



PHD POSITION IN BIOSTATISTICS AND SPORTS MEDICINE - OSLO SPORT TRAUMA RESEARCH CENTER - NORWEGIAN SCHOOL OF SPORTS SCIENCES

The Norwegian School of Sport Sciences (NIH) is a specialized university and serves as the premier education and research institution of sport science in the Nordic countries. Our mission is to educate, investigate and present a broad range of topics within theoretical and practical sport science. Our Bachelor's degree, Master's degree and PhD programmes aim to be of great relevance. NIH has approximately 1300 students and a staff of 220 in five departments, six administrative units and two research centres. The campus and sports facilities are located near Sognsvann. For more information on NIH, visit <http://www.nih.no>.

The aim of the Oslo Sports Trauma Research Center is to prevent injuries and other health problems in sports through research on risk factors, injury mechanisms, and prevention methods, with a particular focus on football, team handball, and alpine skiing/snowboarding. For more information, visit www.ostrc.no

PhD position in Biostatistics and Sport Medicine

The position

Oslo Sport Trauma Research Center (OSTRC) is seeking a dedicated and enthusiastic candidate for a full time PhD position in biostatistics and sports medicine. The position is funded by OSTRC and available for three years, with a possible extension of the period to include biostatistical advising to other research projects at OSTRC and the Department of Sports Medicine.

Project description

A common research question in sports medicine is to study the relationship between workload and risk of injuries or other health problems. To explore this relationship, data on the amount and intensity of training and competition together with injury and health status are collected at multiple time points for each athlete, such as every week or at every training session and competition, for a fixed time period, say six months. This type of data is called intensive longitudinal data (ILD) and comes with both opportunities (the ability to study very specific and detailed research questions) and challenges (missing data and complex data structures). The topic of how to analyze ILD is quickly gaining attention in the sports medicine literature; however, no consensus has emerged on the recommended statistical approach.

The overall aim of this PhD project is to use cutting-edge statistical tools and models to analyze ILD. Both real life data from OSTRC and simulated data will be used to evaluate and compare the properties of different statistical approaches.

The project has collaborators from OSTRC and Oslo Centre for Biostatistics and Epidemiology (OCBE), which is one of Europe's largest biostatistical research groups. It will be led by Morten Wang Fagerland, a senior biostatistical researcher both at the Norwegian School of Sports Sciences and OCBE.

This is an opportunity to join one of the world's leading research centers on injury mechanisms and prevention methods in sports, to work on a problem of great interest and importance. The knowledge gained from this project will guide current and future research projects at OSTRC.

Competence requirements

- Applicants must hold a Master degree in statistics/biostatistics, epidemiology, sports medicine, or a related field
- Strong interest in sports medicine and biostatistical methods
- Good computer programming skills
- Good communication and collaborative skills
- Ability to work independently and efficiently
- Excellent motivation to work with and solve multidisciplinary problems

Other requirements

Written and verbal knowledge of a Scandinavian language is appreciated but not formally required. Shortlisted candidates will be interviewed as soon as possible after the closing date.

Working conditions

- Salary is offered according to the Norwegian State pay scale, employment code 1017/1378 (Doctoral research fellow)
- Daily workplace will be at NSSS and he/she will become member of OSTRC and the Department of Sports Medicine
- The appointment will be made according to the terms applying to civil servants
- The NIH is a member of the Norwegian State Pension Fund

NIH personnel and recruitment policy aims at taking into account the diversity of the Norwegian population to the greatest possible extent. It is an explicit aim to search for age and gender balance and to recruit competent applicants with minority background. Women and persons with minority background are encouraged to apply. The public workforce must reflect the diversity of the Norwegian population to the greatest possible extent. NIH personnel policy objective is to achieve a balanced age and gender mix.

Applications will be handled according to the relevant regulations as defined in the Norwegian Open Files Act.

The Norwegian School of Sport Sciences has an agreement for all employees, aiming to secure rights to research results and intellectual property.

How to apply

Applications are accepted using an on-line application procedure (www.nih.no) before May 15, 2019. The application must be written in English. Other documents should be in English or in any Scandinavian language. Foreign applicants are required to attach an explanation of their University's grading system.

In addition to the electronic CV registered through our website, the applicant must submit:

- A personal application letter, including motivation for the position
- CV (summarizing education, positions and academic work including publications, Master theses etc.)
- Copies of educational certificates and grades
- Names, email and telephone number of 2-3 referees (describe relation to applicant)

In cooperation with the supervisor, the candidate is expected to draft a research proposal including an overall work plan within 1 month after appointment. The application will be treated in accordance current guidelines for PhD research fellow appointment. For additional information about the PhD program, including regulations and application form, please see <https://www.nih.no/en/research/ph.d-program/>

Contacts

Further information concerning the position can be obtained from:

- Associate Professor Morten Wang Fagerland, e-mail: m.w.fagerland@nih.no, telephone +47 41504614
- Senioradvisor Gro Styrmø telephone: 23 2620 31 (PhD programme/approval)
- HR advisor Jan Wangen: jan.wangen@nih.no, telephone +47 41413035

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