

My group combines complementary approaches from behavioural and evolutionary ecology, ecophysiology and genomics to understand the evolution and evolutionary consequences of prenatal maternal effects in different bird system. Within this project, I have a postdoc position available to investigate the genetic basis of prenatal maternal investment using established Japanese quail selection lines for high and low maternal egg investment. Goal of the project is to identify genomic regions associated with differential maternal investment, and to link DNA sequence and gene expression variation with the physiological and ecological phenotype of mothers from high and low investment lines to obtain an integrative understanding of the molecular and physiological architecture underlying variation in maternal reproductive strategies. Side projects based on the selection lines are possible and encouraged. The ideal candidate for this project has a background in evolutionary biology, behavioural ecology and / or genetics, and previous experience with genomics and bioinformatics (or a very strong interest to learn). The postdoc will be based at the Institute of Evolutionary Biology and Environmental Studies of the University of Zurich, providing ample opportunities for collaborations and interactions with researchers working in related and complementary fields (<http://www.ieu.uzh.ch>). The institute is very international and the working language is English. The position is funded by the Swiss National Science Foundation for the duration of two years (gross salary CHF 94'000 per annum). The ideal starting date is early 2015. Applications should include 1) a cover letter outlining your motivation to work on this project as well as relevant experience, 2) a detailed curriculum vitae, and 3) the contact details of three academic referees. Send the above as a single .pdf file to barbara.tschirren@ieu.uzh.ch **Review**

of applications will start on November 1st 2014

, but candidates will be considered until the position is filled. For more information, feel free to contact me! Prof. Dr. Barbara Tschirren Institute of Evolutionary Biology and Environmental Studies University of Zurich Winterthurerstrasse 190 8057 Zurich Switzerland
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<http://www.ieu.uzh.ch/staff/professors/tschirren.html>