

KANSAS STATE
UNIVERSITY
Division of Biology Presents:

**Coordinated Remodeling: How Cell Adhesions and The Cytoskeleton
Drive Collective Migration**

Monday, March 23rd, 2026 • 3:30 PM • 232 Ackert Hall



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Collective cell migration, or the coordinated movement of groups of cells, is fundamental to life and disease: driving embryonic development, promoting wound healing, and permitting metastasis of cancer. Migrating epithelial cells must promote cytoskeletal contractility to drive forward movement and maintain cell-cell adhesion with their neighbors to remain coordinated. Using *Drosophila* embryonic wound healing as a model, we have demonstrated the importance of cell-cell adhesion remodeling and strengthening in driving rapid collective migration. We are currently working to understand how adhesions work together with the cytoskeleton to coordinate movement and the upstream signals that initiate and sustain migration.

If you would like to visit with Dr. Katy Rothenberg, please contact Dr. Jocelyn McDonald at jmcdona@ksu.edu.

Coffee & snacks served preceding the seminar in Ackert Hall, Room 225