

Young Scientist Seminar



Dr. W.K. Eddie Ip

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Sep 26th (Wed) 2018, 16:00~17:00

@ Kyoto University KUIAS/iCeMS Main Building
2F Seminar Room

Metabolic Reprogramming of Macrophages by IL-10

Abstract

It is well appreciated that interleukin 10 (IL-10) is an anti-inflammatory cytokine that plays a critical role in the control of immune responses. However, its mechanisms of action remain largely unknown. In my seminar, I will discuss new mechanistic insight into the inhibitory effect of IL-10, and will specifically focus on how IL-10 inhibits inflammatory response in macrophages via controlling cellular metabolism. Moreover, I will discuss the relevance of our findings to inflammatory diseases in a mouse model of colitis and inflammatory bowel disease patients.

Reference

Ip WKE, Hoshi N, Shouval DS, Snapper S, Medzhitov R, 2017 **Science**

Brief Introduction

Dr. Ip was an Associate Research Scientist of the Ruslan Medzhitov lab at Department of Immunobiology, School of Medicine, Yale University (~8/2018). Recently, he has started his own lab as an Assistant Professor of Immunology, College of Medicine, Mayo Clinic.

Spoken language: English

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