

SHUYU HE

Biological Sciences Building, Duke University, NC 27708
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EDUCATION

Duke University Department of Evolutionary Anthropology	September 2020 - Present
Peking University Bachelor of Biological Sciences School of Life Sciences	September 2016 - July 2020

PREVIOUS RESEARCH EXPERIENCE

Evolutionary Biology Lab Advisor: Wei Zhang, Peking University	February 2019 - July 2020
Behavioural Psychology Lab Advisor: Karen Bales, University of California, Davis	June 2019 - September 2019
Wildlife Conservation and Ecology Lab Advisor: Sheng Li, Peking University	September 2017 - February 2019

ONGOING PROJECT

Social Evolutionary Biology Lab Advisor: Jenny Tung, Duke University	September 2020 - Present
<ul style="list-style-type: none">• <i>Joint modeling of glucocorticoid level and gene expression</i>• <i>Joint modeling of gut microbiome and survival</i>• <i>Joint modeling of social relationship and gene expression</i>• <i>Low coverage local ancestry estimation</i><ul style="list-style-type: none">– Technical extension of LCLAE to X chromosome– R package construction for LCLAE toolbox• <i>PRDM9 polymorphisms in Amboseli baboon</i><ul style="list-style-type: none">– De-novo assembly of minion sequencing data of PRDM9	<i>(*Potential thesis proposal)</i> <i>(*Potential thesis proposal)</i> <i>(*Potential thesis proposal)</i>

TEACHING EXPERIENCE

Integrated Science-Biology*	August 2020 - December 2020
Computer Vision*	January 2021 - March 2021
Introductory Calculus*	March 2021 - May 2021
Introduction to Evolutionary Anthropology	August 2021 - December 2022
<i>*at Duke Kunshan University</i>	

SKILLS

Programming: C, R, Python, Matlab, L^AT_EX, Mathematica, SQL