

## “ Immunity, inflammation and cancer from the prism of gut fungi ”



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**February 5<sup>th</sup> (Wed.), 10:30~ (1F, Main meeting room)**

Barrier surfaces harbor a community of microorganisms that span microbial kingdoms, including bacteria and fungi. Interactions between the microbiota and the host are becoming recognized to play ever-expanding roles in physiology. We described an unexpected involvement of gut fungi in hematopoiesis and the modulation of host immune repertoires. Here I will discuss the mechanisms through which fungal species influence these processes, leading to the alteration of immune outcomes and disease states.

#### Recent publications:

- Iliev I. *et al.*, *Cell*, 187(19), 5121-5127 (2024).
- Liao Y. *et al.*, *Nature*, 636(8043), 697-704 (2024).
- Iliev I. *et al.*, *PNAS Nexus*, 3(10), 437 (2024).
- Kusakabe T. *et al.*, *Nat. Immunol.*, 24(11), 1879-1889 (2023).
- Lin W.Y. and Iliev I. *Science*, 381(6657), 483-484 (2023).

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