



Research In Progress Seminar

**Tuesday, June 6,
2017
3:30PM**

**Location: CCBS Conference
Room, 2622 Biological
Sciences 3**

Speaker:

Roy Zhao, MCSB PhD
Program (J.J. Emerson
and Tony Long Labs)

Talk Title:

High-throughput tracking
of the evolution of allele
frequencies

Abstract:

Understanding the changes in allele frequencies over time in different populations is important for studying their evolutionary dynamics. Currently available sequencing technologies provide vast amounts of data describing genetic variation in a fast and cost-effective manner. We demonstrate a high-throughput method for quantifying the frequencies of different genotypes in mixed population samples that takes advantage of a novel DNA barcoding procedure and next-generation sequencing data. This method provides a precise, efficient, and economical way to track how allele frequencies within a population change.

Questions:

Please contact Naomi Carreon at:
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