

遺伝子病制御研究所セミナー

Dr. Gary S Goldberg

Associate Professor

Dept. of Molecular Biology

University of Medicine and Dentistry of New Jersey

『Contact normalization: persuasion and compliance in a competitive environment』

日時:平成23年7月12日(火)13:00

場所: 遺制研5階セミナー室



Summary: Cells must communicate with each other to coordinate the development and survival of an animal. This communication can be mediated by diffusible factors that pass between cells, or by direct contact through cell junctions. Intercellular junctions mediate signals that allow normal cells to inhibit the transformed growth of neighboring tumor cells. This process is called “contact normalization”. Tumor cells need to escape contact normalization in order to become malignant or metastatic. This talk will describe how cell junctions, including connexins, integrins, and cadherins, as well as receptor mediated signaling and signal transduction events control or override contact normalization. This work can help us identify tumor biomarkers and chemotherapeutic targets, and to develop agents that effectively block cancer cell growth without harming other cells in the body.

Host: 分子腫瘍分野 教授 藤田恭之 (内線5530)