

Post-doctoral positions in computational genomics

Two postdoctoral positions in computational genomics are available in the Barreiro Lab. Our lab is currently located at the University of Montreal but in June 2018 we will be moving to the Section of Genetic Medicine at the University of Chicago.

Our group studies the genetic basis of variation in the human immune response, as well as the evolution of differences in the immune response between humans and other primates. The exact projects for prospective postdocs are flexible and applicants are encouraged to propose their own projects, as long as they fit within the lab's general interests. Current work includes *(i)* characterization of population differences in the immune response in humans, *(ii)* testing the functional impact of variation in social status on vaccine responses in rhesus macaques (close collaboration with Dr. Jenny Tung at Duke University), *(iii)* comparative studies of innate immune responses in mammals, and *(iv)* the role of epigenetic changes in the regulation of innate immune responses. More details on some of our ongoing projects and past work can be found on our website: <http://luis-barreiolab.org/>

Postdoctoral applicants should have demonstrated experience with genomic data analysis. Strong programming and bioinformatics skills are essential. Candidates with experience in gene expression data analysis, eQTL mapping, epigenetic profiling, and/or co-expression network analysis are strongly encouraged to apply.

Our lab offers a congenial research environment complemented by the rich academic milieu of the University of Chicago, particularly in the departments of Genetic Medicine, Human Genetics, and Ecology and Evolution. Postdocs in our lab are encouraged to develop collaborations with other groups and to start developing an independent research program. To apply for the position please send an email to Luis Barreiro (luis.barreiro@umontreal.ca) including a cover letter and your resume/CV together with contact information for at least two references. Informal inquiries are also welcome. Start dates are negotiable.