Immune response in therapy-induced tumor microenvironmental alterations

主持人：曾鴻泰 博士 (Hong-Tai Tzeng, Ph.D.)

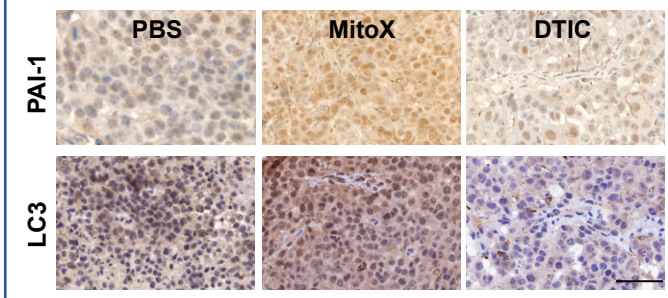
研究助理：李如芳，黃瑛芳　　工讀生：黃宜婷

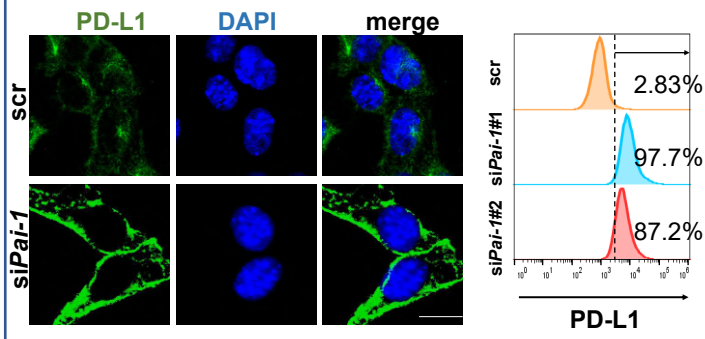
Tel: 07-731-7123 ext.8592

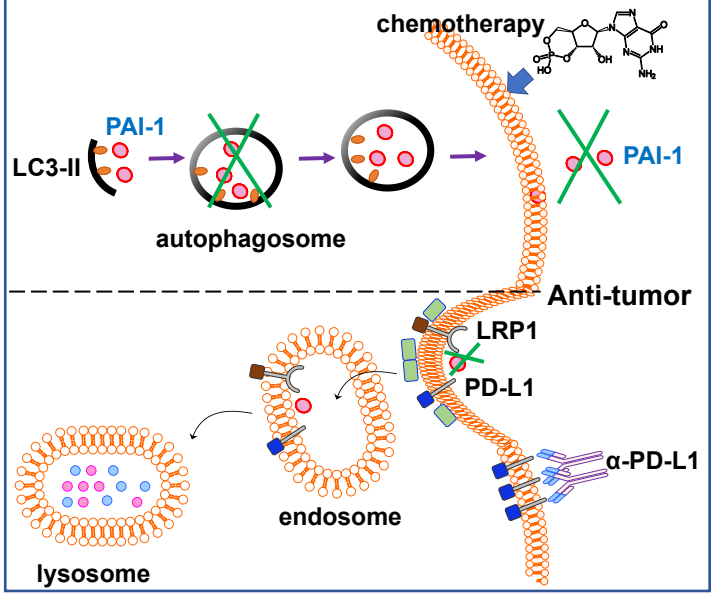
Email: htay11@cgmh.org.tw

Interplays between tumor and immune cells in tumor microenvironment predispose to promote tumor development owing to the enhanced pro-tumoral activities and reduced anti-tumor functions. Tumor-derived signaling apparently can modulate the function of surrounding immune cells in the tumor microenvironment in response to therapy. Our goal is to dissect the immune reactions following therapy-elicited tumor microenvironmental changes for development of novel therapeutic strategies that can provide durable anti-tumor responses.

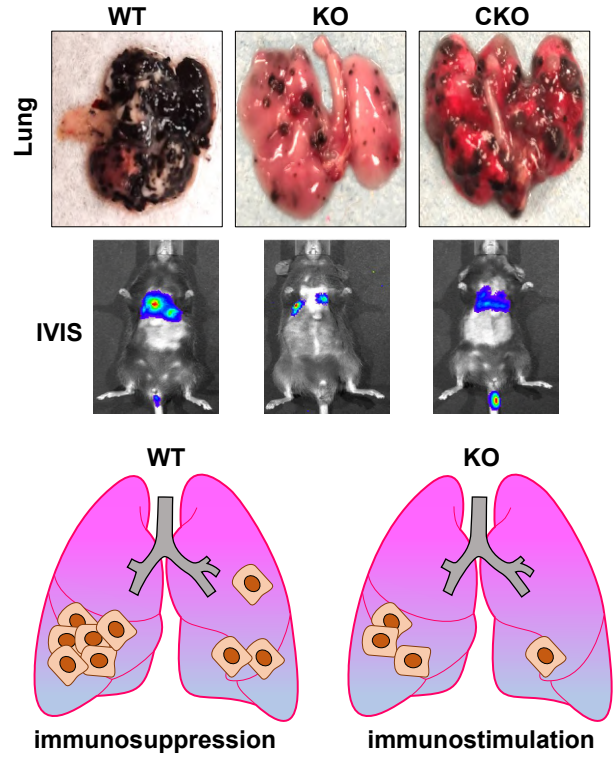
(I) PAI-1 trafficking in regulation of response to chemo- and immunotherapy







(II) Impact of host PAI-1 on lung metastasis



(III) Modulation of tumor vasculature by radiotherapy