

Lecture Series 2023-2024

“Biology of Ageing and Age-related Diseases”

Time: 12.30 – 2 pm (Thursdays)

1) 05.10.2023 Anne Schaefer: *General Introduction to Ageing*

Chair: Merve Kara

Time: 04.30 – 6 pm

Venue: Zoom

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

Meeting-ID: 930 1350 8798

Password: 083693

2) 02.11.2023 David Vilchez: *Model Systems of Ageing*

Chair: Bianca Bulimaga

Venue: CECAD, seminar room 1 (first floor)

3) 23.11.2023 Ana García-Sáez: *Advanced Microscopy and Biophysics of regulated Cell Death*

Chair: Athanasios Katsalifis

Venue: CECAD, Lecture Hall (ground floor)

4) 14.12.2023 Aleksandra Trifunovic: *Mitochondrial Stress Responses in Disease and Ageing*

Chair: Paula Unger Avila

Venue: CECAD, Lecture Hall (ground floor)

5) 01.02.2024 Tatiana Korotkova: *Neuronal Control of Metabolism and Ageing*

Chair: Paulina López Carrasco

Venue: MPI AGE, seminar room 2/3 (ground floor)

- 6) **07.03.2024 Henning Walczak:**
The Role of Inflammation and Cell Death in Ageing-related Diseases
Chair: Julia Meier
Venue: CECAD, seminar room 1 (first floor)
- 7) **14.03.2024 Oliver Cornely: *The potential Success of Translational Projects: developing novel Solutions for Ageing-associated Diseases***
Chair: Yara Nabawi
Venue: MPI AGE, seminar room 1 (ground floor)
- 8) **11.04.2024 Mirka Uhlirova: *Stress Signaling in Development, Homeostasis and Disease***
Chair: Malkon Guillermo Sánchez Estrada
Venue: CECAD, Lecture Hall (ground floor)
- 9) **18.04.2024 Peter Kreuzaler: *Dysregulated Metabolism to Ageing-associated Disorders***
Chair: Asmita Majumdar
Venue: CECAD, Lecture Hall (ground floor)
- 10) **04.07.2024: Bernhard Schermer: *Ageing-associated chronic Kidney Diseases***
Chair: Nidhi Nair
Venue: CECAD, seminar room 1 (first 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: **Aleksandra Trifunovic, David Vilchez and Bernhard Schermer**. 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: 2024 AUG 04**) 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 2024-2025.