

Lecture Series 2021-2022
“Biology of Ageing and Age-related diseases”

Venue: CECAD, Lecture Hall, Ground Floor

Time: 12.00 - 13.30 pm

In case the lecture(s) should have to take place online, the CGA coordination team will send a **Zoom-link** to you in advance of the weekly lecture.

- 1) Wednesday, 13.10.2021 **General Introduction to Ageing and Dietary Restriction:** Linda Partridge
Chair: Franziska Baumann
Please note different time: 16.30 - 18.00 pm
- 2) Thursday, 04.11.2021 **Model Systems of Ageing:** Adam Antebi
Chair: Laura Casanueva Reimon
- 3) Thursday, 18.11.2021 **Mitochondrial Dysfunction in Disease and Ageing:** Thomas Langer
Chair: Abdulla Chihab
- 4) Thursday, 02.12.2021 **Neuronal circuits changes in ageing:** Tatiana Korotkova
Chair: Andreas Kolvenbach
- 5) **Wednesday**, 12.01.2022 **Circadian rhythms and ageing:** Gabriella Lundkvist
Chair: Julia Hansen
- 6) Thursday, 27.01.2022 **DNA damage in Cancer and Ageing:** Björn Schumacher
Chair: Angela Joy Tan
- 7) Thursday, 10.02.2022 **Protein Homeostasis:** Thorsten Hoppe
Chair: Anita Jopkiewicz



- 8) Thursday, 03.03.2022 **Synaptic Physiology in Health and Disease:** Natalia Kononenko
Chair: Danel Medelbekova

- 9) Thursday, 24.03.2022 **Systems Biology of Ageing:** Andreas Beyer
Chair: Maria Pandrea

- 10) Thursday, 07.04.2022 **Stem Cells and Ageing:** Carien Niessen
Chair: Taoyu Mei

- 11) Thursday, 28.04.2022 **Cell Death and Inflammation:** Henning Walczak
Chair: Damini Sant

- 12) Thursday, 05.05.2022 **Microbiome and Ageing:** Filipe Cabreiro
Chair: Polina Zhigulina

- 13) Thursday, 23.06.2022 **Epigenetics and Ageing:** Peter Tessarz
Chair: Katharina Witt

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 centred 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 summarise 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 and evaluation forms approx. 15 minutes before the talk (MacBook including power cable, the box with the connection cables, instructions as well as the attendance list and evaluation forms are available at the CECAD reception desk). After the talk the technical equipment should be returned to the reception and the attendance list together with the completed evaluation sheets to the CGA office.

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. The choice of topics for your synopsis is limited to the presentations of four lecturers: **Filipe Cabreiro, Tatiana Korotkova, Gabriella Lundkvist and Peter Tessarz**. 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: July 23, 2022**) 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 2022.