

## **Graduate student positions in evolutionary biology and herpetology at the Department of Integrative Biology**

The Fu Lab is seeking two graduate students (M.Sc. or Ph.D.) with interests in evolutionary biology and herpetology. Our research group focuses on understanding evolutionary patterns in natural populations and the mechanisms behind them, with an emphasis on historical perspectives.

Ongoing projects include 1) evaluating morphological, physiological, and genetic variation of a toad species (*Bufo gargarizans*) along an elevation gradient, 2) examining gene flow and hybrid zone dynamics of a frog species (*Odorrana margaratea*) with a ring-shaped diversification pattern, 3) inter-specific comparison between low- and high-elevation lizards of the genus *Phrynocephalus*, 4) motion signal evolution of the *Phrynocephalus* lizards. We conduct extensive fieldwork in western China and central Asia, and use large genomic data. Further information on our lab's research interests and publications can be found at:

<https://www.uoguelph.ca/ib/fu>

<https://scholar.google.ca/citations?user=asAmsGYAAAAJ&hl=en>

Students are encouraged to develop their own research projects within the general scope of our research program.

Candidates must be Canadian citizens or permanent residents. The successful applicant should possess a strong background in evolutionary biology and a passion for studying amphibians and reptiles. Experience in genomic analysis is beneficial. Applications will be considered for a May or September 2019 start date. Interested applicants should submit a CV, unofficial transcript, a statement of research interests, and contact information for two referees to Dr. Jinzhong Fu (jfu@uoguelph.ca).