



Autophagy, the Mechanisms and Role in Cancer

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Date	: 18 July 2017 (Tuesday)
Time	: 4:30 pm – 6:00 pm
Venue	: SCM 809
Language	: English
Facilitator	: Prof. Bian Zhao Xiang

Abstract

Autophagy is a stress-responsive, cellular catabolic process mediated by specific intracellular membrane trafficking and lysosomal degradation. Autophagy is required for multiple physiological events, and its deregulation is implicated in various human diseases. This seminar will describe recent work from the lab concerning the molecular mechanisms of autophagy, as well as how the learned mechanisms shed lights on the role of autophagy in cancer development and the potential of autophagy-targeted cancer treatment.

Biography

Cell biologist Xuejun Jiang studies the mysteries of programmed cell death and its role in the formation of tumors, major include: (1) Molecular mechanism of programmed cell death and its role in human diseases; (2) The molecular mechanism of cell autophagy and its role in cell death and human cancer; (3) Regulation and function of tumor suppressor PTEN. Based on the findings from basic research, Prof. Jiang's laboratory is also working on the development of potential cancer treatment and diagnostic methods.

Prof. Jiang Xuejun joined the Sloan Kettering Institute to head his own laboratory at 2003. He is the review committee member of the United States National Institutes of Health fund project and the reviewer or editorial board of many academic journals. By the end of 2016, he has obtained 6 invention patents and more than 60 academic papers published in Science, Cell, PNAS, Autophagy, JBC and other academic journals (more than 10,000 times citations).

~ All are welcome ~