

Conflict or Compromise? Direction of spontaneous cell polarization and extracellular signaling

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Many cells are capable of establishing cell polarity spontaneously, but nevertheless polarity is oriented properly in tissues and organs in the animal body. How do cells resolve the directional conflict between spontaneously-established cell polarity and extracellular signals? In this seminar, I will introduce our recent efforts to understand the mechanisms involved in orienting cell polarity as a dynamic system, using an *in vitro* cell-manipulation technique and a semi-automatic computer program for quantitative data acquisition.

