

**CHOLANGIOCYTES IN HEALTH AND DISEASE:
FROM BASIC SCIENCE TO NOVEL TREATMENTS**

9-11 JUNE 2017

OSLO, NORWAY

SCIENTIFIC ORGANISING COMMITTEE

Jesus M. Bañales, *Spain*

Peter Jansen, *Netherlands*

Nicholas F. LaRusso, *United States*

Marco Marzioni, *Italy*

PRELIMINARY* PROGRAMME

DAY I – Friday, 9 June 2017

13:30 – 14:00

Welcome and introductory remarks

Jesus M. Bañales, *Spain*

Peter Jansen, *Netherlands*

Nicholas F LaRusso, *United States*

Marco Marzioni, *Italy*

14:00 – 14:30

State-of-the-Art lecture

Cholangiocyte pathobiology: Past, present and future

Nicholas F LaRusso, *United States*

I. THE BILIARY TREE

Chairs: Gianfranco Alpini, *United States*
Joost Drenth, *Netherlands*

14:30 – 14:55

3D Anatomy of the biliary tree: Intravital two-photon based functional imaging of bile salt transport in cholestasis - pathophysiology of bile infarct formation

Jan Hengstler, *Germany*

14:55 – 15:20

Development of the biliary tree

Frederic Lemaigre, *Belgium*

15:20 – 15:45

Liver injury combined with inhibition of hepatocyte proliferation leads ductular cells to function as facultative stem cells for hepatocytes

Stuart Forbes, *United Kingdom*

15:45 – 16:10

Repopulating the biliary tree from the peribiliary glands

Robert Porte, *Netherlands*

*Subject to change

16:10 – 16:35 **Bio-engineering the biliary tree**
Fortis Sampaziotis, United Kingdom
16:35 – 16:50 *Coffee break*

2. CHOLANGIOCYTE PATHOPHYSIOLOGY

Chairs: Marco Marzioni, Italy
Gustav Paumgartner, Austria

16:50 – 17:15 **Animal models of biliary injury and altered bile acid metabolism**
Luca Fabris, Italy
17:15 – 17:40 **Mechanisms of regulation of cholangiocyte response to injury**
Gianfranco Alpini, United States
17:40 – 18:05 **Non coding-RNAs and extracellular vesicles**
Jesus M. Bañales, Spain
18:05 – 18:30 **Genetics and mechanisms of biliary cystogenesis: Impact in the clinical practice** – Joost Drenth, Netherlands
18:30 – 18:55 **Pathogenesis and 3D structure of biliary fibrosis**
Massimo Pinzani, United Kingdom
19:00 – 20:00 *Cocktail reception*

DAY 2 – Saturday, 10 June 2017

3. BILE ACIDS AND THE BILIARY TREE: RECEPTORS AND BIOLOGICAL EFFECTS

Chairs: Jose J. G. Marin, Spain
Michael Trauner, Austria

08:30 – 08:55 **Nuclear hormone receptors as drug targets**
Bart Staels, France
08:55 – 09:20 **Gut and liver interactions**
Antonio Moschetta, Italy
09:20 – 09:45 **TGR5 in physiology and disease**
Verena Keitel, Germany
09:45 – 10:10 **Bile acids, FGF15/19 and liver regeneration: from mechanisms to clinical applications**
Matias Avila, Spain
10:10 – 11:00 *Coffee break*

4. CLINICAL CONSEQUENCES OF ALTERED BILE ACID METABOLISM

Chairs: Nicholas F. LaRusso, United States
Peter Jansen, Netherlands

11:00 – 11:25 **The molecular mechanism of cholestatic itch**
Ronald Oude Elferink, Netherlands
11:25 – 11:50 **Heart and bile acids**
Catherine Williamson, United Kingdom
11:50 – 12:15 **Bile acid-induced nephropathy**
Peter Fickert, Austria

*Subject to change

12:15 – 13:45

Lunch and posters viewing

5. ORAL COMMUNICATIONS

Chairs: Jesus M Banales, *Spain*
Ronald Oude Elferink, *Netherlands*

13:45 – 15:00

Young investigators – selected abstracts (5 communications)

13:45 – 14:00

Serum extracellular vesicles contain protein biomarkers for primary sclerosing cholangitis and cholangiocarcinoma

Ander Arbelaiz, *Spain*

14:00 – 14:15

The role of ageing in the pathophysiology of the biliary epithelium: identification of a molecular profile

Luca Maroni, *Italy*

14:15 – 14:30

Inhibition of Src tyrosine kinase restores CFTR function in cystic fibrosis cholangiocytes derived from human induced pluripotent stem cells (iPSC) and improves the response to CFTR potentiators and correctors used in therapy

Romina Fiorotto, *United States*

14:30 – 14:45

Chronic treatment with clinic dose of metformin completely reverses the epithelial to mesenchymal transition (EMT) in human intrahepatic cholangiocarcinomas (iCCAs) by activated AMPK / Foxo3a pathway

Sabina Di Matteo, *Italy*

14:45 – 15:00

The bile acid receptor TGR5 regulates paracellular permeability and protects the liver through an impact on the tight junction protein JAM-A

Grégory Merlen, *France*

6. IMMUNITY IN THE BILIARY TREE

Chairs: Jesus Prieto, *Spain*
Erik Schrumpf, *Norway*

15:00 – 15:25

Mucosal immunity of the biliary tree in normality and disease

David Adams, *United Kingdom*

15:25 – 15:50

How the biliary tree maintains immune tolerance

Xiong Ma, *China*

15:50 – 16:15

Bile acid homeostasis and immunity of the liver

Christoph Schramm, *Germany*

16:15 – 16:40

IgG4 cholangiopathy, a new entity

Ulrich Beuers, *Netherlands*

16:40 – 17:10

Coffee break

*Subject to change

7. BILIARY CARCINOGENESIS

Chairs: Domenico Alvaro, *Italy*
Matias Avila, *Spain*

- 17:10 – 17:35 **Target molecules in cholangiocarcinoma cells**
Gregory Gores, *United States*
- 17:35 – 18:00 **Stem cell origin of cholangiocarcinoma**
Tania Roskams, *Belgium*
- 18:00 – 18:25 **Chemoresistance and chemosensitization in cholangiocarcinoma**
Jose JG Marin, *Spain*
- 18:25 – 18:50 **Tumour stroma in cholangiocarcinoma - A novel therapeutic target**
Joachim Mertens, *Switzerland*

DAY 3 – Sunday, 11 June 2017

8. MANAGEMENT ISSUES IN BILIARY DISORDERS

Chairs: Gregory Gores, *United States*
Raoul Poupon, *France*

- 08:00 – 08:25 **Cholangiopathies in children**
Richard Thompson, *United Kingdom*
- 08:25 – 08:50 **Genetics of familial cholangiopathies**
Frank Lammert, *Germany*
- 08:50 – 09:15 **Cholangiocarcinoma: Epidemiological trends and clinical management**
Shahid Khan, *United Kingdom*
- 09:15 – 09:40 **The endoscopist and malignant and non-malignant biliary obstructions**
Stephen Pereira, *United Kingdom*
- 09:40 – 10:10 *Coffee break*

9. ROUNDTABLE: REDIRECTING THE MANAGEMENT OF BILIARY DISORDERS

Chairs: Ulrich Beuers, *Netherlands*
Tom Karlsen, *Norway*

- 10:10 – 10:25 **Biomarkers for cholangiopathies and cholangiocarcinoma**
Daniel Gotthardt, *Germany*
- 10:25 – 10:40 **Assessment of hepatic secretion function with IIC-cholylysarcosine PET/CT**
Michael Soerenson, *Denmark*
- 10:40 – 10:55 **The future of therapy for cholangiopathies**
Michael Trauner, *Austria*
- 10:55 – 11:10 **Cholestatic drug induced liver injury**
Raul Andrade, *Spain*
- 11:10 – 11:25 **Cell transplantation**

*Subject to change

	Domenico Alvaro, <i>Italy</i>
11:25 – 11:40	Endpoints in the designing clinical trials Cyriel Ponsioen, <i>Netherlands</i>
11:40 – 11:55	Principles of value based medicine as applied to cholangiopathies Mario Strazzabosco, <i>Italy</i>
11:55 – 12:45	Panel discussion
12:45 – 13:00	Concluding Remarks
13:00 – 14:00	<i>Farewell Lunch</i>

