Name der Gruppe

Cell Biology for Postgraduates

Beschreibung

Lehrveranstaltungsnummer:

1471

Lehrveranstaltungskürzel:

FWB91

Instructors:

Prof. Dr. Adrian B. Hehl, Dr. Chandra Ramakrishnan

Venue:

Zoom or Teams

Course schedule:

Sessions are held every three weeks on Thursday afternoons, from 2-4 pm online. The schedule for FS21 is: 4th March, 25th March, 15th April, 6th May, 27th May

Course description:

The seminar is aimed at revising and deepening the understanding of key concepts in cell biology, thereby providing PhD candidates with a solid preparation in view of their dissertation and final examination. The seminar is taught in English to a small class of max. 15 participants and accrues 2 ECPs/semester. One ECP is assigned for active participation while the other for completion of an assignment such as moderation of a session or redaction of a scientific essay.

PhD candidates with a veterinary background and/or based at one of the institutes of the Vetsuisse faculty will be given priority for enrollment.

Learning objectives:

By the end of this course, participants will have:

a) practiced discussing key topics in cell and molecular biology as part of a scientific discourse such as the one employed during a graduate thesis defense

b) identified key open questions that will feed future research efforts in the field of cell biology
Course material and preparation

The reference text for our seminar is “The Cell -A Molecular Approach, Geoffrey M. Cooper & Robert E. Hausman, 8th Edition” (ISBN-13: 978-1605358635); editions until the 6th will be accepted. In FS21, we will be focussing DNA and gene structure, replication, repair and epigenetics. We will integrate a recent paper corresponding to the textbook chapter. Participants are required to read the assigned material and to be ready to present the key points and discuss them in depth during the seminar.

Each session features the discussion of a chapter from our reference text. Chapters and corresponding papers will be assigned prior to the beginning of the course. Participants are responsible for presenting the key points of the chapter and paper depending on the number of participants on their own or in groups of two. Although participants are assigned a chapter and a paper, they are then free to manage their session as they best see fit.

Organization of a single 2-hour session:

5-10 minutes: any administrative issue

45 minutes : moderation and presentation of the first part of the chapter by Participant 1

10 minutes : break

45 minutes : moderation and presentation of the second part of the chapter by Participant 1 or 2

The remaining 10-15 minutes are generally used to give space to ongoing discussions. Questions which remain unanswered are picked up by the responsible participants, pursued at a later moment and answers communicated to the whole class by email within 7 days from the session.