



CDB SEMINAR

Juergen A. Knoblich

Institute of Molecular Biotechnology of the Austrian Academy of Sciences,
Vienna, Austria

Thursday, November 11, 2010

16:00~17:00 C1F CDB Auditorium

Asymmetric cell division and tumorigenesis in *Drosophila* neural stem cell lineages

Profile

Dr. Knoblich is a distinguished scientist in the field of *Drosophila* cell biology. He has and continues to make major contributions in our understanding of the mechanisms underlying cell polarity and asymmetric cell division, using neural stem cells, neuroblasts, as a model. He has also developed neuroblasts as a model system for stem cell cancer. Recently he has extended his study to mammalian neural stem cells and discovered that a protein family, which includes *Drosophila* tumor suppressor Brat and Mei P-26, regulates microRNA activity to balance differentiation and proliferation in stem cell lineages in both *Drosophila* and mouse. This time he is visiting Japan to participate in a symposium in Kyoto. He will be coming to give a talk at the CDB, focusing on the relationship of asymmetric cell division and tumorigenesis.

Host:

Fumio Matsuzaki
Cell Asymmetry, CDB
fumio@cdb.riken.jp
Tel: 078-306-3217
(ext: 1633)

RIKEN CENTER for DEVELOPMENTAL BIOLOGY (CDB)