

**Lecture Series 2022-2023**  
**“Biology of Ageing and Age-related diseases”**

**Venue:** Zoom  
<https://uni-koeln.zoom.us/j/91789752418?pwd=T3Q3VE11OExuemIzRjJKVVBGTFNSdz09>  
Meeting-ID: 917 8975 2418  
Passwort: 700917

**Time:** 12.30 – 2 pm (Thursdays)

- 1) 13.10.2022 **General Introduction to Ageing:** Anne Schäfer  
Chair: Marie Blickling
- 2) 10.11.2022 **Model Systems of Ageing:** Adam Antebi  
Chair: Leonie Cabot
- 3) 08.12.2022 **Mechanisms of Genome Stability:** Boris Pfander  
Chair: Carmine Ceraolo
- 4) 19.01.2023 **Neuronal circuits changes in Ageing:** Tatiana Korotkova  
Chair: Maxim Hützen
- 5) 23.02.2023 **Circadian Rhythms and Ageing:** Gabriella Lundkvist  
Chair: Anirudh Jairam
- 6) 16.03.2023 **Microbiome and Ageing:** Filipe Cabreiro  
Chair: Aparna Kelkar

- 7) 30.03.2023 **Stem Stells and Ageing:** Carien Niessen  
Chair: Moritz Kroker
  
- 8) 20.04.2023 **Mitochondrial Dysfunction in Disease and Ageing:** Thomas Langer  
Chair: Florian Melerowicz
  
- 9) 04.05.2023 **Systems Biology of Ageing:** Andreas Beyer  
Chair: Sirin Salman
  
- 10) 25.05.2023 **Cell Death and Cancer Evolution:** Silvia von Karstedt  
Chair: Ana Varanda
  
- 11) 01.06.2023 **RNA-Biology in Kidney Disease:** Roman-Ulrich Müller  
Chair: Markus Wehrmann
  
- 12) 22.06.2023 **Protein Homeostasis:** Thorsten Hoppe  
Chair: Beiqi Xu

### 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:

1. Define and describe the general research topic, address the current state of knowledge in this particular research field (1 paragraph)
2. Summarise the most recent findings (1 paragraph)
3. Discuss the most important open research questions (1 paragraph)

Especially for 1. and 2. 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 four lecturers: **Filipe Cabreiro, Gabriella Lundkvist, Boris Pfander and Silvia von Karstedt**. 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, 2023**) to [cga-coordination@uni-koeln.de](mailto: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](mailto: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 2023/24.