

Lecture Series 2024-2025
“Biology of Ageing and Age-related Diseases”

Time: 12.30 – 2 pm (Thursdays)

1) 17.10.2024 Anne Schaefer: *General Introduction to Ageing*

Chair: Fabian Bätzner

Venue: CECAD, Lecture Hall (ground floor)

2) 07.11.2024 David Vilchez: *Model Systems of Ageing*

Chair: Marta Manik

Venue: CECAD, Lecture Hall (ground floor)

3) 21.11.2024 Marc Tittgemeyer: *Metabolic Mechanism interfacing with the Brain in Ageing (title will be specified by Marc)*

Chair: Anna Henrich

Venue: CECAD, Lecture Hall (ground floor)

4) 05.12.2024 Johannes Vogt: *Bioactive Lipids: Mediators in Body-Brain Axis and its Importance in Ageing-related Disorders*

Chair: Remo Bode

Venue: CECAD, Lecture Hall (ground floor)

5) 09.01.2025 Thomas Langer: *Mitochondrial Dysfunction in Disease and Ageing*

Chair: Filipa Rocha

Venue: CECAD, Lecture Hall (ground floor)

6) 30.01.2025 Irina Dudanova: *Differential Vulnerability in Neurodegeneration*

Chair: Niloufer Shanavas

Venue: CECAD, Lecture Hall (ground floor)

7) 06.02.2025 Ivan Matic: *ADP-Ribosylation in the DNA-Damage Response and Ageing*

Chair: Matteo Fiumara

Venue: CECAD, Lecture Hall (ground floor)

8) 26.02.2025 Mirka Uhlirova: *Stress Signaling in Development, Homeostasis and Disease*

Chair: Asli Nur Akaydin

Venue: CECAD, Lecture Hall (ground floor)

9) 13.03.2025 Roderick O'Sullivan: *Telomeres and Ageing*

Chair: Malvika Ramani

Venue: CECAD, Lecture Hall (ground floor)

10) 27.03.2025 Thorsten Hoppe: *Protein Homeostasis*

Chair: Vidya Hanehalli

Venue: CECAD, Lecture Hall (ground floor)

11) 10.04.2025 Silvia von Karstedt: *Cell Death and Cancer Evolution*

Chair: Souparno Das

Venue: CECAD, Lecture Hall (ground floor)

12) 24.04.2025 Christian Frezza: *Dysregulated Metabolism and Ageing-associated Disorders*

Chair: Ignacy Gorecki

Venue: CECAD, Lecture Hall (ground floor)

13) 15.05.25 Constantinos Demetriades: *Metabolic and nutrient Signaling in Ageing and Disease*

Chair: Zhaocheng Zhai

Venue: CECAD, Lecture Hall (ground floor)

Objective of the Lecture Series:

The Lecture Series intends to provide you with a broad overview of various essential topics in current aging research. The lectures, which are centered on the general subject, focus on model systems from invertebrates to humans, and their relationship to ageing and disease. You are expected to actively participate by chairing a lecture and composing a synopsis about one research topic covered in this lecture in order to summarize the most important research questions and the current state of knowledge of the respective research field. Your synopses will be provided to the entire class with the aim to serve all students as a summary including all important “take-home messages” of the major research fields of Ageing Research covered in the Lecture Series.

Students’ responsibilities

1. Chairing a lecture:

The task of the chair includes picking up and setting up the technical equipment required for the lecture as well as the attendance list 15 minutes before the talk (as of now, there is a code that can be used to access the box with the technical equipment located in the cupboard of the lecture hall and the seminar room in the CECAD building). The chair introduces the speaker to the audience by giving a short overview about his/her CV, moderates the discussion and closes the lecture. During the discussion the chair asks at least two questions related to the talk.

2. Synopsis:

Composing a synopsis on a lecture from the lecture series helps you reflect the current state of knowledge and focus on the major research questions of the respective research field (max. 1.5 written pages, Arial, 11). Please summarize the current state of knowledge of the research field of your choice (see possible topics below) also by including and citing recent publications:

- Top of the page: Your name, title, name of lecturer
- 1. Paragraph: Define and describe the general research topic. Address the current state of knowledge in this particular research field
- 2. Paragraph: Summarize the most recent findings
- 3. Paragraph: Discuss the most important open research questions for all of the three point please consider and cite important and most recent publications of the research field.

The choice of topics for your synopsis is limited to the presentations of three lecturers: 1 person tba, Irina Dudanova, or Christian Frezza. The respective lecturer will evaluate your synopsis and the evaluation will be made available to you. We would recommend to take detailed notes of the lectures and to start writing the synopsis shortly after so the content is still fresh in your memory. Please send your synopsis after finishing but latest 1 month after the last lecture (**deadline: 2025 JUN 15**) to cga-coordination@uni-koeln.de .

3. Attendance requirements:

You are expected to attend at least 80% of the lectures. Please make sure to sign the attendance list! In case you cannot participate due to an important reason such as illness, please inform the CGA Coordination by e-mail (cga-coordination@uni-koeln.de) in advance. Please switch the chairing assignment with another student if you cannot attend and inform us about the same. In case you should miss more than 20% of the lectures, you will have to repeat the missed ones at the Lecture Series 2025-2026.

Time: 12.30 – 2 pm

Venue: Zoom

<https://uni-koeln.zoom.us/j/93013508798?pwd=M21TaDI1TU1JUzNrek5xeXpWQzBOdz09>

Meeting-ID: 930 1350 8798

Password: 083693