

## POSTDOCTORAL POSITION IN THE SCHOOL OF DENTISTRY - STATISTICS

Applications for a Postdoctoral Fellowship in Statistics at the University of Alberta are currently being accepted. This position involves developing new methods, based on advanced statistics, computational topology, and deep learning, for complex and high-dimensional data that arise in biomedical studies. Under the supervision of Dr. Giseon Heo (PhD in statistics), the postdoctoral fellow (PDF) will work with a research team of statistics graduate students and clinicians in the School of Dentistry - University of Alberta, Edmonton, Alberta Canada.

Dr. Heo's research team concentrates on biomedical data, such as multiple time series from polysomnography, 3D craniofacial data, metabolomics, epigenetics, exposomics, medical records, and multiple questionnaires. It is anticipated that the PDF will also aid in the preparation of manuscripts and presentations.

Teaching opportunities in the Department of Mathematical and Statistical Sciences, University of Alberta, are also possible if that suits an applicant's career plan, but are not required as full funding is available.

### Criteria

- A PhD in statistics or a related field, is required
- Strong abilities in statistics, topological data analysis, and deep learning
- A demonstrated record of research
- Strong programming skills in the R language, C++, Matlab, R package TDA, Python, TensorFlow, and Unix are also necessary.

An annual salary of \$50,000 CAD, including benefits, accompanies this position. There may be additional financial support from external agencies such as the Pacific Institute for the Mathematical Sciences (PIMS), The Mathematics of Information Technology and Complex Systems (Mitacs), NSERC, or the Canadian Statistical Sciences Institute (CANSSI) are possible.

The expected start date of the position will be on or before September 1, 2018. This position has a one year term, and may be renewed for a second year subject to the progress of the research project.

### To Apply:

Please send by **July 1, 2018** (1) a letter of interest, (2) curriculum vitae, and (3) the names and contact information of three references by email to Dr. Giseon Heo ([gheo@ualberta.ca](mailto:gheo@ualberta.ca)). Please state "Postdoc" in the subject field.

In your cover letter, ensure you explain how your expertise and research experience satisfies the requirements mentioned above. Also, please include a statement regarding how this post-doctoral position would enhance your career. Consideration of applicants will continue until the position is filled.

### Closing date:

Position open until filled

**We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.**

*The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas to the University to apply.*