



Genome Sciences Seminar

Wednesday, 11.8.17 | 3:30 | Foege Auditorium



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<https://sites.google.com/view/valdmanislab>

“Fighting tiny battles: Competition between small RNAs in combating disease”

Valdmanis Lab:

The Valdmanis lab's research focus is to develop small RNA technologies for safe and efficient gene therapy use. Small RNAs play a vital role in regulating gene expression and have been successfully engineered to target and repress disease-causing genes or infectious viruses.

We use cell culture and transgenic animal models to approach the following research aims:

1. Establish parameters for safe and effective gene knockdown using recombinant adeno- associated viral vectors (rAAV).
2. Identify the role of microRNAs in the development of hepatocellular carcinoma.
3. Ascertain the genetic basis of various neurodegenerative diseases.
4. Develop small hairpin RNAs (shRNAs) to target genes implicated in neurodegeneration.

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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