

"Microbial Interactions with the Nervous System in Digestive Health and Disease"



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About this seminar:

The digestive tract is richly innervated by extrinsic neurons and a vast number of intrinsic neurons and glia that constitute the enteric nervous system (ENS). These circuits are at the nexus of dynamic interactions between the outside world (nutrients and microbes) and the inside world (endocrine and immune systems). This seminar will focus on how commensal and pathogenic bacteria interact with the ENS to regulate gastrointestinal physiology and pathophysiology, including how these pathways can be targeted to advance human health.

Reference(s):

1. PMC11188852
2. PMC10922887
3. PMC8759776