

Immune Regulation by the Gut Microbiota

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This seminar is only available in Japanese.

Day, Time

WED, DEC 11, 2013
12:00-13:00

Venue

Room B [2F Room201]
Makuhari Messe Chiba, Japan



Chair

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Speaker

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The intestinal mucosa has a unique immune system composed of a variety of unique immune cell populations, which actively react with potentially pathogenic microbes. On the other hand, the intestinal immune system need to simultaneously remain tolerant towards the vast majority of non-pathogenic microbiota. Although it still remains unclear how this delicate balance is maintained in the intestine, a combination of gnotobiotic techniques and the latest immunological evidence has contributed to significant advances in our understanding of how host-microbiota interactions modulate mucosal immune systems. In particular, segmented filamentous bacteria and bacterial species falling within clusters VI and XIVA of the class Clostridia have been shown to deeply affect the generation and function of mucosal immune cells, including Th17 cells and Treg cells. In this seminar, I will talk about recent progress of our understandings of the effects of the components of the microbiota, and also discuss how imbalanced compositions of the gut microbiota (dysbiosis) affect the host immune system and disease developments.

「セミナー弁当引換券」発券場所と日時について

- 場所: 幕張メッセ1階
- 発券時間: 12月11日(水) 7:30~11:10