

Summer School Taxon-Omics 2023

When? - 30. July 2023 — 11. August 2023

Where? - Prinzessin Therese von Bayern Lehrstuhl für Systematik, Biodiversität & Evolution der Pflanzen; Ludwig-Maximilians Universität München <https://www.en.sysbot.bio.lmu.de/index.html>
Botanischer Garten München-Nymphenburg -- Botanische Staatssammlung München
<https://www.botmuc.de/>; <http://www.botanischestaatssammlung.de/>

Menzinger Str. 67, 80638 München, Germany

Contact for inquiries: A.Zerdoner@lmu.de

Preliminary programme

30.7.2023 Welcome gathering at 5 pm Menzinger Str. 67, Foyer

31.07.2023 – Species concepts, Integrative taxonomy

01.08.2023 – Nomenclature/ Code (ICZN vs. ICBN)

02.08.2023 – Natural history collections (curation, purpose and modern uses) / visit to the BSM and Botanical Garden

03.08.2023 – Introduction to NGS data sets (types of NGS data, when to use what, experimental design) / visit to the ZSM

04.08.2023 – NGS data analyses I (phylogenetic/genomic inference, divergence time estimation, fossils) / visit to the palaeontological collection

05.08.2023 – Excursion to the famous Murnauer Moos

06.08.2023 – Excursion to the Alpine Garden at the Schachen/Wettersteingebirge

07.08.2023 – Hybridization, polyploidization, ILS und HGT (and their impact on evolution, diversification and systematics)

08.08.2023 – NGS data analyses II (population genetics/genomics, gene flow and biogeography)

09.08.2023 – Morphometrics and Imaging

10.08.2023 – KI in taxonomy and systematics; Metabarcoding

11.08.2023 – Data management planning; data archiving / Big Data analyses

Evening event: Guided tour through “Flowers Forever” an exhibition on the cultural history of flowers in the Kunsthalle Munich.

12.08.2023 – Departure.

Maximum number of participants: 16

Deadline for application: 31st of March 2023

Contact for application: A.Zerdoner@lmu.de

Funding opportunities: 16 scholarships are available for master students and PhD students. Please apply with a motivation letter and your CV.