



WEEKLY GI RESEARCH FORUM

**“Dysbiosis in the
Preterm Neonate:
Prevention and
Treatment”**



Josef Neu, M.D.

Professor, Department of Pediatrics

Co-Director, Neonatal-Perinatal Medicine Fellowship Program

UF Health, Florida

Non culture based technologies for sequencing the microbial genome have opened new avenues that aid in the understanding of how microbes interact with the human host. Various other "omic" technologies are also being developed along with bioinformatic analyses that provide a much better overall mechanistic view on these interactions. This lecture will provide an overview of how these interactions along with environmental perturbations may affect subsequent health during early life.

References: (1) Neu, J. Necrotizing Enterocolitis: A Multi-omic Approach and the Role of the Microbiome. *Dig Dis Sci.* 2020 Mar;65(3):789-796. (2) Patton, L., et al. Antibiotics Effects on the Fecal Metabolome in Preterm Infants. *Metabolites.* 2020 Aug 13;10(8):331. (3) Pammi, et al. Intestinal dysbiosis in preterm infants preceding necrotizing enterocolitis: a systematic review and meta-analysis. *Microbiome.* 2017 Mar 9;5(1):31.

OCT 8 • 4:00 PM

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Meeting ID: 951 0349 9512
Password: 2020

Questions? Contact escamill@bcm.edu