PhD Program in Cancer Biology

University of Zurich
c/o Institute of Molecular
Cancer Research
Winterthurerstrasse 190
CH-8057 Zurich
Phone: +41 44 635 34 52
http://www.cb.uzh.ch

Mechanisms of cancer induction and progression 2024
Genome Instability

Instructors

Dr. Andreas Panagopoulos

Department of Molecular Mechanisms of Disease
University of Zurich
Winterthurerstrasse 190
CH-8057 Zurich
andreas.panagopoulos@dmmd.uzh.ch

Dr. Jana Krietsch

Institute of Molecular Cancer Research
University of Zurich
Winterthurerstrasse 190
CH-8057 Zurich
krietsch@imcr.uzh.ch

Prof. Manuel Stucki

Department of Gynecology
University Hospital Zurich
Wagistrasse 14
CH-8952 Schlieren
manuel.stucki@usz.ch

Date Thursday, June 20, 2024

Course venue
Morning 09:00 h - 12:00 h: Y13 M-12
Afternoon 13:00 h - 16:30 h: Y13 M-12 + Y13-L-11/13 + Y13 K05

General outline

09:00 – 10:00	Andreas Panagopoulos: The cellular response to replication stress (Lecture and group work introduction)
10:00 – 10:15	*Short break*
10:15 – 11:00	Manuel Stucki: The chromatin response to DNA breaks
11:00 – 11:15	*Short break*
11:15 – 12:00	Jana Krietsch: Exploiting DNA replication stress and genome instability for targeted cancer treatment
12:00 – 13:00	*Lunch break*
13:00 – 15:00	Group work and preparation of presentation
15:00 – 16:30	Presentations and discussions

Learning outcomes

- Students will get familiar with mechanisms that promote genome stability and will be introduced to interdisciplinary research grant proposals.
- Students will learn how chromatin influences the cellular response to DNA damage, particularly DNA double-strand breaks.
- Students will get familiar with general concepts of DNA replication stress and genome instability for targeted cancer treatment.