



## **The Department of Pharmacology**

Proudly Presents the Seminar Series:

### ***Frontiers in Pharmacology***

## ***"Kinase Fusions in Cancer: From Model Systems to the Development of Novel Therapeutics"***

Kinase fusions are actionable oncogenic drivers of diverse adult and pediatric malignancies. Chromosomal rearrangements of the orphan receptor tyrosine kinase ROS1 are found in rare subsets of cancers from diverse cell lineages. Using reverse pharmacology approaches, including functional inhibitor screening, we have identified novel activity of previously known VEGFR inhibitors as potent antagonists of oncogenic ROS1 that are also capable of circumventing acquired resistance to first-line targeted therapeutic agents. The findings were translated bench to bedside via a clinical trial. The talk will summarize these results that have both basic science and clinical relevance.

**Monika Davare, PhD**

**Assistant Professor,  
Department of Pediatrics  
Oregon Health and Sciences University**

**Tuesday, April 18, 2017**

**4:00 pm**

**GBSF Auditorium  
(Rm. # 1005)**

*Light refreshments will be served.*

*Host : Johannes Hell & Mary Horne*

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