University of Alberta

Quantitative Biologist

The University of Alberta invites applications for a tenure-track position in the area of Quantitative Biology. This is an advisory, teaching and research position shared between the Departments of Biological Sciences and Mathematics & Statistical Sciences.

The position is to act as a bridge between an already highly collaborative biological sciences program and a very active statistical/mathematical modeling group. This position is at the Assistant Professor level, but an appointment at a higher level may be possible under exceptional circumstances.

The Quantitative Biologist will act in part as a consultant, with an emphasis on graduate student training and collaboration with academic staff. In this role, he/she will provide educational and research support in the area of mathematical and statistical biology via coordination of an advanced teaching program. This program will require traditional teaching as well as the development of a quantitative advisory group shared between both departments. The development of novel statistical approaches to address key biological questions is expected. Duties also include research, applications for research funding, and the supervision and co-supervision of students where appropriate.

The ideal candidate will have a Doctoral degree in Quantitative Biology, Statistics, Mathematics, or a related area, with demonstrated knowledge of issues specific to biological data and models. Graduate training in Biology with demonstrated excellence in statistical and quantitative analysis, as well as, experience in standard parametric experimental designs and sampling methodologies will be considered. Demonstrated expertise in advanced analytical methods is required.

The candidate will also have the demonstrated ability to interact well and communicate clearly with people that have wide ranging levels of expertise in statistics. Supervisory abilities to coordinate training centres and strong time management skills are required to ensure that the consulting, research, and teaching aspects of this position are met.

Applicants should submit their curriculum vitae, a research statement, a teaching profile outlining experience and/or interests, and at least three confidential letters of reference.

Electronic submissions should be directed to *chairsec@math.ualberta.ca*. The closing date for applications is **January 2, 2009**, or until a suitable candidate is

found. Early applications are encouraged.

Interested applicants may apply to:

Arturo Pianzola, Chair
Department of Mathematical and Statistical Sciences
University of Alberta
Edmonton, Alberta, Canada T6G 2G1
Email: chairsec@math.ualberta.ca

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens or permanent residents cannot be found, other individuals will be considered.

The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

YORK UNIVERSITÉ UNIVERSITY

Faculty of Science and Engineering
Department of Mathematics and Statistics

Mathematical and Computational Biology and Ecology

Applications are invited for a tenure-track appointment at the Assistant Professor level. Applicants in all areas of **Mathematical and Computational Biology and Ecology** will be considered, including Non-linear Dynamics of Disease Mechanism, Biological Invasion, Population Dynamics, Epidemiological and Ecological Modelling, BioInformatics and Health Informatics, Protein, Cellular and Physiological Modelling and Stochastic Biological Modelling. The successful candidate must have a PhD and a proven record of independent and collaborative interdisciplinary research. Research excellence and superior teaching will be an asset. Preference will be given to candidates who can strengthen existing areas of present and ongoing research activity in the Department and in Biological and Life Sciences across the University. York University is a leader in interdisciplinary science research and outreach efforts that enable partnerships between researchers and policy makers. To address the ever more complex and challenging issues facing both scholars and policy makers, the University sustains high-quality empirical research informed by a diverse range of theory and methods. This appointment will build upon and expand the University's strengths and prominence in the area of Health Analytics and Health Informatics. In addition to these appointments, appointments will be made in the Faculty of Health in the areas eHealth and Health Informatics and Health Systems Research Methods. The successful candidate will be expected to participate in this growing cluster of researchers with complementary strengths across the University who are engaged in collaborative and interdisciplinary work in this area.

Applicants should send (as hard copy, only) a curriculum vitae, an outline of their research plan and a description of teaching interests, and arrange for three letters of recommendation (one of which should address teaching) to be sent directly, by **January 16, 2009**, to:

Applied Mathematics Search Committee
Department of Mathematics and Statistics, N520 Ross
York University, Toronto, Ontario M3J 2V7
E-mail: applmath@mathstat.yorku.ca
Web site: www.math.yorku.ca/Hiring

York University is an Affirmative Action Employer. The Affirmative Action Program can be found on York's website www.yorku.ca/acadjobs or a copy can be obtained by calling the affirmative action office at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens and Permanent Residents will be given priority.