

## Regulation of host-microbiota interactions in the intestine



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**About this seminar:** Dr. Alenghat's lab investigates mechanisms that instruct the host-microbiota relationship, and how this level of regulation affects intestinal health, infection, and inflammation. Her talk discusses interactions between microbiota-derived metabolites and host pathways that regulate intestinal epithelial homeostasis and defense.

### References:

1. Wu S.\*, Hashimoto-Hill S.\*, Woo V., Eshleman E., Whitt J., Engleman L., Karns R., Denson L.A., Haslam D., Alenghat T. (2020). **Microbiota-derived metabolite promotes HDAC3 activity in the gut.** Nature. 586(7827):108-112. doi: 10.1038/s41586-020-2604-2. \*Equal contribution. PMID: PMC7529926.
2. Woo, V., Eshleman, E.M., Whitt, J., Hashimoto-Hill S., Wu S., Engleman L., Rice, T., Karns R., Qualls, J.E., Haslam, D.B., Vallance, B.A., Alenghat, T. (2021). **Commensal segmented filamentous bacteria-derived retinoic acid primes host defense to intestinal infection.** Cell Host & Microbe. doi: 10.1016/j.chom.2021.09.010. PMID: In Process.

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<https://tinyurl.com/y5rd2uut>

Meeting ID: 951 0349 9512  
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