

WORLD SCIENCE LEADERS' SEMINAR

ワールドサイエンスリーダーズセミナー

CONTROL OF ENTERIC PATHOGENS BY HOST IMMUNITY AND THE MICROBIOTA

Guest Speaker

Dr. Gabriel Núñez

Professor, University of Michigan
Department of Pathology and
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Wed. June 17
12:15 - 13:30

Clinical Lecture Room B in Medical Area

医学エリア 臨床講義室 B

Abstract :

The mechanisms that allow pathogens to colonize the intestine and to cause disease are poorly understood. Our laboratory is using *Citrobacter rodentium*, a mouse pathogen that models human infections by enteropathogenic *E. coli*, to understand the mechanisms that regulate the colonization and clearance of the pathogen in the gut. These studies have revealed how the pathogen colonize and replicate successfully in the intestine early during infection and how the host immune system and the indigenous microbiota cooperate to eradicate the pathogen in the later stage of the infection.

This seminar will be held as a part of the class
“ World Science Leaders’ Seminar” in Human Biology Program

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