Tokyo University of Agriculture and Technology
Institute of Global Innovation Research

グローバルイノベーション研究院　公開セミナー
Institute of Global Innovation Research Open Seminar

言語 / 英語　Language/English

Genomic insights into immunity from an aspiring model species

July 29, Mon, 15:00 - 16:30

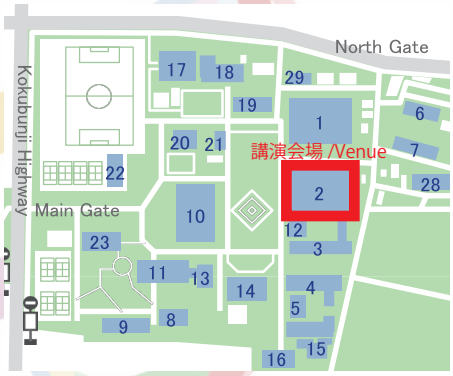
東京農工大学 府中キャンパス 2 号館 講義室 22
Room 22, Building 2, Fuchu Campus TUAT

Dr. Seth Barribeau
University of Liverpool, UK

Immunity in insects has traditionally been thought of as a bit dull since they lack the adaptive immune response. Despite this apparent handicap insects achieve surprisingly complex tasks that are similar to those produced by adaptive immune responses in vertebrates, including immune memory and specificity of resistance. Recent advances in genomic and transcriptomic techniques have made interrogating the putative mechanisms behind biologically interesting traits in diverse species more feasible than ever before. Here I discuss how comparative genomics and experimental transcriptomics are beginning to shed light on the mechanisms behind these processes in a model of ecological immunology, the bumblebee Bombus terrestris and ongoing work into similar processes in the European honeybee Apis mellifera, and insects that vector human diseases.

■主催／Organized by
グローバルイノベーション研究院
Institute of Global Innovation Research
卓越大学院プログラム
Excellent Leader Development for Super Smart Society
by New Industry Creation and Diversity

■お問合せ先／Contact
農学研究院　井上真紀
Maki Inoue, Senior Assistant Professor, Institute of Agriculture
Email: makimaki (ここに@を入れてください) cc.tuat.ac.jp



どなたでも、ご聴講いただけます。
Everyone is welcome to attend.

詳細はホームページをご覧ください
Please refer to our website for more information

https://www.tuat-global.jp
https://www.tuat-global.jp/english/