



Digestive Diseases Research Seminar
Presented by Yale School of Medicine,
Department of Internal Medicine, and Section of Digestive Diseases

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Characterization of a rare intestinal cell type implicated in fluid secretion

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5:00 - 6:00 pm

<https://yale-hipaa-edu.zoom.us/j/97485131430?pwd=cUo0YndCMXJjWmw1ME10ZFRmUnlzdz09>

Host: Nadia Ameen, MBBS

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There is no corporate support for this activity. Accreditation: The Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. **Target Audience:** YSM faculty, fellows, nurses, residents, medical students, staff, and other health care providers. **Designation Statement:** The Yale School of Medicine designates this live activity for 1 AMA PRA Category 1 Credit(s)[™]. Physicians should only claim the credit commensurate with the extent of their participation in the activity. **Designation Statement:** Intestinal disease leads to high morbidity in Cystic Fibrosis patients because lack of fluid secretion results in increased acidity in the proximal small intestine, leading to inspissated thick mucus, bacterial overgrowth, chronic inflammation, and distal intestinal obstruction. These effects are attributed to the presumed function of the crypt as the primary site of intestinal fluid secretion, as cells within the crypt express higher CFTR levels compared to absorptive villus enterocytes. This course will challenge the current dogma by describing a rare cell type in the human and rat intestine whose primary role is in fluid secretion and regulation of intestinal lumen pH. **Objectives:** Discuss the role of the intestine in cystic fibrosis disease; Demonstrate the presence of a rare subtype of cells in the rat and human intestine; Demonstrate the potential role of this cell subtype in fluid secretion and pH sensing. **Faculty Disclosures:** K Sumigray – None; N Ameen – None. It is the policy of Yale School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational programs. All faculty participating as speakers in these programs are required to disclose any relevant financial relationship(s) they (or spouse or partner) have with a commercial interest that benefits the individual in any financial amount that has occurred within the past 12 months; and the opportunity to affect the content of CME about the products or services of the commercial interests. The Center for Continuing Medical Education will ensure that any conflicts of interest are resolved before the educational activity occurs. **This course will fulfill the licensure requirement set forth by the State of Connecticut.**