



PhD fellowship in poor performance in the athletic horse at the Department of Veterinary Clinical Sciences

Faculty of Health and Medical Sciences

University of Copenhagen

We are offering a PhD fellowship in equine exercise physiology emphasis equine cardiology commencing 31.12.2020 or as soon as possible hereafter.

Our group and research

The Department of Veterinary Clinical Sciences is subdivided into seven sections and the PhD fellow will be included in the Section for Medicine and Surgery based at Taastrup Campus. The Section's priorities are clinically applied research in large animal diseases and welfare (equine, bovine and small ruminants) as well as clinical and didactic teaching.

The PhD fellow will be part of an international network of dedicated researchers specialized in cardiology and equine medicine with emphasis on equine cardiology. (www.ecg.ku.dk). This study relies on advanced diagnostics such as atrial mapping and loop recorder implantation already established in our research group.

Project description

Poor performance in horses is one of the most important problems in equine industry and can have a wide variability of reasons, for example respiratory, cardiovascular or muscular disorders. Aim of the project is poor performance evaluation with focus on arrhythmias (here especially atrial fibrillation) but also other possible reasons for poor performance. The project will be composed of two main work packages:

- *Prevalence of paroxysmal atrial fibrillation (PAF) in healthy horses.* Loop recorders will be implanted in a number of horses (standardbreds and warmblood horses), which are followed over a period of time. Work-Up of the horses includes ECG and Echo as well as endocardial biopsies in a selected number of cases.
- *Causes of poor performance in horses.* In order to elucidate underlying causes of poor performance horses presented with poor performance in the clinic are included in this prospective clinical study. All horses will be enrolled in a standardised protocol including advanced cardiovascular diagnostics, Airway evaluation muscular evaluation and biomarkers of inflammation.

These investigations will hopefully lead to new insight in the occurrence and treatment of disorders leading to poor performance in horses.

Principal supervisor is Associate Professor Charlotte Hopster-Iversen, PhD, Dipl. ECEIM; Section of Medicine and Surgery, Department of Veterinary Clinical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen. Charlotte.Hopster-Iversen@sund.ku.dk, Phone: + 45-91961538.

Start: 31.12.2020

Duration: 3 years as a PhD student

Job description

Your key tasks as a PhD student at SUND are:

About the position

Workplace: Department of Veterinary Clinical Sciences

Work hours: Full time

Hiring type: Fixed-term employment

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Links

Homepage: <https://dyrehospitalet.ku.dk/>

Advice for your application:
<http://jobportal.ku.dk/alle-opslag/>

Apply for position

Application due: 21-09-2020

[Apply](#)

- Carry through an independent research project under supervision
- Complete PhD courses or other equivalent education corresponding to approx. 30 ECTS points
- Participate in active research environments including stays at another research team and international travel
- Obtain experience with teaching or other types of dissemination related to your PhD project
- Teach and disseminate your knowledge
- Write a PhD thesis on the grounds of your project

Key criteria for the assessment of applicants

- Qualifications corresponding to a master's degree in veterinary medicine (DVM)
- Fluency in written and spoken English. Danish knowledge is an advantage but not absolutely necessary
- Drivers license

Applicants with the following professional and personal qualifications will be highly advantaged:

- High grade point average achieved
- Professional qualifications relevant to the PhD project
- Experimental animal license
- Published work
- Postgraduate or relevant work experience
- Internship or equivalent
- Curious mind-set with a strong interest in equine performance and internal medicine
- Excellent communication skills
- Well-developed collaborative skills and a team player

Place of employment

The place of employment is at Department of Veterinary Clinical Sciences, Taastrup Campus, Faculty of Health and Medical Sciences, University of Copenhagen. We offer creative and stimulating working conditions in dynamic and international research environment. Our research facilities include modern laboratories and equine hospital facilities.

Terms of employment

The employment as PhD fellow is full time and for 3 years.

It is conditioned upon the applicant's successful enrolment as a PhD student at the Graduate School at the Faculty of Health and Medical Sciences, University of Copenhagen. This requires submission and acceptance of an application for the specific project formulated by the applicant

The PhD study must be completed in accordance with The Ministerial Order on the PhD programme and the Faculty's rules on achieving the degree. Salary, pension and terms of employment are in accordance with the agreement between the Ministry of Finance and The Danish Confederation of Professional Associations on Academics in the State. Depending on seniority, the monthly salary begins around 27.590 DKK /approx. 3.700 EUR (April 2020-level) plus pension.

Questions

For specific information about the PhD fellowship, please contact the principal supervisor.

General information about PhD study at the Faculty of Health and Medical Sciences is available at the Graduate School's website: <https://healthsciences.ku.dk/phd/guidelines/>

Application procedure

Your application must be submitted electronically by clicking 'Apply now' below. The application must include the following documents in PDF format:

1. Motivated letter of application (max. one page)
2. Project description (max. one page) describing how you imagine the project
3. CV incl. education, experience, language skills and other skills relevant for the position

4. Master of Science diploma and transcript of records. If not completed, a certified/signed copy of a recent transcript of records or a written statement from the institution or supervisor will do

5. Publication list (if possible)

Application deadline: 21 September 2020, 23.59plm CET

We reserve the right not to consider material received after the deadline, and not to consider applications that do not live up to the abovementioned requirements.

The University wishes our staff to reflect the diversity of society and thus welcomes applications from all qualified candidates regardless of personal backgrounds.

The further process

After the expiry of the deadline for applications, the authorized recruitment manager selects applicants for assessment on the advice of the hiring committee. All applicants are then immediately notified whether their application has been passed for assessment by an unbiased assessor.

The assessor makes a non-prioritized assessment of the academic qualifications and experience with respect to the above-mentioned area of research, techniques, skills and other requirements listed in the advertisement.

Once the assessment work has been completed each applicant has the opportunity to comment on the part of the assessment that relates to the applicant him/herself.

You can read about the recruitment process at <http://employment.ku.dk/faculty/recruitment-process/>

The applicant will be assessed according to the Ministerial Order no. 242 of 13 March 2012 on the Appointment of Academic Staff at Universities.

The Faculty of Health and Medical Sciences comprises approximately 7500 students, 1500 PhD students and 3200 employees. The Faculty advances the field of health sciences through its core activities: research, teaching, knowledge sharing and communication. With basic research fields ranging from molecular studies to studies of society, the Faculty contributes to a healthy future through its graduates, research findings and inventions benefitting patients and the community. The University of Copenhagen wishes to reflect the surrounding community and invites all regardless of personal background to apply for the position.

Part of the International Alliance of Research Universities (IARU), and among Europe's top-ranking universities, the University of Copenhagen promotes research and teaching of the highest international standard. Rich in tradition and modern in outlook, the University gives students and staff the opportunity to cultivate their talent in an ambitious and informal environment. An effective organisation – with good working conditions and a collaborative work culture – creates the ideal framework for a successful academic career.