Postdoctoral Researcher in Bioinformatics & Metagenomics

Queen's University, Kingston, ON Canada

April 25, 2019

A Post-Doctoral position is available in the computational analysis of high-throughput sequencing data (Illumina + Oxford Nanopore) for the study of microbial communities, with an emphasis on ticks and tick-borne pathogens in an ecological and evolutionary context. The successful applicant will join a team of early-career and established researchers who are dedicated to mitigating health risks associated with tick-borne pathogens. Our expertise spans a broad range of disciplines including human medicine, veterinary science, biochemistry, and ecology/evolution.

Applicant Profile:
- A PhD in any relevant discipline
- Good programming and data management skills
- Proficiency in R and/or Python for open and reproducible science
- Proficiency in bash/Unix/Linux for analysis of high-throughput sequence data
- Preference for individuals who have experience with common analysis pipelines for population genomics and/or metagenomics (whole shotgun and/or metabarcoding), and/or familiarity with community ordination analysis.

About us:
Based at Queen's University in historic Kingston, Ontario, Canada, the successful candidate will enjoy a relatively low cost of living and high quality of life. As a diverse and inclusive group of researchers dedicated to improving representation in STEM research, we especially encourage applications from any candidates whose academic record has been challenged by socioeconomic background, discrimination, parental leave, personal life events, and/or other considerations. Applicants are encouraged to include these important considerations as part of their application package.

Salary:
$40,000 per year, plus benefits and other costs (e.g. child care for conference attendance)

Co-supervisors:
Dr. Robert Colautti (Queen's U)
Dr. Qingling Duan (Queen's U)

Collaborators:
Dr. Katie Clow (U Guelph)
Dr. Rylan Egan (Queen's U)
Dr. Claire Jardine (U Guelph)
Dr. Manisha Kulkarni (U Ottawa)
Dr. Stephen Lougheed (Queen's U)
Dr. Samir Patel (Ontario Public Health)
Dr. Prameet Seth (Queen's U & Kingston General Hospital)
The Canadian Lyme Disease Research Network (CLyDRN)

Interested applicants should contact Rob Colautti (Robert[dot]Colautti<at>queensu{dot}ca).