



Towards Precision Medicine Seminar – February 3

Dr. Julie Saugstad, PhD, Professor

Department of Anesthesiology & Perioperative
Medicine

Department of Medical Genetics, Oregon Health &
Sciences University

Title:

**MicroRNA Biomarkers for Alzheimer's Disease:
Performance in Mild Cognitive Impairment
and Traumatic Brain Injury**

Bio:

Dr. Saugstad's research is focused on cellular and molecular mechanisms of signaling in the brain. Her lab is currently studying a role for microRNAs in cerebrospinal fluid and plasma as biomarkers for Alzheimer's disease. They are also studying the contribution of extracellular vesicles (EVs) and their cargo as mediators of intercellular communication, and their potential role in altered signaling in dementia. Her lab has identified sex differences in EVs and their cargo, which may underlie the predisposition of AD in females vs. males.

Further, the microRNA studies have extended to examine the potential of CSF microRNAs as biomarkers of AD risk following traumatic brain injury, of importance to military war veterans exposed to blast injury. Her current research is funded by the NIH, and recent past research generously funded by the DoD and the OHSU Center for Women's Health Circle of Giving.



February 3, 2020

4pm - 5pm

Harborview Medical Center
Ninth and Jefferson Building
10th Floor Conference Room
NJB 1007

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