

Mining Metabolites from Microbiota

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Symbiotic microbiota is now well appreciated as an indispensable component of host immune development and regulation. However, identifying the novel structures of microbiota-derived effector molecules ('endobiotic metabolites') and confirming their actions to the host is often not straightforward. In this lecture, I will showcase how we characterize immunomodulatory endobiotic metabolites in host-microbiota-environment complex, synergizing expertise in chemistry, microbiology and immunology.

Ref: **Oh SF†*** *et al.*, Host immunomodulatory lipids created by symbionts from dietary amino acids. (2021) *Nature*, **600**: 302-307.