



Genome Sciences Seminar

Wednesday, 11.1.17 | 3:30 | Foege Auditorium



Dr. Susan Strome

Distinguished Professor of MCD Biology

University of California, Santa Cruz

<http://bio.research.ucsc.edu/people/strome/Site1/Home.html>

“Transmitting an epigenetic ‘memory of germline’ from parents to offspring in *C. elegans*”

Strome Lab:

Germ cells (the cells that give rise to eggs and sperm) have special properties that enable them to serve their crucial role in development. The immortality and totipotency of the germ lineage allows germ cells to be passed from generation to generation and to produce all of the diverse cell types of the body in each generation. Our lab investigates the molecular mechanisms by which germ cells establish and maintain their identity, immortality, and totipotency, using the model organism *C. elegans*. We are currently focusing on the roles of chromatin regulators and cytoplasmic organelles called P granules. The factors we study are conserved across species. Our studies in worms promise to shed light on the functions of the mammalian counterparts in germ cell development, stem cell biology, and cancer.

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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