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Postdoctoral Fellow in Social Epidemiology Specialising in Working Life Expectancy

at [the Stress Research Institute](#). Closing date: 19 August 2019.

The Stress Research Institute is a leading national research centre in the areas of stress, sleep and health. Being part of the Faculty of Social Sciences at Stockholm University, our institute fosters an interdisciplinary environment, enabling collaborations across social sciences, demography, psychology, epidemiology, public health and medicine. The institute is organised into three research units and has a research laboratory. About 35 people work at the institute, which is located on lake Brunnsviken in Frescati, Stockholm.

Project description

The position is hosted by the Epidemiology Unit and relates to research carried out within the project "Sustainable Work in an Ageing Population (SWAP): Multinational analyses of the social, occupational and health-related determinants of working life expectancy." The overall aim of this project is to use some of the best characterised cohort studies from advanced Western economies to investigate determinants of working life expectancy (WLE) as a holistic measure of active labour market participation. The specific objectives are to model WLE in relation to:

- 1) socio-demographics (gender, education, occupation, and income)
- 2) physical demands at work
- 3) psychosocial work environment (psychological demands, control, effort-reward imbalance, and organisational justice)
- 4) work time control
- 5) social circumstances (marital status and informal caregiving)
- 6) health (chronic conditions and self-rated health)
- 7) health behaviours (physical activity, BMI, smoking and alcohol consumption)
- 8) sleep and
- 9) motivation (future time perspective, work motivation and retirement planning).

Within the current context of global population ageing, this project will provide invaluable knowledge for social policy, regarding the impact of demographic factors, socioeconomic inequalities, occupational conditions and health on later life labour market participation within a cross-national comparative perspective.

The project will offer the successful candidate the opportunity to work and publish with leading international collaborators within the project at the following universities and institutes: Karolinska Institutet and University of Gothenburg (Sweden); University College London (UK); INSERM (Institut National de la Santé et de la Recherche Médicale, France); University of Copenhagen and the National Research Centre for the Working Environment (Denmark); and University of Turku (Finland) with possibilities to extend the collaboration to further countries and universities.

Main responsibilities

The main responsibilities will be:

- to adapt for the project and develop existing scripts/programmes previously used for the analysis of healthy life expectancy using multistate life table methods and micro simulations using Markov chain modelling for the estimation of WLE
- to acquire, harmonise and analyse the data from multiple international longitudinal studies
- to write original research papers in collaboration with colleagues
- to take part in other research activities, e.g., presenting findings at conferences and writing grant applications.

Qualification requirements

Postdoctoral positions are appointed primarily for purposes of research. Applicants for this postdoctoral position are expected to hold a doctoral degree in demography, statistics, epidemiology, quantitative sociology, economics or an equivalent degree relevant for the project.

Assessment criteria

The degree should have been completed no more than three years before the deadline for applications. An older degree may be acceptable under special circumstances, which may involve sick leave, parental leave, clinical attachment, elected positions in trade unions, or similar.

In the appointment process, special emphasis will be given to knowledge relevant to the project. Special emphasis will also be given to skills in longitudinal data analysis, data management and

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