



# Genome Sciences Seminar

Wednesday, 11.7.18 | 3:30 | Foege Auditorium

---



## Dr. John McCutcheon

Associate Professor  
University of Montana

## “Genome fragmentation in cicada endosymbionts: good, bad, or just ugly?”

### The McCutcheon Lab:

No organism exists alone. Bacteria, no matter where they live, must cope with the presence of huge numbers of other bacteria competing for the same space. Animals are coated, both in and out, with complex communities of microorganisms. Sometimes these interactions benefit one or more of the partners, and become stable in evolutionary time. They become symbioses. We are interested in how and why symbioses form, how they are maintained, and what happens as the associations become more and more intertwined.

We work with a number of symbioses, including sap-feeding insects and their endosymbiotic bacteria, ambrosia beetles and their ectosymbiotic fungi, and the consortia of fungal and photosynthetic partners that form lichens. We use a variety of approaches—genomics, microscopy, molecular biology, molecular evolution, biochemistry, and field biology—to address our questions.

<http://mccutcheonlab.org/>

---

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>

The University of Washington is committed to providing access, equal opportunity and reasonable accommodations in its services, programs, activities, education and employment of individuals with disabilities. To request disability accommodations contact the Disability Services Office at least ten days in advance at: 206.543.6450/V, 206.543.6452/TTY, 206.685.7264 (FAX), or e-mail at [dso@u.washington.edu](mailto:dso@u.washington.edu)