

The SciLifeLab Ancient DNA unit, a national resource for sediment DNA analysis

Magnus Lundgren^a

^a Scilifelab Ancient DNA unit, Uppsala/Stockholm, Sweden, magnus.lundgren@scilifelab.se

Analysis of ancient sediment DNA provides a wealth of information on biodiversity, ecology, development of agriculture and land use, and the impact of *e.g.* human activity and climate changes on local environment over time. Generating high-quality ancient sediment DNA requires specialized laboratories, methods and expertise. The SciLifeLab Ancient DNA unit, also part of the ArchLab and Swedigarch national research infrastructures, is a core facility that provide support with analysis of ancient sediment DNA. The unit is based at the Center for Palaeogenetics, part of Swedish Museum of Natural History and Stockholm University, and at Uppsala University. The facility has state-of-the art clean-room laboratories for ancient DNA processing, and staff with expertise in both laboratory and computational analysis. Our unit can analyze a range of different type of samples and also perform analysis of *e.g.* DNA from human and animal material, in addition to sediment samples. You are welcome to contact us for further information and project discussions.