



## **Positions Available: Graduate (MSc, PhD) Training in Craniodental Evo-Devo-Anthropology**

Dr. **Julia Boughner's research lab** at the [University of Saskatchewan](http://www.usask.ca) explores the evolution and development (evo-devo) of the vivid, varied array of primate faces and teeth that fascinate us and teach us about our origins as *Homo sapiens*. Using morphological and molecular techniques to link genotype to phenotype, we are working to reveal the developmental processes that underpin primate macroevolution. Current opportunities with Dr. Boughner's team focus on non-human primate craniodental development, anatomy, and gene expression using molecular biology and imaging tools. Our NSERC- and CFI-funded lab has a history of successfully recruiting and training bioanthropology and archaeology students in developmental genetic approaches including embryology and high-throughput sequencing. Student career development is also fostered via first-authored conference presentations and research publications in reputed international forums, and teaching assistant experience in human gross anatomy.

The University of Saskatchewan (USask) is a member of the [U15](http://www.usask.ca) group of Canadian Research Universities and home to over 50 scientists working in areas of musculoskeletal biology, including archaeology and evolutionary biology. Dr. Boughner's interdisciplinary research team engages an extensive network of evo-devo, bioanthropology and genomics collaborators across the USask campus as well as nationally and internationally. Students will be members of the Imaging & Development Research Cluster and work within a supportive network of colleagues based in the College of Medicine and Health Sciences Building, with access to multiple core facilities and other research infrastructure.

## **Graduate Student Opportunities:**

MSc and PhD Positions are available within the graduate program of the [Dept. of Anatomy Physiology & Pharmacology](http://www.usask.ca) (APP) to which Dr. Boughner belongs. Successful candidates will have a demonstrated track record of academic excellence (minimum GPA of 85) with training in primate evolution and anatomy. Particular consideration will be given to salient research experience and competitiveness for NSERC Canada Graduate Scholarships, as well as to strong intrinsic motivation and passion for doing and communicating science. Should MSc students be keen, there is the possibility to transfer within the first 18 months in-program from MSc to a PhD program of study in APP.

The Boughner Lab champions equity, diversity, and inclusion. Candidates from groups historically underrepresented in science are enthusiastically encouraged to apply. Located on Treaty 6 territory and the traditional homeland of the Métis, the USask is also committed to equity, diversity and inclusion, and Indigenous Engagement.

The minimum stipend standards for APP will apply to all recruited students (MSc: \$18,000/year for two years; PhD: \$21,000/year for four years) as per [APP Graduate Program guidelines](http://www.usask.ca). NSERC scholarship winners receive a USask \$6,000 award top-up. **Scholarship deadlines begin 1 December 2021. Graduate positions are available as early as September, 2022.** *Due to the uncertainty created by the pandemic, graduate coursework may begin remotely.*

## **How to Apply:**

Please contact Dr. Boughner ([julia.boughner@usask.ca](mailto:julia.boughner@usask.ca)) and provide: **1) a cover letter** summarizing relevant experience and related research interests; **2) a current CV (including list of three references)**, and; **3) current transcript (an unofficial copy is acceptable)**. Questions? Please feel free to reach out via email.