The Max Planck Center Seminar Series

演者：Dr. Mayumi Mori, Ph.D..

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演題: Homeostasis of Peripheral CD4⁺ T Cells Maintained by Coronin 1

*This seminar will be given in English.

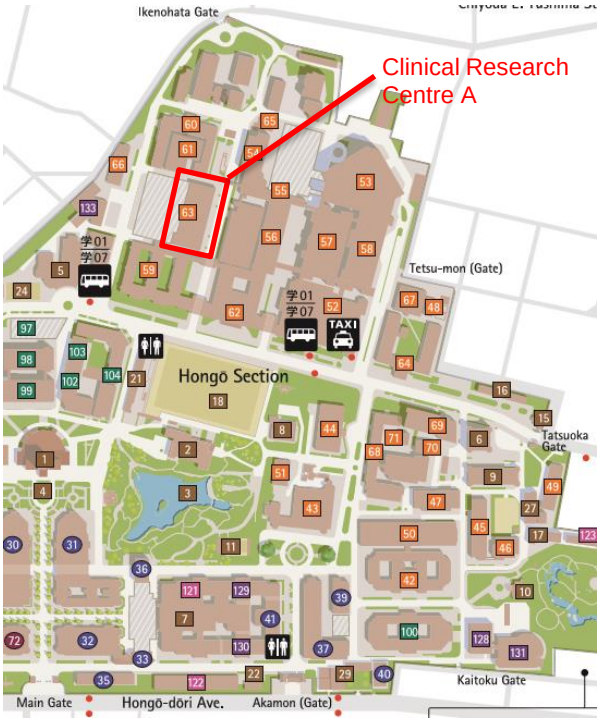
Regulation of the number of peripheral T cells is important to enable our body to protect against infectious diseases and cancer as well as to suppress undesirable immune reactions such as occurring during autoimmunity.

A member of the conserved tryptophan-aspartate repeat-containing protein family, coronin 1, has been known to play essential roles in the immune system. The absence of coronin 1 in both mice and humans results in a profound depletion of peripheral CD4⁺ T cells, despite a normal thymic development, thymic egress, peripheral migration and canonical cytokine signaling. In this seminar, I will discuss our recent work analyzing the critical role for coronin 1 in expansion of the peripheral T cell pool in juvenile mice[1]. This work may help to further understand the mechanisms of homeostatic maintenance of peripheral T cells.

1. Lang MJ*, Mori M*, Ruer-Laventie J, Pieters J. *J Immunol*. 2017 *In press*. pii: ji1700438. doi: 10.4049/jimmunol.1700438. (*: These authors equally contributed.)

Date：Sep. 27th, 2017
16 : 30 - 17 : 30

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



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