

# **Biliary Atresia: A Clinical and Translational Science Research Workshop**

**Jun 28, 2017**

8:00 a.m. – 8:10 a.m.

**Welcome and Introduction**  
Edward Doo and Ronald Sokol

## **Session I**

**Clinical Aspects and Genetics of Biliary Atresia (BA)**  
**Moderator: Ronald Sokol**

8:10 a.m. – 8:30 a.m.

**Biliary atresia: A clinical challenge in the 21st Century**  
Ronald Sokol

8:30 a.m. – 8:50 a.m.

**Clinical Variants of biliary atresia**  
Mark Davenport

8:50 a.m. – 9:10 a.m.

**Genetic Susceptibility and Causation of BA**  
Nancy Spinner

9:10 a.m. – 9:30 a.m.

**Prenatal versus Postnatal onset of BA: Implications for pathogenesis**  
Benjamin Shneider

9:30 a.m. – 9:45 a.m.

**Discussion**

9:45 a.m. – 10:00 a.m.

**Break and Poster Viewing**

## **Session II**

**Cholangiocyte Biology, Injury and Fibrosis**  
**Moderator: Rebecca Wells**

10:00 a.m. – 10:20 a.m.

**Embryology and Regulation of Bile Duct Development and BA**  
Frederick Lemaigre

10:20 a.m. – 10:40 a.m.

**Genetic Variation in the Proteostatic Stress Response – Potential BA Risk Factor**  
Michael Pack

10:40 a.m. – 11:00 a.m.

**Biliatresone: Novel toxic injury to the cholangiocyte**  
Rebecca Wells

11:00 a.m. – 11:20 a.m.

**Mechanisms of Fibrosis in Cholangiopathies**  
Mario Strazzabosco

11:20 a.m. – 11:40 a.m.	<b>Discussion</b>
11:40 a.m. – 12:40 p.m. <b>Session III</b>	<b>Lunch (on your own) and Poster Viewing Inflammation and Fibrosis in Biliary Atresia Moderator: Jorge Bezerra</b>
12:40 p.m. – 1:00 p.m.	<b>Role of Viruses in Biliary Atresia: From mouse models to human data</b> Claus Petersen
1:00 p.m – 1:20 p.m.	<b>Immunologic Effectors of Biliary Atresia: Injury and survival signals</b> Jorge Bezerra
1:20 p.m. – 1:40 p.m.	<b>Autoimmunity in Biliary Atresia</b> Cara Mack
1:40 p.m. – 2:00 p.m.	<b>Liver Fibrosis in Biliary Atresia</b> Mikko Pakarinen
2:00 p.m.. – 2:20 p.m.	<b>Discussion</b>
2:20 p.m. – 2:35 p.m.	<b>Break and Poster Viewing and Removal</b>
<b>Session IV</b>	<b>Translating Science into Action Moderator: Saul Karpen</b>
2:35 p.m.. – 2:55 p.m.	<b>Novel Therapeutic Targets and Strategies</b> Saul Karpen
2:55 p.m – 3:15 p.m.	<b>Epigenetic Targets in Obstructive Cholestasis</b> Frederick Suchy
3:15 p.m. – 3:35 p.m.	<b>Biliary Organoids to Model Biliary Diseases</b> Ludovic Vallier
3:35 p.m. – 3:55 p.m.	<b>Cell based therapeutics: Is there a role in biliary atresia?</b> Holger Willenbring
3:55 p.m. – 4:20 p.m.	<b>Discussion</b>
<b>Session V</b>	<b>Moderators: Jay Hoofnagle, Ronald Sokol, Rebecca Wells, Jorge Bezerra</b>
4:20 p.m. – 5:00 p.m.	<b>Defining research challenges, priorities, and opportunities</b>

**for biliary atresia**  
Audience and Moderators