

Molecular and Cellular Biology Special Seminar

“Understanding chemical attraction...of cells!”

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Tuesday May 15th, 2019
ENR2 Room S215 @ 10AM

Hosted By: The MCB Department



My group studies how cells migrate in response to external chemical cues (chemoattractants), a process (chemotaxis) that is important to normal physiology and that is also implicated in the onset and progression of diseases such as cancer metastasis. Our goal is to identify key, conserved intracellular signaling pathways and molecular mechanisms that control cell migration to guide the development of therapeutic strategies preventing the spread of cancer. For this, we work with the model organism *Dictyostelium discoideum* as well as normal and transformed human cells, and we use collaborative, interdisciplinary approaches that include molecular and cellular biology, biochemistry, biophysical methods, and mathematical modeling.

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