PhD Student Positions in High-altitude Adaptation

Graduate student PhD positions are available beginning August 2017 to work on the mechanistic and genetic basis of hypoxia resistance in Andean waterbirds, at the University of Miami in Coral Gables, Florida, with Kevin McCracken and collaborating investigators Graham Scott (McMaster University), Neal Dawson (McMaster University), and Bill Milsom (University of British Columbia).

We seek one or more PhD students with interests in integrated physiology and genetics to collaborate on comparative studies of Andean ducks or other high-altitude waterbirds. Studies are not limited to but might include respiratory and cardiovascular physiology, enzyme function, and histology. Students with an interest in population genomics and gene expression also are encouraged to contact us.

Travel to high-altitude field sites in South America and to the collaborating labs in Canada will be required. Experience and/or interest in preparing specimens for museum archival and genetic resources collections is desirable. Spanish speaking/writing skills also would be helpful. Students from South American countries are especially encouraged to apply.

Typical duration of funding for a PhD student at the University of Miami is at least five years with stipends of approximately $20,000/year, including a full tuition waiver and health benefits. Both university fellowships and departmental teaching assistantships are available.

Applications to the PhD program at UM are due 1 December 2016 for fall 2017 admission (http://www.as.miami.edu/biology/graduate/).

Individuals who want to apply should first send a statement including background and research interests and curriculum vitae to:

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