

postdoctoral and PhD positions

The Computer-assisted Paleoanthropology group of the Anthropological Institute of the University of Zurich invites applications for a postdoctoral or a PhD position in

High-performance computing and individual-based modeling of human populations under climate stress

Postdoctoral position:

Candidates should have a strong background in high-performance parallel computing (e.g. physics/chemistry or computer science) and computational (multiscale) modeling. They are expected to expand their current expertise into areas such as ecological/population modeling and biological anthropology.

The position is for two years. Entry date: September 2011 or later.

PhD position:

Candidates are expected to have a strong background in computational physics and/or computational biology, and have a keen interest in performing cross-disciplinary research. Thesis work will be under the supervision of the Anthropological Institute (University of Zurich) and the Institute of Theoretical Physics (ETH).

The position is for three years. Entry date: September 2011 or later.

Both positions are integrated in a transdisciplinary research project uniting high-performance parallel computing with individual-based modeling to simulate climate-driven human dispersals. The positions provide a unique opportunity for young researchers to initiate their career in an emerging research area with great future potential. The successful candidates will join a highly motivated research team of biological anthropologists, neuroscientists, computer scientists, and theoretical physicists. Research will be performed at the Anthropological Institute of the University of Zurich and the Swiss National Supercomputing Centre.

Applications should include a cover letter indicating for which position you apply, short statement of research interests, CV, publications, and addresses of two referees. Please send application as a single-pdf document to:

Ch. Zollikofer (zolli@aim.uzh.ch; cc to office.morpho@aim.uzh.ch).

Closing date for applications: Send your application before August 15, 2011, to ensure full evaluation. Reviews of applications, however, will proceed until position is filled.

For further information please consult www.aim.uzh.ch/morpho/wiki, www.cscs.ch, www.hp2c.ch, or contact Ch. Zollikofer (zolli@aim.uzh.ch), Anthropological Institute, UZH, and/or Th. Schulthess (schulthess@cscs.ch), Institute of Theoretical Physics, ETHZ.