

## **Professor in Virology**

DTU Vet invites applications for a position as Professor in Virology.

DTU Vet conducts veterinary and medical research, education, scientific advice to public authorities and diagnostic services at the highest level to improve the health and welfare of animals and people in society. The department is national veterinary reference laboratory and is responsible for the laboratory part of the veterinary contingency plan.

DTU Vet plays a central role in creation of the future of veterinary and human medicine through excellence in research, scientific advice, education and diagnostic services. The department achieves this vision by the improvement of an entrepreneurial culture of leadership in basic and strategic research and by incorporating the findings into education, consultancy, and industry partnerships. In collaboration with DTU departments and the veterinary and medical communities, the department will give rise to the next generation of life science oriented engineers.

The professor will be attached to the Section for Virology, one of the five Sections comprising the Department employing 220 persons.

The section for virology strives to increase the current knowledge of new and existing viral pathogens, to bridge animal and human health and life science and engineering. We collaborate with leading partners, both nationally and internationally, in order to contribute new scientific discoveries, develop innovative tools and services and novel types of interventions. We conduct virus infection experiments from the molecular level to the disease level within a range of appropriate 'state of the art' containment facilities.

### **Research focus areas:**

- MOLECULAR VIROLOGY with focus on Influenza virus and other major viral pathogens - preferentially integrating human and animal health aspects.
- VIRULENCE AND ZOONOSIS - Research on virulence factors, processes and mechanisms underlying zoonotic behavior and pathogenesis within the natural host animals.
- DISEASE MECHANISMS - Research on host-pathogen interactions, on immune-escape mechanisms and adaptation, and on quantitative aspects of molecular evolution, aiming at the development of vaccines or other tools for intervention and control.

### **Responsibilities and tasks**

The duties are mainly research and teaching, as well as external collaboration and research management:

- Research (including publication/scientific dissemination duties)
- Teaching
- Complementing the ongoing research activities in the section for virology within one of or a combination of the sections research focus areas.
- Support and strengthen the institutes ability to continue to give advice to authorities and industry at highest level
- Integrating the virology research program with engineering activities at DTU
- Attract external research funding
- Innovation activities, and participation in the development of the next generation diagnostic tools, contingency and preparedness systems towards emerging virus diseases
- Supervision of PhD students and post docs
- Other duties:
  - Knowledge sharing at the institute, at DTU and with the public
  - Academic assessment work.

The professor is expected to establish synergies between his/her own research and other related research activities, and to develop fruitful collaborations with other research groups both within the

National Veterinary Institute, other institutes at DTU and externally both at the national and international level and with both academia and industry.

The successful candidate is expected to take a lead position in teaching at the bachelor-, master- and PhD levels.

### **Qualifications**

The qualification requirements will be a positive professor evaluation. It should be noted, however, that emphasis will be placed on research excellence, on being in possession of documented original scientific production and on documented ability to attract external research funding.

The qualification requirements are as follows:

- A high degree of original scientific production at the international level that has contributed to the further development of a research field within virus infections in livestock
- Teaching
- Proven ability to connect research with societal impact and value
- Initiative and impact on sponsors, clients and collaboration partners.
- Significant contribution to research and PhD supervision.

### **Assessment**

In the assessment of the candidates consideration will be given to

- scientific production at international level, research potential and ability to lead and develop a research team
- the ability to teach
- the ability to promote and utilize research results
- experience with innovation activities
- an all-round experience basis, including international experience
- the ability to contribute to the development of the Department's internal and external cooperation
- track record in attracting funding to the research area
- visions within the research area

For the specific position consideration will also be given to:

- collaboration with industry

### **Salary and terms of employment**

The appointment will be based on the collective agreement with the Confederation of Professional Associations. The allowance will be agreed with the relevant union.

### **Further information**

Further information may be obtained from Head of Department Kristian Møller, krmol@vet.dtu.dk, tel. +45 72 34 61 89.

You can read more about DTU Vet on [www.vet.dtu.dk](http://www.vet.dtu.dk)

### **Application procedure**

Please submit your online application no later than **XXX 2014**. Apply online at [www.career.dtu.dk](http://www.career.dtu.dk).

Applications must be submitted as **one pdf file** containing all materials to be given consideration. To apply, please open the link "Apply online," fill in the online application form, and attach **all your materials in English in one pdf file**. The file must include:

- Application (cover letter) addressed to the President

- CV
- List of publications indicating scientific highlights
- Documentation of teaching experience
- A plan for future research

All interested candidates irrespective of age, gender, disability, race, religion or ethnic background are encouraged to apply.