

# 慶應医学学会例会

微生物学・免疫学教室特別ジョイントセミナー

演者 Subburaj Ilangumaran, Ph.D.

Professor, Dept. Pediatrics Immunology Division  
University of Sherbrooke, Canada

演題 “Tumor suppression mechanisms of SOCS1”

(要旨)

Clinical and experimental data strongly support the notion that SOCS1 is a tumor suppressor protein. However, molecular mechanisms underlying the tumor suppressor function of SOCS1 are far from clear. Using a murine liver cancer model, we have shown that SOCS1 regulates oncogenic MET signaling and prevents CDKN1A, which normally functions as a tumor suppressor, from gaining oncogenic potential. Our recent findings indicate that SOCS3, which exerts tumor suppression independently of SOCS1, is also modulated by the loss of SOCS1 in hepatocytes.

演者 Xiaoxia Li, Ph.D.

Professor, Cleveland Clinic Lerner Research Institute, Ohio, USA

演題 “IL-17 Signaling in Autoimmunity and Cancer”

(要旨)

IL-17A is responsible for protection from multiple forms of infectious disease (particularly fungal infection) but are also associated strongly with autoimmune diseases and cancer. Since the discovery of this connection (first published in 2007) we have continued to dissect the molecular regulation of IL-17-mediated physiology and pathophysiology and have identified critical determinants that enable this pathway to connect to multiple downstream endpoints. Such functional diversity and the knowledge of responsible molecular controls have allowed us to develop candidate inhibitors that have shown significant potential for therapeutic application in pre-clinical studies.

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東校舎1F会議室

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