UNIVERSITÄT LEIPZIG

RESEARCH ACADEMY LEIPZIG

CORE SEMINAR WEEK on "Functional Genomics and Paleogenomics"

May 30th - June 3rd 2022
MPI-EVA, Deutscher Platz 6

Monday, May 30th 2022 (Seminar Room, 4th floor) – Evolutionary Genetics

10:00-12:00	Introduction to ancient DNA (Matthias Meyer)
13:00-14:00	Archaic Genomes (Stéphane Peyrégne)
14:00-15:00	Archaic introgression (Janet Kelso)
15:00-16:00	DNA from sediments (Diyendo Massilani)

Tuesday, May 31st 2022 (Seminar Room, 4th floor) – Evolutionary Genetics

10:00-11:00	Functional evaluation of modern human-specific variants (Svante Pääbo)
11:00-12:00	Genome Sequencing & Analysis (Dominik Macak & Christian Heide)
13:00-14:00	Genome editing (Stefan Riesenberg & Nelly Helmbrecht)

Wednesday, June 1st 2022 (Seminar Room, 4th floor) – Archaeogenetics

10:00-11:00	Molecular Anthropology (Wolfgang Haak)
11:00-12:00	What genomes tell us about our past (Stephan Schiffels)
13:00-14:00	Genetic History (Zuzana Hofmanova)
14:00-15:00	Inferring Demography from ancient DNA (Harald Ringbauer)

Thursday, June 2nd 2022 (Seminar Room, 4th floor) – Archaeogenetics

10:00-11:00	Assessing social structures from genetic data (Alissa Mittnick)
11:00-12:00	Microbiome Sciences (Christina Warinner)
13:00-14:00	Ancient DNA and the history of syphilis (Kirsten Bos)
14:00-15:00	Evolution of Human Pathogens (Alexander Herbig)

Friday, June 3rd 2022 (Seminar Room, 4th floor)

10:00-11:00	Genetics and Race (Johannes Krause)
13:00-15:00	Paper Discussion. (Lead: Mateja Hajdinjak. & Kay Prüfer)

*Hajdinjak, M., Mafessoni, F., Skov, L. et al. Initial Upper Palaeolithic humans in Europe had recent Neanderthal ancestry. Nature **592,** 253–257 (2021). https://doi.org/10.1038/s41586-021-03335-3*

*Prüfer, K., Posth, C., Yu, H. et al. A genome sequence from a modern human skull over 45,000 years old from Zlatý kůň in Czechia. Nat Ecol Evol **5,** 820–825 (2021). https://doi.org/10.1038/s41559-021-01443-x*

Friday, June 10th 2022 (IT room, U0.26)

10:00-11:00	Exam