

Genome Sciences Seminar

W UNIVERSITY of WASHINGTON



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Hao Yuan Kueh

Our lab studies how immune cells make fate decisions, both as they develop from stem cells, and as they respond to antigens. To understand the molecular circuitry controlling immune cell fate choice, we follow its dynamic behavior at the single-cell level using live imaging, uncover its molecular components using modern genetic, biochemical and high-throughput approaches, and elucidate underlying design principles using mathematical modeling. We then use this understanding to engineer molecular circuits for precise control of immune cell function. Through this work, we aim to lay foundations for programming immune cells to fight cancer and other life-threatening diseases.

“Immune cell fate control: insights from single cell tracking studies”

Wednesday, November 2, 2016

3:30

Foege Auditorium, S-060

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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