

Reading list – ARKN22, Bone Chemistry and Bioarchaeological Analysis, 7,5 credits

Approved by the Department Board: 2023-06-07

The literature is available through LUBcat and/or LUBsearch unless otherwise stated.

Required reading (603 p.)

Archaeological Science: An Introduction (2019). Richards, Michael P. & Britton, Kate (eds.). Cambridge: Cambridge University Press. (Chapters 1-3; 5-6; 8; 18. 152 p.)
<https://doi.org/10.1017/9781139013826>

Brown, Terry A. & Brown, Keri (2011). *Biomolecular Archaeology: An Introduction*. Chichester: Wiley-Blackwell. (301 p.) <https://doi.org/10.1002/9781444392449>

Downes, Stephen M. (2019). "The Role of Ancient DNA Research in Archaeology." Included in: *Topoi* 2019, volume 40, pp. 285-293. (9 p.) <https://doi.org/10.1007/s11245-019-09665-2>

Fowler, Chris, Olalde, Iñigo, Cummings, Vicki, Armit, Ian, Büster, Lindsey, Cuthbert, Sarah, ... & Reich, David (2022). "A high-resolution picture of kinship practices in an Early Neolithic tomb." Included in: *Nature* 2022, volume 601, issue 7894. (22 p.) <https://doi.org/10.1038/s41586-021-04241-4>

Lazzerini, Nicolas, Balter, V., Coulon, Aurélie, Tacail, Théo, Marchina, Charlotte, Lemoine, M., ... & Zazzo, Antoine (2021). "Monthly mobility inferred from isoscapes and laser ablation strontium isotope ratios in caprine tooth enamel." Included in: *Scientific Reports* 2021, volume 11, issue 1, p. 1-11. (Also available as PDF in Canvas) <https://doi.org/10.1038/s41598-021-81923-z>

Pálsdóttir, A. H., Bläuer, A., Rannamäe, E., Boessenkool, S., & Hallsson, J. H. (2019). "Not a limitless resource: ethics and guidelines for destructive sampling of archaeofaunal remains". Included in: *Royal Society open science* 2019, volume 6, issue 10. (11 p.) (Also available as PDF in Canvas). <https://doi.org/10.1098/rsos.191059>

Papac, Luka, Ernée, Michal, Dobeš, Miroslav, Langová, Michaela, Rohrlach, Adam B., Aron, Franziska, ... & Haak, Wolfgang (2021). "Dynamic changes in genomic and social structures in third millennium BCE central Europe." Included in: *Science Advances* 2021, volume 7, issue 35. (17 p.) <https://doi.org/10.1126/sciadv.abi6941>

Pederzani, Sarah, & Britton, Kate (2019). "Oxygen isotopes in bioarchaeology: Principles and applications, challenges and opportunities." Included in: *Earth-Science Reviews* 2019, volume 188, p. 77-107. (Also available as PDF in Canvas). <https://doi.org/10.1016/j.earscirev.2018.11.005>

Stewart, Nicolas A., Gerlach, Raquel F., Gowland, Rebecca L., Gron, Kurt J., & Montgomery, Janet (2017). "Sex determination of human remains from peptides in tooth enamel". Included in:

Proceedings of the National Academy of Sciences 2017, volume 114, issue 52, p. 13649-13654.
<https://doi.org/10.1073/pnas.1714926115>

White, Tim D., Black, Michael T., Folkens, Pieter A. (2011). *Human osteology*, 3rd ed. Amsterdam: Academic press. (Chapters 3; 17; 22. 45 p.) <https://doi.org/10.1016/C2009-0-03221-8>

Additional literature of maximum 200 pages selected by the teacher.