

## List of publications: Anders Götherström

### Peer-reviewed journal publication

1. \*Götherström, A., Fischer, C., Lindén, K. (1995) X-raying ancient bone, a destructive method. *Laborativ Arkeologi* 8:26-28.
2. \*Götherström, A., Lidén, K. (1996) A modified DNA extraction method for bone and teeth. *Laborativ Arkeologi* 9:53-56.
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4. Lidén, K., Götherström, A., Eriksson, G. (1997) Diet, gender and rank. *ISKOS* 11:158-164.
5. \*Götherström, A., Lidén, K., Ellegren, H. (1997) Horses in the Lake Mälaren valley. Poster abstract published in *Ancient Biomolecules* 1:252.
6. \*Götherström, A., Lidén, K. (1998) Guidelines for work with ancient DNA developed at the Archaeological Research Laboratory. *Laborativ Arkeologi* 10-11:55-57.
7. Lidén, K., Götherström, A., Ellegren, H. (1998) "Alia vero gens ipi moratur Suehans, quae velud Thyringi equis utuntur eximiis", or the excellent horses in svealand. *Laborativ Arkeologi* 10-11:59-64.
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10. Ovchinnikov, I., Götherström, A., Romanova, G.P., Kharitonov, V.M., Lidén, K., Goodwin, W. (2000) Molecular analysis of Neanderthal DNA from the northern Caucasus. *Nature* 404:490-493.
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12. Vilà, C., Ellegren, H., Götherström, A., Leonard, J., Wayne, R. (2001), Tales from the DNA of domestic horses. *Science* 292:217.
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16. Dalén, L., Götherström, A., Tannerfeldt, M., Angerbjörn, A. (2002) Is the endangered arctic fox (*Alopex lagopus*) genetically isolated? *Biological Conservation* 105:171-178.
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18. \*Grundberg, L., Hårding, B., Götherström, A. (2002) Björned – benanalyser ofh kulturhistoriska tolkningar. Undersökningar kring en nordsvenskt begravningsplats från tidig medeltid. *Hikuin*. 27:219-232.
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23. \*Anderung, C., Bouwman, A., Persson, P., Carretero Diaz, J.M., Ortega Martinez, A.I., Arasuaga, J.L., Elburg, R., Smith, C., Ellegren, H., Götherström, A. (2005) Prehistoric contacts over the Straits of Gibraltar indicated by genetic analysis of Iberian Bronze Age cattle. *Proceedings of the National Academy of Sciences U S A* 102:8431-8435.
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37. \*Anderung, C., Persson P, Bouwman A, Elburg R, Götherström, A. (2008) Fishing for ancient DNA. *Forensic Science International: Genetics* 2:104-107.
38. \*Malmström, H., Vila, C., Holmlund, G., Willerslev, E., Gilbert, T., Storå, J., Götherström, A. (2008) Barking up the wrong tree: Modern northern European dogs fail to explain their origin. *BMC Evolutionary Biology* 8:71
39. \*Valdiosera, C., Luis García-Garitagoitia, J., Garcia, N., Doadrio, I., Thomas, M., Hänni, C., Arsuaga, J.L., Barnes, I., Hofreiter, M., Orlando, L., Götherström, A. (2008) Surprising migration and population size dynamics in ancient Iberian brown bears (*Ursus arctos*). *Proceedings of the National Academy of Sciences U S A* 105:5123-5128.
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42. \*Linderholm, A., Malmström, H., Lidén, K., Holmlund, G., Götherström, A. (2008) Cryptic contamination and phylogenetic nonsens, *PLoS ONE* May 28:e2313.
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44. \*Svensson E., Götherström, A. 2008 Temporal fluctuations of Y-chromosomal variation in *Bos taurus*. *Biology Letters* 4:752-4.
45. Dalén, L., Götherström, A., Shapiro, B. (2008) DNA from footprints in the snow. *Canadian Field Naturalist* 121: 321-324.
46. Gilbert et al. including Götherström (2009) Answer to comment on 41 raised by Poinar et al. *Science* 325:148.
47. Miller, W., Drautz, D.I., Janecka, J.E., Lesk, A.M., Ratan, A., Tomsho, L.P., Packard, M., Zhang, Y., McClellan, L.R., Qi, J., Zhao, F., Gilbert, M.T., Dalén, L., Arsuaga, J.L., Ericson, P.G., Huson, D.H., Helgen, K.M., Murphy, W.J., Götherström, A., Schuster, S.C.. The mitochondrial genome sequence of the Tasmanian tiger (*Thylacinus cynocephalus*). *Geonme Research* 19:213-220
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52. Campos, P.F., Kristensen, T., Orlando, L., Sher, A., Kholodova, M.V., Götherström, A., Hofreiter, M., Drucker, D.G., Kosintsev, P., Tikhonov, A., Baryshnikov, G.F., Willerslev, E., Gilbert, M.T. (2010) Ancient DNA sequences point to a large loss of mitochondrial genetic diversity in the saiga antelope (*Saiga tatarica*) since the Pleistocene. *Molecular Ecology* 19:4863-75.
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57. Rodríguez, R., Ramírez, O., Valdiosera, C.E., García, N., Alda, F., Madurell-Malapeira, J., Marmi, J., Doadrio, I., Willerslev, E., Götherström, A., Arsuaga, J.L., Thomas, M.G., Lalueza-Fox, C., Dalén, L. (2011) 50,000 years of genetic uniformity in the critically endangered Iberian lynx. *Molecular Ecology* 20:3785-95.
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59. \*Malmström, H., Vretemark, M., Tillmar, A., Durling, M.B., Skoglund, P., Gilbert, M.T., Willerslev, E., Holmlund, G., Götherström, A. (2012) Finding the founder of Stockholm - a kinship study based on Y-chromosomal, autosomal and mitochondrial DNA. *Ann Anat* 194:138-45.
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66. Skoglund, P., Storå, J., Götherström, A., Jakobsson, M. (2013) Accurate sex identification of ancient human remains using DNA shotgun sequencing. *Journal of Archaeological Science* 40:4477-4482.
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74. Raghavan, M. et al. 56 authors including Götherström, A. (2015) The genetic prehistory of the new world Arctic. *Science* 345:1020-29.
75. Krzewińska, M., Bjørnstad, G., Skoglund, P., Olason, P.I., Bill, J., Götherström, A., Hagelberg, E. (2015) Mitochondrial DNA variation in the Viking age population of Norway. *Proceedings of the Royal Society London B* 370.
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#### **Books and book chapters**

1. Lidén, K., Götherström, A. (1997), Slätskap och genus under mellanneolitikum på Gotland, In *Till Gunborg, Arkeologiska samtal* (eds. Åkerlund, A., Bergh, S., Nordbladh, J. & Taffinder, J.) 189-198, Stockholm.
2. Götherström, A. (1997), Slätskap, familj, och kön – DNA och arkeologi, In *Ajvide och den moderna arkeologin*, (ed. Burenhult, G.) 95-104, Stockholm.
3. Götherström, A., Lidén, K., Ellegren, H. (1997), Hästar från yngre järnåldern i Mellansverige, En analys av hästtyper med molekylära metoder, in *SIV, Svealänd i Vendel- och Vikingatid, Studier*

- från delprojekten vid Stockholms Universitet, (eds. Arrhenius, B. & Eriksson, G.) 29-34, Stockholm.
4. Lidén, K., Götherström, A. (1997), Lägesrapport för projekt 3, "Släktskap och nutrition", in SIV, Svealand i Vendel- och Vikingatid, Studier från delprojekten vid Stockholms Universitet, (eds. Arrhenius, B. & Eriksson, G.) 26-28, Stockholm.
  5. Götherström, A. (2000), Osteologi och DNA analyser. Osteologisk materiale som historisk kilde. Senter for Middelalderstudier.
  6. Persson, P, Götherström, A. (2005) DNA från förhistorisk vävnad. Nordisk lærebog i antropologi. (eds. Lynnerup, N. & Bennike P.), Köpenhamn.

#### **Other publications**

1. Götherström, A. (1997), Kommentar till Bo Sandelin och Nikias Sarafoglou, Ekonomisk Debatt 25:307-308.
2. Leden ,I., Svensson, B., Hårding, B., Nuorala, E., Liden K., Götherström, A. (2002) Paleopathology can be beneficial for current rheumatologic research, Läkartidningen 99:1060.

## **Thesis**

**Götherström, Anders** (2001)

Acquired or inherited prestige? Molecular studies of family structures and local horses in Central Svealand during the Early Medieval period. Theses and Papers in Scientific Archaeology 4. Archaeological Research Laboratory, Stockholm University.