

# Combi Seminar

Wednesday, 10.19.22 | Foege Auditorium | 1:30

remote viewing option: <https://depts.washington.edu/gstrestrc/remote.htm>

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## Dr. Kelley Harris

University of Washington

[website](#)

## “Using compositional data analysis to study mutation spectrum evolution across the mammalian phylogeny”

We use population genetic theory and high-throughput biological sequence analysis to study recent evolutionary history in humans and other species. One of our primary research interests is the evolution of mutagenesis—we want to understand the forces that control DNA replication fidelity, the mutational breakdown of established traits, and the ultimate origin of new traits. We are also broadly interested in the development of novel methods to study the impact of demography, inbreeding, and hybridization on the dynamics of natural selection, particularly in the wake of gene flow between humans, Neanderthals, and other extinct hominids.

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Questions? Contact Brian Giebel at [bgiebel@uw.edu](mailto:bgiebel@uw.edu) or visit the Combi website at <http://www.gs.washington.edu/news/combi.htm>

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