



# Genome Sciences Seminar

Wednesday, 11.15.23 | 3:30 | Foege Auditorium

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## Dr. Hannah Seidel

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Eastern Michigan University

<https://www.emich.edu/biology/faculty/h-seidel.php>

## “How to make a striped snake: Genetics of coloration in ball pythons”

The goal of my research is to understand how stem cells make decisions within living tissues. How do stem cells 'know' when to divide? How do tissues 'know' when they have grown to the right size? How are stem cell behavior and tissue growth regulated by physiological changes, such as changes in diet and reproductive state? We study these questions using the model organism *C. elegans*, a microscopic animal with a fast life cycle and simple body plan. Our research uses techniques in genetics, molecular biology, and cell biology.

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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>

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