

IGM Seminar

Date : Nov 27, 2012 17:00 start
Place : IGM 5th Floor Seminar Room

『MT1-MMP: a cell surface metalloproteinase that promotes cellular invasion』



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Our group is interested in cell migration in tissue. In contrast to cells on culture dishes, cells in tissue face physical barrier matrix, namely extracellular matrix (ECM), and it is essential for them to degrade ECM component to migrate through. Membrane-bound matrix metalloproteinase, MT1-MMP is a proteolytic enzyme which promotes this process, and is expressed in various cells with invasive character, including invasive cancer cells, activated fibroblasts, macrophages and endothelial cells under angiogenesis. In this seminar I would like to discuss regulatory mechanisms of MT1-MMP, which are essential to promote cellular invasion and its involvement in one of the inflammatory tissue destructive disease, rheumatoid arthritis.

Host: Yasuyuki FUJITA (Molecular Oncology) Tel; 5530