

Posting Date: December 16, 2022

**DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY**

Faculty of Arts and Science University of Toronto

**JOB POSTING – POSTDOCTORAL FELLOW**

The Department of Ecology and Evolutionary Biology at the St. George campus of the University of Toronto invites applications for a Postdoctoral Fellowship in the Parins-Fukuchi lab.

**Area of Research:** Computational evolutionary biology and phylogenetics

**Description of duties:** We are looking for a Postdoctoral Researcher to partner in an NSF-supported, multi-institution project exploring the origins of phenotypic innovation across angiosperms throughout the Cretaceous period. The project is highly integrative, seeking to link temporal and taxonomic scales using diverse large-scale data sources including genomic, fossil, and high-throughput phenotypic data. As a postdoc on this project, you will have the opportunity to work with a collaborative team of faculty, postdocs, and students around the continent addressing integrative and timely questions about plant evolution, phylogenomics, and paleobiology. You will be part of the Parins-Fukuchi research group at UofT, which focuses on expanding our understanding of the patterns and processes underlying morphological innovation across a broad range of study systems through the development of novel computational and analytical approaches.

**Salary:** \$50,000 to \$56,000 CAD

**Required qualifications:** Candidates should have a Ph.D. in evolutionary biology, computational biology, earth sciences, or a related field prior to initiating their appointment. Experience working with some combination of: morphological trait data (quantitative and/or qualitative), genomic sequence data, computational biology/bioinformatics tools (including code development using a general-purpose programming language such as Python, Java, C++, etc) is required. Proficiency in phylogenetics and developing/implementing new models and methods is preferred.

**Application instructions**

All individuals interested in this position must submit a CV, brief statement of interest and past experience, and contact information for three references to Professor Tomomi Parins-Fukuchi ([tomo.fukuchi@utoronto.ca](mailto:tomo.fukuchi@utoronto.ca)) by the closing date.

**Closing date:** February 15, 2023. This position will remain open until filled, however we will begin to review complete applications after February 15, 2023.

**Supervisor(s):** Tomomi Parins-Fukuchi

**Expected start date:** June 1, 2023, with flexibility for a later start date.

**Term:** 12 months, renewable for another 12 months subject to performance, suitable research progress, and available funding.

**FTE:** 100%. Depending on research timelines, requirements, travel, etc, evening and/or weekend work may be required.

The University of Toronto is a leading academic institution in Canada with over 60 faculty members specializing in ecology and evolution. Strong links exist between the Department of Ecology and Evolutionary Biology and the Royal Ontario Museum, the Centre for Global Change, and the School of the Environment. The University owns a nearby field station dedicated to ecological and evolutionary research (the Koffler Scientific Reserve, [www.ksr.utoronto.ca](http://www.ksr.utoronto.ca)). The department also has a partnership with the Ontario Ministry of Natural Resources that helps provide access to infrastructure, including lab facilities in Algonquin Provincial Park ([www.harkness.ca](http://www.harkness.ca)), funding, and long-term data sets. Genomic analyses are supported by a number of high-performance computing resources, multi-lab bioinformaticians, as well as staff at the Centre for the Analysis of Genome Evolution and Function.

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The normal hours of work are 40 hours per week for a full-time postdoctoral fellow (pro-rated for those holding a partial appointment) recognizing that the needs of the employee's research and training and the needs of the supervisor's research program may require flexibility in the performance of the employee's duties and hours of work

*Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement.*

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The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.