



Genome Sciences Seminar

Wednesday, 9.29.21 | 3:30 | held remotely

<https://depts.washington.edu/gsrestrc/remote.htm>



Dr. Katherine Pollard

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Professor, University of California San Francisco

Investigator, Chan Zuckerberg Biohub

“Sequence-Structure-Function modeling for DNA”

Our group develops bioinformatics methods for comparative genomics. We are interested in how genomes and their encoded functions change over time scales from developmental transitions in human cells to evolution across the tree of life. The models and tools we create are unified by statistical rigor, a phylogenetic perspective, and massive integration of public data. Collaboration, creating open source [software](#), and promoting open science are priorities. Many of our projects involve machine-learning, stochastic process models of genome evolution, longitudinal modeling, sequence analysis, and multiple hypothesis testing.

<https://docpollard.org/>

Questions? Contact Brian Giebel at bgiebel@uw.edu or visit the Seminar website at <http://www.gs.washington.edu/news/seminars.htm>

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