



GENOMICS IN THE JUNGLE - INDIA

Sample to Sequence in the India's Western Ghats, Lab and Field Training

In the past few years, we have witnessed the successful deployment of instruments that have enabled molecular work to take place 'on-the-fly' and in the field. These new tools are minimizing the hassles and barriers associated with transporting biological samples around the world to distant labs that possess the equipment and resources to extract, amplify, and sequence DNA. In many ways, this new technology is democratizing wildlife research by empowering field scientists all around the world with the genetic tools to directly advance their research and conservation initiatives.

In this course, we will utilize a completely portable field molecular biology laboratory in the rainforests of the Western Ghats of Kerala, India. We will explore how to conduct field research, collect samples, and extract, amplify, and sequence them. Finally, we will learn to interpret sequence data pertaining to several case studies: wildlife forensics, eDNA characterization, and biodiversity screening via micro-predator blood meals.

LOCATION: Kerala, India

DURATION: 2 weeks

DATES: Dec. 28, 2018 - Jan. 10, 2019

APPLICATION DEADLINE: November 15, 2019

CREDITS: 3 credit equivalency

LANGAUGE: English

WEB: <https://fieldprojects.org/course/genomics-in-the-jungle-india/>

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