

Graduate Student project: Captive breeding of amphibians
University of Ottawa, Department of Biology

Are you interested in an exciting new project on hormone-induced spawning in amphibians? We have invented and successfully used the “Amphiplex” method of to induce spawning in several frog species [Trudeau et al. 2010. *Reprod Biol & Endo.* 6;8:36]. This is an injectable hormone formulation. The name is derived from the combination of the words amphibian and amplexus, which refers to the specific reproductive behavior of frogs when the male mounts and clasps the female for breeding. The next step is broader application of the approach to other amphibian species, and for out-of-season captive breeding. The ideal candidate will be equally interested in reproductive physiology and breeding ecology, with a deep concern for the global amphibian crisis. The ultimate application of this assisted reproductive technology is for captive breeding of endangered species, and for the propagation of non-model species used in ecotoxicological and endocrine disruption research. This project is suitable for an MSc, and can most certainly be adapted and expanded to accommodate interested PhD students.

Please send your CV, list of courses with marks, and provide the names of 3 references that may be contacted.

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