



Genome Sciences Seminar

Wednesday, 10.23.19 | 3:30 | Foegen Auditorium



Dr. Tony Capra

Associate Professor
Department of Biological Sciences
Vanderbilt University

“Integrating Genomic and Patient Data to Interpret Human and Neanderthal Genomes”

The main goals of our research program are to understand how evolutionary processes have shaped human genomes and to quantify the functional relevance of specific genetic differences between individual humans and closely related species. Achieving these goals is critically important to answering fundamental questions about human evolution and to the application of genomics in clinical settings. We address these questions by applying algorithms and statistical models to ancient and modern genomes. We integrate large-scale genome-wide genotype and phenotype data, including electronic health record data from Vanderbilt’s [BioVU biobank](#). We also collaborate closely with clinicians and disease-focused biologists, in particular in the [Undiagnosed Diseases Network](#) and the March of Dimes [Prematurity Research Center](#).

<http://www.capralab.org/>

Refreshments served outside the Auditorium at 3:20pm

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

The University of Washington is committed to providing access, equal opportunity and reasonable accommodations in its services, programs, activities, education and employment of individuals with disabilities. To request disability accommodations contact the Disability Services Office at least ten days in advance at: 206.543.6450/V, 206.543.6452/TTY, 206.685.7264 (FAX), or e-mail at dso@u.washington.edu