



PhD Position - Institute of Health Economics

The role of age at menopause in atherosclerosis and cardiovascular disease

Applicants are invited for a 4-year PhD position (30 hours per week, available immediately) at the Medical University of Innsbruck. The PhD student will be working at the Institute of Health Economics (for more information, see <https://clinicalepi.i-med.ac.at/>) led by Prof. Peter Willeit and will be supervised by Assist. Prof. Lena Tschiderer.

The project focuses on the role of age at menopause in atherosclerosis and cardiovascular disease. It is known that women with earlier menopause are at higher risk for cardiovascular disease later in life, but the specific mechanisms behind this association are not well understood. Therefore, we aim to investigate the role of menopause in the development of cardiovascular disease by studying markers for atherosclerosis and omics data. The project will deal with large-scale data from the Prospective Studies of Atherosclerosis (Proof-ATHERO) consortium, an international collaboration of studies focusing on atherosclerosis and cardiovascular disease, which is the worldwide largest consortium with repeat assessments of markers for atherosclerosis. In addition, individual-level data from the UK Biobank will be analyzed. Consequently, the applicant is intended to be enthusiastic about working with large-scale datasets and motivated in conducting statistical analyses using sophisticated methods (e.g., individual-participant-data meta-analysis).

Your profile

- Master's degree in a relevant subject such as epidemiology, public health, data science, mathematics, bioinformatics, medical sciences, or equivalent
- Interest in research on sex differences in cardiovascular diseases
- Being motivated of learning new tasks and being able to work independently
- Programming skills in statistical software (e.g., R or Stata) or being enthusiastic about learning a programming language

We offer

- An interesting research project using cutting-edge statistical methods
- Integration into an interdisciplinary team of researchers at the Institute of Health Economics
- International collaborations
- Payment according to the "Kollektivvertrag" at the Medical University of Innsbruck

Applications

Please send your application (PDF-format) until February 28th 2024 to bewerbung@i-med.ac.at mentioning the application number MEDI-19219.

For further information, please contact lena.tschiderer@i-med.ac.at.