

Postdoctoral position in Mucosal Immunology

A postdoctoral position is available in the Mucosal Immunology group headed by Professor William Agace at the Division of Immunology and Vaccinology, at the Danish Technical University, Veterinary Institute, Frederiksberg/Lyngby. The research group focuses on understanding the cellular and molecular mechanisms regulating immune homeostasis, and inflammation in the intestinal tract with a particular interest in the impact of dendritic cells and stromal elements in the regulation of adaptive immunity (see *Nat Rev Immunol*, 2014 Oct;14(10):667-85. *Immunity*, 2013 May 23;38(5):958-69, *Immunity*, 2016 Apr 19;44 (4):850-74). The successful candidate will join a team of collaborative groups with expertise in state-of-the-art animal models, proteomics, systems biology and clinical gastroenterology to assess the mechanisms regulating regionalized immunity along the length of the intestinal tract.

Responsibilities and tasks □ The postdoctoral fellow will utilize state of the art animal models and *in vivo/in vitro* phenotypic and functional assays to assess the role of dendritic cells in the regulation of mucosal adaptive immune responses. In addition to their own project the successful candidate is expected to work closely alongside other members of the group/other groups on collaborative projects.

Qualifications □ Candidates should have a PhD degree or equivalent.

The candidate should be highly motivated, have the ability to work independently but also enjoy contributing and working within a team. The successful candidate will have documented training in immunology (Ph.D), with considerable practical expertise in a broad range of *in vitro* and *in vivo* immunological techniques, including multi-color flow cytometry, IF microscopy, considerable experience with murine immune models, and primary immune cell isolation and prior work with *in vivo* derived dendritic cells. Prior experience in the field of mucosal immunology is beneficial.

We offer □ We offer an interesting and challenging job in an international environment focusing on education, research, public-sector consultancy and innovation, which contribute to enhancing the economy and improving social welfare. We strive for academic excellence, collegial respect and freedom tempered by responsibility. The Technical University of Denmark (DTU) is a leading technical university in northern Europe and benchmarks with the best universities in the world.

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.

The laboratory is located in Frederiksberg on the DTU Vet Campus but will move to the DTU Campus in Lyngby March-April 2017

The period of employment is 3 years (with the possibility of an extension).

Further information □ Further information may be obtained from Professor William Agace, wiaag@vet.dtu.dk or Head of Division Jørgen Schøller, jorsch@vet.dtu.dk □ □ You can read more about DTU Vet at www.vet.DTU.dk

Application procedure: □ Please submit your online application no later than **31 January 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)
- CV
- Diploma
- List of publications

Applications and enclosures received after the deadline will not be considered.

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

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 Researcher will be attached to the Division for Immunology and Vaccinology, one of the two divisions comprising the Department employing 220 persons.

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.