



**Digestive Diseases and Yale Liver Center  
Research Seminar**

**YaleCME**  
CONTINUING MEDICAL EDUCATION

*Presented by*

Yale School of Medicine's Department of Internal Medicine,  
Section of Digestive Diseases

**“Development of human polarized cell  
models to study the pathophysiology and  
treatment of biliary diseases”**

**Romina Fiorotto, PhD**

Assistant Professor, Department of Medicine  
(Digestive Diseases), Yale School of Medicine

**Tuesday, February 11, 2020  
TAC S-247, 300 Cedar Street  
5:00 - 6:00 pm**

*Host: Mario Strazzabosco, MD, PhD*

**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, and staff, and local GI physicians. **Designation Statement:** The Yale School of Medicine designates this live activity for 1 AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should only claim the credit commensurate with the extent of their participation in the activity. **Needs assessment:** Cholangiopathies, a diverse group of chronic liver diseases, primarily affect the epithelial cells (cholangiocytes) lining the intra- and extra-hepatic bile ducts. Cholangiopathies are an important cause of morbidity and mortality among the pediatric and young adult population and represent a burden of modern hepatology. A major unmet need in cholangiopathies is the lack of in vitro human models to study the pathogenesis of the disease and to validate potential therapeutic targets. Availability of human in-vitro models would facilitate the understanding of the pathophysiology of these elusive diseases. **Objectives:** Generation of in vitro human model of biliary cells from induced pluripotent stem cells (iPSC). Derivation of mature and functional biliary organoid cultures. Modeling biliary diseases using iPSC and organoids. **Faculty Disclosures:** R. Fiorotto - None. M. Strazzabosco – Bayer Advisory Board, Speaker; Eisai/MERK Advisory Board, Speaker; ENGITX Advisory Board, Speaker. 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.**