



**Postdoc position (E13 100%)
Max Planck Institute for the Science of Human History, Jena, Germany**

The department for **Archaeogenetics** at the **Max Planck Institute for the Science of Human History** in Jena, Germany, is offering a position for a Postdoc in Population Genetics (E13 100%) for up to four years, starting in spring/summer 2018.

The overarching research topic in the department of Archaeogenetics is the use of novel scientific approaches from high throughput sequencing of **ancient DNA from human populations** and their **pathogens** to explore research questions related to human history, gene-culture coevolution, and adaptation to infectious disease.

The candidate's job will be the **analysis of human genomic data** from ancient and modern samples to reconstruct population history. The goal is to understand genetic diversity and substructure of Neolithic and Bronze Age populations, with a particular emphasis on **West-Eurasia**. To this end, the candidate will use statistical methods to quantify ancestral relationships, such as PCA, admixture, and f-statistics. We will also develop explicit tree- and graph-based population-genetic models for common ancestry and admixture between different groups of samples to understand order and timing of historical events.

The ideal applicant should have completed a PhD in genetics, bioinformatics, and computer science or relevant neighboring disciplines, worked with large high-throughput sequencing or SNP datasets, and a profound interest in human history. Prerequisites also include evidence of strong oral and written communication skills and the ability to complete tasks in a timely and structured fashion.

For detailed information on the institute please visit our website: <http://www.shh.mpg.de/en>.

The Max Planck Institute for the Science of Human History promotes women and encourages especially women to apply. Handicapped candidates will be given priority in case of the same professional qualification.

Please submit a letter of interest detailing how you meet the qualifications, curriculum vitae (indicating previous academic performance indicators, publication history, and prior research experience), and contact information for three references to:

E-mail: dag-jobs@shh.mpg.de

For more details on the research program please contact

Prof. Johannes Krause, E-mail: krause@shh.mpg.de

Dr. Wolfgang Haak, E-mail: haak@shh.mpg.de

Dr. Stephan Schiffels, E-mail: schiffels@shh.mpg.de