

Speaker : **Jean Pieters, Ph.D.,**
Biozentrum, University of Basel, Switzerland

Title : Immune Cell Activation and the Control of Pathogenic stimuli

Our laboratory is investigating the mechanisms that are involved in immune cell activation upon triggering by diverse stimuli. Among the contributions of the laboratory to a better understanding of immunity are the characterization of the intracellular events leading to antigen presentation, the identification of immune evasion mechanisms employed by the human pathogen *Mycobacterium tuberculosis* within macrophages and the discovery of a leukocyte specific signaling pathway essential for T cell survival. One long-standing interest has been to decipher the role of the immunoregulatory protein coronin 1 in T cell biology. Our recent work suggests that coronin 1 modulates cAMP-dependent signaling, and that targeting coronin 1 results in allograft-specific tolerance without compromising pathogen-specific immunity and in the absence of immunosuppression-associated comorbidities. In my seminar, I will discuss the background of these findings as well as our recent results and talk about potential implications of this work.

Date : **Wednesday, August 28, 2019**
11:00 - 12:00

Place : **Room 914,**
9F Clinical Research Bldg. A,
7-3-1 Hongo, Bunkyo-ku, Tokyo

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