

“Biology of Ageing and Age-related Diseases”

Time: 12.30 – 2 pm (Thursdays)

1) 08.10.2025 Anne Schaefer: *General Introduction to Ageing*

Chair: Sophie Helene Haselhorst

Time: 03 - 04.30 pm

Venue: Zoom

uni-koeln.zoom.us/j/93013508798?pwd=M21TaDI1TU1JUzNrek5xeXpWQzBOdz09

2) 13.11.2025 David Vilchez: *Model Systems of Ageing*

Chair: Valentina Olifirenko

Venue: CECAD, Lecture Hall (ground floor)

Please note: room changed.

3) 27.11.2025 Stephanie Panier: *Telomeres and Ageing*

Chair:

Venue: CECAD, seminar room 1 (first floor)

4) 08.01.2026 Björn Schumacher: *Genome Stability in Ageing*

Chair: Georgii Vdovin

Venue: CECAD, Lecture Hall (ground floor)

5) 29.01.2026 Mafalda Escobar-Henriques:

Functions of Mitochondrial Dynamics in Cellular Homeostasis

Chair: Zeina Mahmoud

Venue: CECAD, seminar room 1 (first floor)

- 6) **19.02.2026 Irina Dudanova: *Differential Vulnerability in Neurodegeneration***
Chair: Mika Gallati
Venue: CECAD, seminar room 1 (first floor)
- 7) **26.03.2026 Silvia von Karstedt: *Cell Death and Cancer Evolution***
Chair: Anne Ryndyk
Venue: CECAD, Lecture Hall (ground floor)
- 8) **16.04.2026 Andreas Beyer: *Systems Biology of Ageing***
Chair: Georgii Vdovin
Venue: CECAD, Lecture Hall (ground floor)
- 9) **30.04.2026 Sophie Steculorum: *Developmental Origin of Ageing-related Diseases***
Chair: Sara Khosraviani
Venue: CECAD, Lecture Hall (ground floor)
- 10) **11.06.2026 Gabriele Zaffagnini: *Protein Homeostasis in the Female Germline***
Chair: Valentina Olifirenko
Venue: CECAD, seminar room 1 (first floor)
- 11) **18.06.2026 Hans-Georg Sprenger: *Exercise Metabolism and Ageing***
Chair: Ezequiel Abraham
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
You are expected to

relationship to ageing and disease.
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: Stephanie Panier, Irina Dudanova or Gabriele Zaffagnini. 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: 2026 JULY 19**) 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.

For lectures via Zoom:

Time: 12.30 – 2 pm

Venue: Zoom

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