

## **Professor (with special responsibilities) in Global Surveillance of Infectious Diseases**

DTU Food at Technical University of Denmark invites applications for a position as Professor (with special responsibilities) in Global surveillance of infectious diseases, with special emphasis on antimicrobial resistance, global capacity building, and scientific advice.

DTU Food is a department with the overall mission of contributing to research, development, and education within the following scientific areas: Biotechnology, nutrition, food quality, food safety, food technology, and environment & health—all key elements to public health and food production.

The professor will be attached to the group for genomic epidemiology, one of the 13 groups comprising the Department employing 300 persons, including presently a faculty of approximately 80. The group has a long-standing focus on international surveillance of infectious diseases, especially antimicrobial resistance (AMR), and is currently both WHO and EU reference laboratory for AMR.

### **Responsibilities and tasks**

The tasks include research, teaching, and scientific advice within detection and characterization of infectious disease agents, particularly antimicrobial resistance, with special focus on international organizations (EU, WHO, etc.), global collaborators, and low- and middle-income countries.

The research group for Genomic Epidemiology wishes to continue and strengthen global focus on infectious diseases and AMR, especially using novel genomic technologies, and establish research and networks for global surveillance and advisory services to international organizations (WHO, EU, EFSA, FAO, FDA, etc.), governments, institutions, and other stakeholders—especially in developing countries.

The applicant must demonstrate successful research management experience, including global capacity building and the ability to collaborate with external partners, including major international organizations and developing countries.

The applicant must be internationally recognized with documented experience in several of the following areas:

- Identification of infectious bacterial diseases, especially food-borne
- Antimicrobial susceptibility testing
- Molecular characterization of bacterial pathogens
- Use of genomics and next-generation sequencing
- Capacity building
- Proficiency testing

The successful candidate will be responsible for the daily management of the sections WHO, EU, and other reference centers as well as for general advisory services.

The successful candidate is expected to work in close collaboration with other research groups at the Institute and other institutes, including DTU Bioinformatics.

The professor is expected to participate in teaching at the BSc, MSc, and PhD levels.

### **Qualifications**

The candidate is expected to have a PhD in an area related to the tasks above, and have proven leadership experience in international research collaboration, capacity building, and advisory service.

The successful candidate must provide documented original scientific production at international level and in international collaboration, a record of converting research results into scientific advice, and experience with international scientific advice and capacity building.

The qualification requirements are:

- A high level of original scientific production at international level that has contributed to global surveillance and/or harmonisation of antimicrobial susceptibility testing, molecular characterisation of bacterial pathogens, and bacterial genomics.
- Experience in national and international advisory service
- Significant input that contributes to the development of the subject area, including identification and cultivation of new fields of research.
- Initiative and impact vis-à-vis sponsors, recipients and partners.
- Appreciable contribution to research-based programmes and PhD supervision.

### **Assessment**

In the assessment of the candidate consideration will be given to

- the candidate's qualification for handling the special, function-related assignment(s) that are associated with the position
- 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 internal and external cooperation
- the ability to attract funding to the research area
- visions within the research area

Consideration will also be given to:

- Original scientific production in international collaboration
- A record of converting research results into global capacity building and advisory service
- A global network of collaborators confirming the candidate's ability to lead, guide and inspire both scientifically and technically.
- Experience with collaboration with international organizations, such as WHO, FAO, EU, EFSA, CDC, FDA, etc.

### **Salary and appointment terms**

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

The position is available for a 5-year period and may be extended for up to 3 years more.

At the end of the period, the employee in question transfers to a position as associate professor at the university.

### **Further information**

Further information may be obtained from Head of Department Christine Nellemann, tel.: +45 41584510

You can read more about The National Food Institute on [www.food.dtu.dk](http://www.food.dtu.dk)

### **Application procedure:**

Please submit your online application no later than XXX 2017.

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

Corporate HR

Revised: September 2016

- Diploma (MSc/PhD)
- List of publications indicating scientific highlights
- H-index, and ORCID (see e.g. <http://orcid.org/>)
- Documentation for teaching experience (e.g. in the form of a teaching portfolio)
- A plan for future research

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

*The objective of the National Food Institute is to establish the scientific foundation to empower authorities, industries and consumers to select healthy, safe food, thereby promoting health and preventing diseases related to diet, environment or chemical or microbiological contamination from our food. The outcome is to provide research-based advice to public authorities and to the Danish and international food industry to ensure the availability of safe, sustainable and high-quality food.*

*DTU is a technical university providing internationally leading research, education, innovation and scientific advice. Our staff of 5,800 advance science and technology to create innovative solutions that meet the demands of society; and our 10,600 students are being educated to address the technological challenges of the future. DTU is an independent academic university collaborating globally with business, industry, government, and public agencies.*