



ISM Lunchtime Seminar Series

The ISM Lunchtime Seminars are online monthly events, which take place on Thursdays, 13:00-13:30h, and are open to all interested colleagues and students. ISM researchers and guest speakers present their work during a 15 min seminar, in the English language, followed by a brief Q&A session.

We are happy to announce our next speaker: B.Sc. Sophie Silberhorn from the Humboldt-Universität zu Berlin.

Title: Characterization of the circadian clock in children with acute lymphoblastic leukemia (ALL) and comparison with healthy controls

Abstract: The disruption of the circadian clock plays a crucial role in the development of various diseases, including tumorigenesis. Escaping circadian regulation allows the cancer hallmarks to facilitate the transformation of normal cells into malignant cells. Previous studies have shown differential expression of core clock genes in leukemia. However, the specific role of these genes in leukemia remains partially elusive. To characterize the circadian clock in children with B-cell acute lymphoblastic leukemia (B-ALL), a clinical trial was conducted with a patient and a healthy control group. A comparison is made on three different levels: gene expression in a single patient (leukemic B-cells (CD19+) and non-B-cells (CD19-)), between the different patients and between patients and the control group. Our ultimate goal is to identify gene expression patterns to determine implications for chronotherapy.

When: 16th February 2023 at 13:00h **Where:** MS-Teams (to join, please click [here](#))

Please follow the rules below to make these seminars a success:

- Please use your real name while entering the meeting. Participants with cryptic names will not be given access to the seminar.
- Please turn off your microphone while the seminar is taking place.
- Please feel free to ask questions!

Contact information

Please contact [Dr. Annakarina Mundorf](#) or [Dr. Deeksha Malhan](#) for further information.