



## Postdoctoral Fellow Position – Paleo climate-genomics in Africa

- Employer: IBS Center for Climate Physics (ICCP)
- Location: Pusan National University, Busan, South Korea
- Education Level: PhD
- Job type: Postdoctoral Fellow
- Salary: 50 million KRW/year (~45,000 USD)
- Term: Full Time, 2 year, with possibility for renewal

Applicants for this position should have a PhD in climate science, meteorology, applied mathematics, geology or a related field. Postdoctoral Fellows are expected to have a strong background in climate reconstructions, interest in climate modeling and observational data analysis. We expect candidates to show a high level of independence, curiosity and creativity, and an interest in working in an international and interdisciplinary research environment. The successful candidate will work with Prof. Axel Timmermann (Director of ICCP) and in collaboration with Prof. Vanessa Hayes (Garvan Institute of Medical Research, Australia) to develop a better understanding of the drivers of past climate variations in Africa (250,000 - 10,000 years B.P.) and how these changes may have impacted the migration of early *Homo sapiens* and the development of genetic and cultural diversity. This research will synthesize paleo-climate model simulations with paleo-proxy reconstructions and genomic datasets of deep-rooting mitochondrial lineages. To gain more information on the climatic context of key periods of human evolution in Africa, we plan to conduct a series of very high resolution coupled paleo-climate model simulations using NCAR's Community Earth System model. The simulations will be conducted on our newly purchased Cray XC-50 supercomputer. The successful candidate will engage in multi-disciplinary activities in the newly emerging field of climate-genomics.

The IBS Center for Climate Physics (ICCP), (<http://iccp.ibs.re.kr>) was founded in 2017 by Axel Timmermann, and it is dedicated to advancing the understanding of natural climate variability, man-made climate change and their impacts on the hydrological cycle, regional processes, ice-sheets, and sea level. The ICCP is generously funded through the Institute for Basic Science (IBS) (<http://ibs.re.kr>). ICCP is located in Busan, the second largest city in South Korea and the ninth largest port city in the world. Surrounded by ocean and mountains, the city has a dramatic natural background. From designer cafes, international movie and art festivals, award-winning restaurants to temples at the end of hiking trails, Busan has something to offer for everyone.



IBS Center  
for Climate Physics

Room No. 1107, Tonghapgyegwan Bldg.  
Busandaehak-ro 63beon-gil 2  
Geumjeong-gu, Busan, Korea (46241)

T +82-51-510-7691  
F +82-51-510-7694

E-mail: [ibscclimate@pusan.ac.kr](mailto:ibscclimate@pusan.ac.kr)  
Web: [iccp.ibs.re.kr](http://iccp.ibs.re.kr)



Please submit a cover letter, a short statement of your research interests, curriculum vitae, the name of 2 references, and up to three publications to Ms. U-Jeong Seo ([u\\_jeongs@pusan.ac.kr](mailto:u_jeongs@pusan.ac.kr)). If you have any further questions regarding these positions, please contact Axel Timmermann ([timmermann@pusan.ac.kr](mailto:timmermann@pusan.ac.kr)). The position remains open until filled.