

## Wissenschaftliche Publikationen der Arche Warder

1. **Biedermann, G., W. Hecht, E. Fandrey, H. Rudolph, K. Frölich** (2009) Population genetic analysis of White Park Cattle in Germany. *Archiv Tierzucht* 52 (6) 561-573.
2. **Nikulina, E., U. Schmölcke, und K. Frölich** (2011) Moderne Nachfahren der Wikinger-Schafe? *Archäologische Nachrichten aus Schleswig-Holstein* 17, 77-78.
3. **Ludwig, A., L. Alderson, E. Fandrey, D. Lieckfeldt, T. Soederlund & K. Frölich** (2013) Tracing the genetic roots of the indigenous White Park Cattle. *Animal Genetics* 44, 383-386.
4. **Sorg, D., E. Fandrey, K. Frölich, H.H.D. Meyer, H. Kliem** (2013) The innate immune response of primary bovine mammary epithelial cells from the ancient White Park and Highland cattle compared to the modern dairy breeds Brown Swiss and Red Holstein. *Animal Genetic Resources* 52, 91-104.
5. **Kierdorf, H., U. Kierdorf, K. Frölich, C. Witzel** (2013) Lines of Evidence-Incremental Markings in Molar Enamel of Soay Sheep as Revealed by a Fluorochrome Labeling and Backscattered Electron Imaging Study. *PLOS One* 8 (9), e74597.
6. **Jandowsky, A., E. Fandrey, A. Bodenthin, C. Seyboldt, K. Frölich** (2013) Plötzlicher Tod durch *Clostridium novyi* bei Schweinen in Freilandhaltung. *Tierärztliche Praxis Großtiere* 06, 392-395.
7. **Ballweg, I.C., K. Frölich, E. Fandrey, H.H.D. Meyer, H. Kliem** (2014) Comparison of the meat quality of Turopolje, German Landrace x Turopolje and German Landrace x Pietrain pigs. *Agriculturae Conspectus Scientificus (ACS)* 79 (4), 253-259.
8. **Vituro, E., M. Schlattl, H. Kienberger, M. Rychlik, M. W. Pfaffl, and K. Frölich** (2015) Differences in milk fat composition from four old sheep breeds. *Archive of animal breeding* 58, 351-353.
9. **Ludwig, A., D. Lieckfeldt, U.G.W. Hesse, K. Frölich** (2016) Tracing the maternal roots of the domestic Red Mountain cattle. *Mitochondrial DNA* 27 (2), 1080-1083.
10. **Schröder, O., D. Lieckfeldt, W. Lutz, C. Rudloff, K. Frölich & A. Ludwig** (2016) Limited hybridization between domestic sheep and the European mouflon in Western Germany. *European Journal of Wildlife Research* 62 (3), 307-314.
11. **Ballweg, I.C., K. Frölich, E. Fandrey, H. Kliem, M. Pfaffl** (2016) Comparison of the immune competence of Turopolje, German Landrace x Turopolje, and German Landrace x Pietrain pigs after PRRSV vaccination. *Veterinary Immunology and Immunopathology* 174, 35-44.
12. **Ballweg, I.C., K. Frölich, H. Kliem, M. Pfaffl** (2016) Rassebedingte Immunglobulin G und M Konzentrationsschwankungen im Kolostrum, Milch und Serum von Schweinen. *Zeitschrift für Züchtungskunde* 88 (4), 282-292.
13. **Frölich, K., A. Jandowsky** (2017) Die Bedeutung der Erhaltung vom Aussterben bedrohter Nutztierassen am Beispiel der Arche Warder. *Tierärztliche Praxis Großtiere* 1, 33-41.
14. **Schroeder, O., N. Benecke, K. Frölich, Z. Peng, K. Kaniuth, L. Sverchkov, S. Reinhold, A. Belinskiy, A. Ludwig** (2017) Endogenous retroviral insertions indicate a secondary introduction of domestic sheep lineages to the Caucasus and Central Asia between the Bronze and Iron Age. *Genes* 8, 165, doi:10.3390.
15. **Frölich, K.** (2018) The importance of domestic animal parks for the conservation of agro biodiversity. *Journal of Ecosystem & Ecography* 8, 44.
16. **Kahle, P., C. Witzel, U. Kierdorf, K. Frölich, H. Kierdorf** (2018) Mineral Apposition Rates in Coronal Dentine of Mandibular First Molars in Soay Sheep: Results of a Fluorochrome Labeling Study. *The Anatomical Record* 301, 902-912.

17. **Witzel, C., U. Kierdorf, K. Frölich and H. Kierdorf** (2018) The pay-off of hypsodonty – timing and dynamics of crown growth and wear in molars of Soay sheep. *BMC Evolutionary Biology* 18 (1), 207.
18. **Frölich, K., I. Ballweg, D. Sorg, H. Bostedt, A. Ludwig, G. Breves** (2018) Sind alte Haustierrassen „robuster“?: Untersuchungen zur immunologischen Kompetenz. *Deutsches Tierärzteblatt* 66 (12),1644-1648.
19. **Addo, S.; Klingel, S.; Hinrichs, D.; Thaller, G.** (2019): Runs of Homozygosity and NetView analyses provide new insight into the genome-wide diversity and admixture of three German cattle breeds. *Journal of Ecosystem & Ecography* 8, 44.
20. **Klingel, S.; Hinrichs, D.; Iversen, H.** (2019) Protecting breeding diversity. *Impact* 9, 27-29.
21. **Becker, M.; Witzel, C.; Kierdorf, U.; Frölich, K.; Kierdorf, H.** (2020) Ontogenetic changes of tissue compartmentalization and bone type distribution in the humerus of Soay sheep. *Journal of Anatomy*, 1–21. <https://doi.org/10.1111/joa.13194>.