



# Genome Sciences Seminar

Wednesday, 3.7.18 | 3:30 | Foege Auditorium

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## Dr. Joshua Elias

Assistant Professor  
Stanford University

<http://med.stanford.edu/elias/about.html>

# “Strategies for uncovering antigen presentation biases with mass spectrometry: Lessons learned from the neoantigen hunt”

### Elias Lab:

The Elias Lab develops and applies methods for large scale proteome characterization to address emerging biomedical challenges. The growing field of proteomics has the lofty goal of characterizing the proteins in any isolated complex, subcellular compartment, cultured cell line or tissue. We aim to expand this goal in three fundamental areas:

Measuring the interactions between our gut microbiomes, our diet, and ourselves.

Surveying immune responses to cancer, infection, and allergy.

Developing unrestricted search methods that rapidly identify any protein, from any organism, with any sequence modification.

Our lab is accomplishing these goals by developing new approaches towards protein isolation, mass spectrometry, and computational biology.

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Refreshments served outside the Auditorium at 3:20pm

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

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