 2022

22 March, 2022

New Hallmarks  
of Aging

The symposium New Hallmarks of Aging will focus on different aspects of molecular changes and how interventions affect the aging human body. It will comprise of three subthemes which will be explored through panel presentations of renowned researchers.

1. Primary Hallmarks – *causes of damage*
2. Antagonistic Hallmarks – *responses to damage*
3. Integrative Hallmarks – *culprits of the phenotype.*

## New Hallmarks of Aging Symposium, 22 March, 2022

8:30 – 9:00      **Symposium Registration**

9:00 – 9:10      **Welcome and Introduction**

Lene Juel Rasmussen  
Tinna Stevnsner  
Evandro Fang

Setting the framework for the symposium

## Theme 1: Primary Hallmarks – Causes of Damage

9:10 – 10:55      *Addressing the role of the primary causes of cellular damage in relation to life-span, health-span, metabolic health and development of disease in elderly*

**Chair:**

Lene Juel Rasmussen

**Speaker 1** – Yosef Shiloh, Tel Aviv University, Israel (25 min+5 min discussion)

**Speaker 2** – Vilhelm Bohr, National Institute of Aging, USA(25 min+5 min discussion)

**Young fellow 1** - Jianying Zhang: An Autophagy Biomarker in CSF Correlates with Clinical Severity and Neurological Outcome in Alzheimer's Disease Patients (The University of Oslo and Akershus University Hospital, Oslo, Norway) (10 min+5 min discussion)

**Young fellow 2** – Stefan Chlopicki: Accelerated age-dependent development of endothelial dysfunction in humanized dyslipidemic mice' (Jagiellonian University, Kraków, Poland) (10 min+5 min discussion)

**Young fellow 3** – Casper Søndebro: Novel Molecular Markers of Muscle Fiber Denervation in Humans (Institute of Sports Medicine Copenhagen, Bispebjerg Hospital, Denmark) (10 min+5 min discussion)

10:55 – 11:10

**Break**

Poster Viewing

## Theme 2: Antagonistic Hallmarks – Responses to Damage

11:10 – 12:55

*Addressing the role of the compensatory or antagonistic responses to damage in relation to life-span, health-span, metabolic health and development of disease in elderly*

**Chair:**

Tinna Stevnsner

**Speaker 3**

Lynne Cox, Oxford University,  
UK (25 min+5 min discussion)

**Speaker 4**

Tom Kirkwood, Newcastle University, UK  
(25 min+5 min discussion)

**Speaker 5**

Jean Marc Egly, Institut de Génétique et de Biologie Moléculaire et Cellulaire, France(25 min+5 min discussion)

**Young Fellow 4** – Shuiqin Cao: Identification of mitophagy-inducing molecules in the passion fruit *P. edulis* with anti-Alzheimer's disease potential (The University of Oslo and Akershus University Hospital, Oslo, Norway). (10 min+5 min discussion)

12:55 – 13:55

**Lunch**

Poster Session

## Theme 3: Integrative Hallmarks – Culprits of the Phenotype

13:55 – 15:40

*Addressing the role of the integrative responses to damage in relation to life-span, health-span, metabolic health and development of disease in elderly*

**Chair:**

Evandro Fang

**Speaker 6**

Patricia Opresko, University of Pittsburgh, USA  
(25 min+5 min discussion)

**Young Fellow 5** – Helena Borland: Urolithin A enhances the cGAS-STING pathway via STING (University of Copenhagen, Denmark) (10 min+5 min discussion)

**Young Fellow 6** – Mark Vestergaard: Subclinical cognitive deficits are associated with reduced cerebrovascular response to neuroactivation in mid-sixties men (Rigshospitalet, Denmark). (10 min+5 min discussion)

**Young fellow 7** – Els Mansell: Mitochondrial Metabolism: a Druggable Driver of Hematopoietic Lineage Fate in Ageing and Disease (Lund University, Sweden). (10 min+5 min discussion)

**Speaker 7**

Erik Verdin, Buck Institute, USA  
(25 min+5 min discussion)

15:40 – 16:30

**Break**

Poster Session

16:30 – 17:00

**Panel debate: Invited speakers**

Questions, reflections, trying to sum up the overall knowledge

**Chairs:**

Lene Juel Rasmussen, Tinna Stevnsner, Evandro Fang

Poster prize

17:00 – 17:45

**Reception**

Social Networking