



Genome Sciences Seminar

Wednesday, 1.25.17 | 3:30 | Foege Auditorium



Dr. Alice Ting

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

“Directed evolution of molecular tools for probing living cells and neurons”

Ting Lab:

The long-term goal of our laboratory is to develop, scale up, and broadly disseminate molecular technologies for mapping cells and functional circuits. At the sub-cellular scale, maps document the spatial organization of proteins, RNA, DNA, and metabolites with nanometer precision and temporal acuity on the order of seconds. Maps also chart the connectivity between these molecules, elucidating the circuits and signaling processes that give rise to function.

Beyond the single cell, we also strive to map cellular ensembles, such as brain tissue. Can we create tools that contribute to the construction of cell and tissue atlases, and can we map the cellular circuits that give rise to function and behavior? To achieve these ambitious goals, our laboratory has focused on the development of scalable technologies to detect, measure, and manipulate molecules and circuits, both at the sub-cellular level, and at the level of cell populations.

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>

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