

PROGRAMM

1st Conference of European Federation for Aging Research
<https://agingfederation.eu/>



1st EFAR Conference on the Biology of Aging

October 14–16, 2026, Cologne

Wednesday, October 14th

Max Planck Institute for Biology of Ageing – Foyer

From 11:00 Registration

Max Planck Institute for Biology of Ageing – Lecture Hall

12:30 – 13:00 **Welcome Statements**
Björn Schumacher, EFAR President, CECAD, Cologne

Session I: Chair: Lene Rasmussen

- 13:00 – 13:25 **Invited speaker: Nathan LeBrasseur**
Mayo Clinic, Rochester
Cellular Senescence and Skeletal Muscle Aging
- 13:25 – 13:40 **Toluwanimi Victory Afolayan**
MPI for Biology of Ageing, Cologne
In vivo functional characterisation of a rare protein-altering variant in DEPTOR identified in long-lived families
- 13:40 – 13:55 **Arturo Bujarrabal-Dueso**
CECAD, Cologne
A Novel H2A.Z-Dependent Mechanism Underlies DREAM Complex Regulation of the DNA Damage Response
- 13:55 – 14:10 **David H. Meyer**
CECAD, Cologne
Aging clocks delineate neuron types vulnerable or resilient to neurodegeneration and identify neuroprotective interventions
- 14:10 – 14:25 **Haoqun Zhan**
University of Cambridge, UK
Nuclear integrity underpins the dynamic range of inflammation regulation
- 14:25 – 14:40 **Aleksandr Dekan**
University of Copenhagen
Genomic Determinants of Maximum Lifespan in Vertebrates
- 14:40 – 15:05 **Invited speaker: Emma Teeling**
University College Dublin
The molecular basis of bat's extended healthspans
- 15:05 – 15:40 COFFEE BREAK**

Session II: Chair: Joris Deelen

- 15:40 – 16:05 **Invited Speaker: Uri Alon**
Weizmann Institute of Science, Rehovot
A physiological cliff at menopause reconstructed from 300 million lab tests

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Session II: Chair: Joris Deelen

- 16:05 – 16:20 **Peter de Keizer**
University Medical Center Utrecht
PML^{high}, impaired-p53 scarred cells are a therapeutic target for healthy longevity
- 16:20 – 16:35 **Constantinos Demetriades**
ERIBA/UMCG, Groningen
mTOR Ubiquitination in Ageing and Disease
- 16:35 – 16:50 **Joris Demmers**
CECAD, Cologne
Transcription speed is controlled by mTOR via the super elongation complex
- 16:50 – 17:05 **Nikoleta Nikou**
Universitat Autònoma de Barcelona
Novel Treatments to Mitigate Ovarian Aging and Follicle Loss
- 17:05 – 17:20 **Taiyu Ge**
CECAD, Cologne
Vitamin B12 boosts H3K4me2 deposition to promote transcription recovery following DNA damage
- 17:20 – 17:45 **COFFEE BREAK**

Session III: Chair: Morten Scheibye-Knudsen

- 17:45 – 18:10 **Invited Speaker: George Garinis**
University of Crete
DNA damage and Innate Immune responses in Health and Disease
- 18:10 – 18:25 **Dax Houtkamp**
Vrije Universiteit Amsterdam
Prolonged bed rest reduces PhenoAge despite marked physiological deconditioning
- 18:25 – 18:40 **Shoma Ishikawa**
CECAD, Cologne
Non-cell-autonomous control of stress surveillance by telomere deprotection
- 18:40 – 18:55 **Maria Sol Jacome Burbano**
CECAD, Cologne
A neonatal-like cardiac program underlies adult heart regeneration in the naked mole-rat

CECAD Research Center, Foyers and 1st floor

19:15 – 22:15 **Poster Session (with finger food and drinks)**

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8:00 – 18:00 Registration/Information

Max Planck Institute for Biology of Ageing – Lecture Hall

Session IV: Chair: Helen Morrison

- 9:00 – 9:25 **Invited Speaker: Elsa Logharino**
University of Porto
The geroprotective role of the transcription factor FOXM1
- 9:25 – 9:40 **Lucia Lorenzo Rodriguez**
CIMUS-USC, Universidade de Santiago de Compostela
Senomorphic effect of genetic and chemical partial reprogramming
- 9:40 – 9:55 **Helene Martini**
Mayo Clinic, Rochester
Mitochondrial metabolism and epigenetic crosstalk in senescent cells
- 9:55 – 10:10 **Manuel Collado**
CIMUS-USC, Universidade de Santiago de Compostela
The Last kiss: Apoptotic Secreted Factors Drive Cellular Senescence
- 10:10 – 10:25 **Julian Mutz**
King's College London
Do mental disorders accelerate the pace of ageing?
- 10:25 – 10:50 **Invited Speaker: Paul Robbins**
University of Minnesota
MicroRNA regulation of senescence, rejuvenation and aging

10:50 – 11:30 **COFFEE BREAK**

Session V: Chair: Hartmut Geiger

- 11:30 – 11:45 **Invited Speaker: Luca Scorrano**
University of Padova
Fis1 Loss Drives Endothelial Senescence via Maladaptive Fatty-Acid Metabolism
- 11:55 – 12:10 **Francesco Neri**
University of Turin
Loss of regeneration and epigenetic drift of the intestinal stem cells during aging
- 12:10 – 12:25 **Katharina Papsdorf**
Institute of Molecular Biology (IMB) Mainz
Lipid droplets in MUFA mediated longevity
- 12:25 – 12:40 **André Rendeiro**
CeMM Research Center for Molecular Medicine, Vienna
Histological aging signatures enable inference of tissue-specific disease associations from blood

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12:40 –	13:05	Invited Speaker: Sara Hägg Karolinska Institute, Stockholm <i>Tracking human aging for precision health</i>
13:05 –	14:45	LUNCH BREAK
13:30 –	14:15	<i>Meeting of poster prize selection committee (Sem. 1, MPI)</i>
Session VI: Chair: Ira Milosevic		
14:45 –	15:10	Invited Speaker: Lumir Krejčí Masaryk University, Brno <i>Regulation of Homologous Recombination</i>
15:10 –	15:25	David Doupe Durham University <i>The transcription factor Sob maintains intestinal stem cell homeostasis to delay aging</i>
15:25 –	15:40	Della David Babraham Institute, Cambridge <i>Identification of a novel human extracellular chaperone promoting healthy ageing</i>
15:40 –	15:55	Oliver Tüscher Martin Luther University Halle-Wittenberg (MLU) <i>TACR3 variant confers resilience to aging and Alzheimer's disease</i>
15:55 –	16:10	Dongryeol Ryu Gwangju Institute of Science and Technology (GIST) <i>Discovery of a Circulating Myokine that Improves Systemic Function in Aged Mice</i>
16:10 –	16:25	Markus Schosserer Medical University of Vienna <i>The role of the ribosomal RNA methyltransferase Nsun5 in mouse aging and development</i>
16:25 –	16:40	Payel Sen National Institute on Aging, USA <i>A single-cell multi-omic atlas decodes the regulatory logic of liver aging</i>
16:45 –	18:00	EFAR Members Assembly Meeting (MPI Lecture Hall)

Schokoladenmuseum (by invitation only)

19:15– 22:30 Speakers Dinner

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Session VII: Chair: Anne Schäfer

- 9:00 – 09:25 **Invited Speaker: Eija Pirinen**
University of Oulu
Obesity-related remodeling of NAD⁺ metabolism in human adipocytes
- 09:25 – 09:40 **Mirre Simons**
The University of Sheffield
Suppression rather than activation of the integrated stress response (GCN2–ATF4) pathway extends lifespan in the fly
- 09:40 – 09:55 **Yossawat Suwanlikit**
Robert and Arlene Kogod Center on Aging, Mayo Clinic, Rochester
DNA Methylation–Based Clonal Hematopoiesis Burden Associates with Structural Brain Atrophy
- 09:55 – 10:10 **Vakil Takhaveev**
ETH Zürich
The Damage Code – Single–Nucleotide Maps of DNA Lesions Across the Ageing [Epi]Genome
- 10:10 – 10:25 **Danila Voronov**
Leibniz Institute on Aging – Fritz Lipmann Institute (FLI), Jena
*Shared molecular signatures between diapause II and aging in killifish *Nothobranchius furzeri* suggest aging during diapause II*

10:25 – 11:15 **BREAK**

Session VIII: Chair: Riekelt Houtkooper

- 11:15 – 11:40 **Invited Speaker: Guido Kroemer**
Université de Paris Cité
Immunosuppression by the geroprotein ACBP/DBI
- 11:40 – 11:55 **Shibo Wei**
Gwangju Institute of Science and Technology (GIST)
Localized NAD⁺ Replenishment Restores Metabolic Resilience and Mitigates Cardiac Injury after Myocardial Infarction
- 11:55 – 12:10 **Mauro Corrado**
CECAD, Cologne
Suppression of T Cell–Driven Type I Interferons in Ageing Reveals Gut–Specific Vulnerability
- 12:10 – 12:35 **Invited Speaker: Eline Slagboom**
Leiden University Medical Center
Lifestyle intervention effects in middle age monitored across omics layers and tissues; practical implications
- 12:35 – 13:00 **Concluding remarks, poster prizes**
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Organisation:

CECAD (Cologne Cluster of Excellence on Aging and Aging-associated Diseases)



Venue:

Max Planck Institute for Biology of Ageing & CECAD Research Center, Cologne, Germany

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