

ID No.	K2004
Project Title	Ligustilide inhibits the promotion effect of prostate-cancer associated fibroblasts (CAFS) on endothelial cells
Principal Investigator	Qin Zhihai (Prof./Institute of Biophysics, CAS)
Project Members IMSUT Host Researcher Members	Jun-ichiro Inoue (Prof./IMSUT)
Report	
<p>On Nov. 11<sup>th</sup> 2019, Professor Zhihai Qin gave us an International Joint Usage/Research Center Seminar entitled “Understanding and Targeting Cancer Microenvironment”. In the cancer tissue, except for neoplastic cells, there are different kinds of stromal cells, such as fibroblasts, endothelial cells as well as hematopoietic pro-inflammatory cells. They produce pro-inflammatory cytokines, chemokines and extracellular matrix and directly or indirectly influence the death or survival of cancer cells during cancer development and cancer therapy. His group is focusing on the multi-disciplinary interaction between cancer cells and/or their pro-inflammatory neighbor cells. He presented some of his recent studies about the accumulation, function and therapeutic modulation of novel subtypes of cancer-associated myeloid cells as well as fibroblasts. After his seminar, we discussed about whether TRAF6-NFkB pathway is involved in his observations. To address this question, Inoue sent him TRAF6-KO MEF cells.</p>	