The Department of Physiology and Pathophysiology in the Rady Faculty of Health Sciences and Max Rady College of Medicine at the University of Manitoba invites applications for a full-time tenure track position at the rank of Assistant Professor. Salary plus benefits will be commensurate with experience. The department is seeking an individual with a background in respiratory physiology and pathophysiology and a particular interest in obstructive airways diseases, including asthma and Chronic Obstructive Pulmonary Disease (COPD). The successful applicant will be experienced in cell and molecular biology, have demonstrated expertise using both novel *in vivo* and *in vitro* mammalian models of lung disease, and have a track record for collaborative research working with human bio-specimens from clinical studies or trials. Demonstrated expertise in integrative biostatistics and bioinformatics of large data sets from multiple ‘omics’ platforms, including (but not limited to) transcriptomics, metabolomics, lipidomics and proteomics, is a major asset. This position is linked to an initiative to embed research focused on developmental origins of respiratory health and disease, thus applicants with demonstrated experience and interests in developing and implementing *in vivo* and *in vitro* studies that investigate cause-effect mechanisms of environmental exposures on lung health in children and adults are particularly encouraged to apply.

Applicants must have an earned doctorate or equivalent degree in relevant life or biomedical sciences. Postdoctoral training in respiratory pathophysiology using multi-disciplinary cross-cutting techniques, and a demonstrated ability to develop and implement cutting edge experimental approaches is required. A record of collaboration is an important asset. This position will have a significant research component - therefore a suitable publication history in high quality, peer-reviewed journals and the potential to secure competitive, extramural research funding is expected. Aptitude for teaching undergraduate and/or graduate courses related to respiratory physiology and pathophysiology is required. The successful candidate will also be expected to contribute to the mentoring and training of undergraduate and graduate students and fellows, so a track record supporting these activities is desirable.

The successful candidate will be expected to develop and maintain an externally funded research program in the area of airway pathophysiology, its developmental origins and/or regulation mechanisms in response to environmental factors. The successful candidate will be a member of the Division of Respiratory Physiology and Disease, and will have direct affiliation with both the Biology of Breathing Theme, and the DEVOTION Network in the Children’s Hospital Research Institute of Manitoba. The candidate is expected to establish a laboratory that is collaborative with members of these research groups, as well as the larger University community.
The successful applicant will receive startup funding and will also have access to core Faculty resources including a transgenic mouse facility, animal imaging facility, lentiviral vector production, molecular imaging, histomorphology and ultrastructural imaging, flow cytometry, and proteomics. Further information on the Department of Physiology & Pathophysiology, The Children’s Hospital Research Institute of Manitoba, and basic science core platforms in the Faculty of Health Sciences can be obtained at:

http://umanitoba.ca/faculties/health_sciences/medicine/units/physiology/
http://umanitoba.ca/faculties/health_sciences/medicine/research/bscp.html
http://www.proteome.ca/
http://chrim.ca/
http://chrim.ca/research/biology-of-breathing/
https://www.devotionnetwork.com/

Winnipeg, a city of over 700,000, offers a vibrant arts community, professional sports teams, affordable housing, diverse cultural institutions, festivals, and entertainment possibilities. Residents of Winnipeg have ample opportunities for leisure activities, including a multitude of parks and trails.

Applications will be accepted until February 28, 2019. The start-date for this position is July 1st, 2019 or as negotiated. Applicants should apply by e-mail only (.pdf files) with the follow materials in English:

1) a letter of application (referencing position number 26865) with a brief summary of experience, and professional and teaching interests;
2) up to a three page outline of a 5-year research plan, including vision for the research group that will be established;
3) curriculum vitae, and;
4) names and contact information of three references.

Application should be addressed to:
Dr. Phillip Gardiner, Chair Search Committee
Tel: (204) 789-3764
E-mail: gail.mcindless@umanitoba.ca

Only complete applications will be considered.

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons/persons of colour, Indigenous peoples, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

Application materials, including letters of reference, will be handled in accordance with the protection of privacy provision of The Freedom of Information and Protection of Privacy (Manitoba). Please note that curriculum vitae may be provided to participating members of the search process.