
The 191st iCeMS SEMINAR

Fri 11 Sep 2015
15:00-16:00

Mechanics of cell contacts during tissue morphogenesis

Lecturer: **Prof Pierre-François Lenne**

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Venue: 2nd Floor Seminar Room (#A207)
iCeMS Main Building (#77), Kyoto University

Cell-generated forces produce a variety of tissue movements and tissue shape changes. How such forces are transmitted through cell contacts and how they integrate to induce deformation at the tissue level are key questions to understand how tissues acquire their shapes. Using quantitative imaging and force measurements *in vivo*, we study how subcellular tensile forces drive remodeling of cell contacts and tissue elongation in the *Drosophila* embryo. We will present our recent attempts to directly measure the mechanics of cell contacts *in vivo* and to delineate the role of internal and external forces in this process.

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Hosted by: iCeMS (Institute for Integrated Cell-Material Sciences), Kyoto University
Research and Education Platform for Innovative Research on Dynamic Living Systems Based on Multi-dimensional Quantitative Imaging and Mathematical Modeling, Kyoto University

