



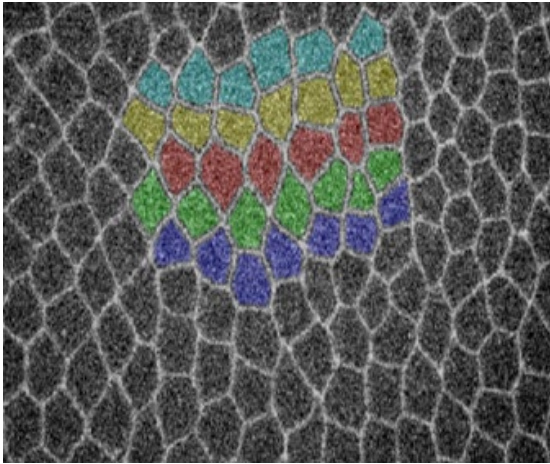
UNIVERSITY of
DENVER

PHYSICS AND ASTRONOMY

First Year Graduate Student Presentation

Wednesday, June 2, 2021

4:00 PM via Zoom 845 1454 6523



Richard Miller

Graduate Student

**Department of Physics and
Astronomy**

Dr. Dinah Loecke's Lab

A history of the study of germ band extension and cell intercalation

Germ band extension and its driving factors are important aspects in the development of multicellular organisms that have a distinct 'head to tail' axis of elongation. The process is not well understood, but advancements in modeling, microscopy, and the application of physical laws have offered a great deal of insight into this relatively short but critical stage of an organism's development. In this talk, we will discuss some of the note-worthy advancements and the work currently being done to further the understanding of this crucial phase of embryonic development.

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