

The Faculty of Humanities of the University of Oulu, Finland, announces a three-year **Postdoctoral Researcher Position**

in bioarcheological research community to start at the beginning of May, 2015. Description Bioarchaeological research community (BARC) at University of Oulu, Finland, is looking for a talented and research-oriented postdoctoral researcher. This position is for three years. The postdoctoral researcher is expected to make a contribution to multidisciplinary research of this research community by bringing in expertise in at least one of its areas of research. This research community was rated as "outstanding" (6/6) in the most recent research assessment exercise at the University of Oulu in the category "research on the threshold of international breakthrough" in 2013. It examines the effects of environmental and cultural changes on both humans and animals in northern Europe focusing on Finland and neighboring regions. The effects of neolithization, modernization and urbanization are under particularly close scrutiny. The main study materials include archaeological materials (biological and non-biological materials), museum collections and clinical samples. A broad range of methods and techniques are thus utilized from those used in archaeological and historical research to those used in bone imaging and biomolecular research. Due to this multidisciplinary research, this research community includes four research teams divided between three faculties. The four research teams are as follows: The Post-Pleistocene Evolution of Human Skeleton (Docent Markku Niskanen, Archaeology, Faculty of Humanities) utilizes osteometric and bone imaging techniques to examine temporal and geographic variation in human body size, body shape and skeletal robusticity and how these are related to environmental and cultural changes. Bioarchaeology of human-animal interactions: biomolecular and osteoarchaeological analyses of human and animal bones (Prof. Jouni Aspi, Biology, Faculty of Science) explores human-animal relationships (e.g. domestication) through ancient DNA (aDNA), stable isotope and osteological analyses. Material culture and the modernization of the north (Dr. Timo Ylimaunu, Archaeology, Faculty of Humanities) examines the development of society from the medieval period to the present. The focus is on examining the dynamics of modernization, globalization and consumption processes and human-environmental relationship in Northern Fennoscandia as a part of the globalizing world. Human Biology and Comparative Anatomy (Prof. Juha Tuukkanen, Anatomy and Cell Biology, Faculty of Medicine) concentrates on functional relationship in morphology between temporally distinct populations. The main research focus is temporal trends in overall skeletal morphology, bone microstructure and biomechanical properties. The postdoctoral researcher is expected to carry out research and participate in publishing research results in peer-reviewed journals. Some teaching and/or administrative duties may be included, but would take 10% of the working hours at the maximum. It is our hope that this position would help the postdoctoral researcher to develop his/her own scientific networks through research collaboration, and that this position would be a step towards a position as a more senior and independent researcher able to develop his/her own projects. This position is officially based at the Faculty of Humanities, University of Oulu, Finland. In practice, the postdoctoral researcher will work in facilities, which best suit his/her actual work for this research community. Qualifications The candidate's research should interface with research conducted in one or more of the four research teams. He/she must have earned his/her doctorate no more than seven years before the application deadline. This doctoral degree should be in archaeology (including historical archaeology, osteoarchaeology, biomolecular archaeology), biological anthropology, biology, biomedicine or a related field. In addition,

he/she should have a record of scientific achievements (e.g. peer-review publications). International mobility and experience of teaching and/or academic supervision are advantages. In addition, we appreciate ability for independent research, high motivation and efficiency, as well as ability to co-operate and work as a research team member. We are primarily (but not exclusively) searching for a researcher, who is familiar with bioinformatics and computational genomics. Previous experience in handling NGS data using scripts and analysis pipelines is desirable. Other highly useful skills and/or experiences include computer programming, population genetics, wet lab analysis, genome assembly and annotation, and/or paleodietary studies (e.g. stable isotope analyses). Representatives of other fields of research (general archaeology, historical archaeology, osteoarchaeology, etc.) are, however, strongly encouraged to apply. A candidate who most likely strengthens research of our entire research community by being able to interface with more than one research team will be selected for this position. Salary The salary of the postdoctoral researcher will be set on levels 5džV6 of the national salary scale for the teaching and research staff of Finnish universities. In addition, supplementary remuneration will be given for personal achievement and performance, the sum rising to a maximum of 46.3% of the salary scale. In practice, the salary will be about 3300 džV 4000dždž at the start of the period. Applications Applications, including any attachments, should be submitted by using the electronic application form

by 23 March 2015

at the following address:

http://www.saimanet.com/certiahome/open_jobs_view_new.html?did=5600&lang=en&p;jc=1&new_job_request=true

For further information, contact Docent Markku Niskanen, tel. +358 0294483288, email: Markku.Niskanen(at)

oulu.fi

. Applications must include the following documents: A brief curriculum vitae (max 3 pages). A certificate of a doctoral degree. A list of publications sub-divided in the following way: (a) articles published in refereed journals; (b) articles in collections of refereed scholarly or scientific papers and in refereed conference proceedings; (c) scholarly or scientific monographs; (d) other scholarly or scientific publications in, for example, non-refereed journals and academic proceedings, and home university or departmental series.

A brief research and publication plan, with the emphasis on how the proposed research would advance and relate to the objectives of the research community bioarcheological research (max 5 pages). The language of the research and publication plan must be English. All other documents may be either in English or Finnish. Prof. Jouni Aspi Biodiversity Unit Department of Biology PO. Box 3000 90014 University of Oulu FINLAND