

PRELIMINARY PROGRAMME – EASL BASIC SCHOOL OF HEPATOLOGY

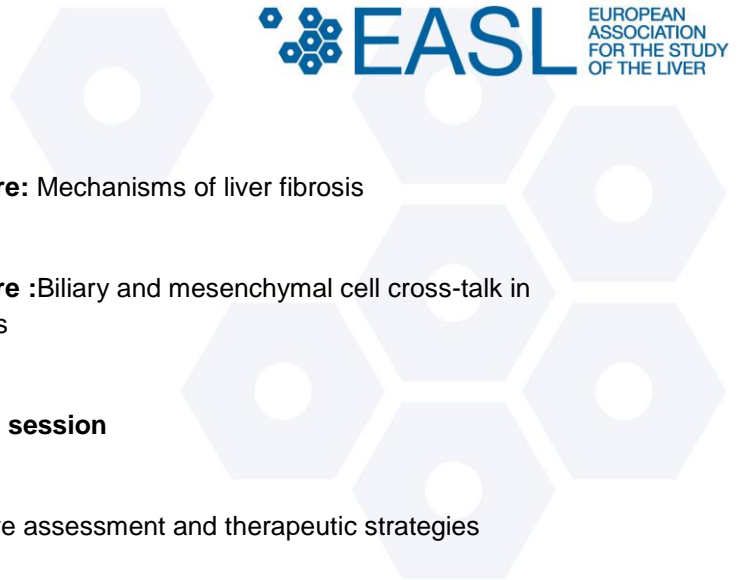
COURSE 9: EPITHELIAL MESENCHYMAL INTERACTIONS IN LIVER DEVELOPMENT, DISEASES AND CANCER

Milan, Italy
January 24-25, 2014

Course Directors: **Detlef Schuppan, Mainz, Germany**
Mario Strazzabosco, Milan, Italy

Friday, January 24, 2014

- 13.00 - 13.00 **Welcome address**
Introduction and Statement of Learning Objectives
- 13.30 - 15.45 **Session 1: Cholangiocytes**
Chair M. Avila, Spain
- 13.30 - 14.00 **State of the art Lecture**
Epithelial/Mesenchymal interactions in liver development
F. Lemaigre; Belgium
- 14.00 - 14.15 **Pathophysiology lecture: Cholangiocyte pathobiology**
C. Spirlj, Italy
- 14.15 - 14.30 **Technical review: tools and models to study cholangiocyte function**
R. Scirpo, Italy
- 14.30 - 14.45 **Technical review: Genetics of cholangiopathies**
F. Lammert, Germany
- 14.45 - 15.15 **Pathophysiology Lecture: Stem cells in the biliary tree**
D. Alvaro, Italy
- 15.15 - 15.45 **Questions and answers session**
- 15.45 - 16.00 **Coffee break**
- 16.00 - 18.45 **Session 2: Hepatic Stellate Cells, Portal Fibroblasts and Liver Fibrosis**
Chair D. Schuppan, Germany
- 16.00 - 16.20 **Pathophysiology lecture: Mesenchymal cells: types, functions and origin and pathobiology (with focus on cell/cell interaction)**
M. Parola, Italy
- 16.20 - 16.40 **Technical review: tools to study mesenchymal cell biology in liver disease and cancer**
C. Morell, Italy



- 16.40 - 17.00 **Pathophysiology Lecture:** Mechanisms of liver fibrosis
F. Marra, Italy
- 17.00 - 17.30 **Pathophysiology Lecture :**Biliary and mesenchymal cell cross-talk in congenital hepatic fibrosis
L. Fabris, Italy
- 17.30 - 18.00 **Questions and answers session**
- 18.00 - 18.45 **State of the Art Lecture**
Liver fibrosis: non-invasive assessment and therapeutic strategies
D. Schuppan, Germany

20.30 **Dinner**

Saturday, January 25, 2014

- 08.00 - 10.00 **Session 3: Macrophages and immune cells**
Chair D. Adams, UK
- 08.00 - 08.30 **Pathophysiology Lecture:** Role of macrophages in adaptive and innate immunity, models and tools to study macrophage function
V. Bronte, Italy
- 08.30 - 08.50 **Pathophysiology Lecture:** Role of macrophages in liver disease
E. Albano, Italy
- 08.50 - 09.10 **Pathophysiology lecture:** Cystic Fibrosis: role of biliary and mesenchymal cells in innate immunity
R. Fiorotto, Italy
- 09.10 - 09.40 **Pathophysiology lecture:** Immune cells, growth factors, cytokines, and epithelial/mesenchymal cross-talk
D. Adams, UK
- 09.40 - 10.00 **Questions and answers session**
- 10.00 - 10.20 **Coffee break**
- 10.20 - 12.00** **Session 4: Vascular Biology and neoangiogenesis, branching morphogenesis**
Chair L.D. Deleve, USA
- 10.20 - 10.50 **Pathophysiology Lecture:** LEC and angiogenesis in liver disease (includes methods, models and tools to study LEC function)
L.D. Deleve, USA

- 10.50 - 11.20 **Pathophysiology Lecture:** Vascular biology of the biliary epithelium
M. Strazzabosco, Italy
- 11.20 - 11.50 **Pathophysiology Lecture:** Critical revision of the role morphogens
(Wnt, Hedgehog and Notch) in regulating epithelial-mesenchymal interactions
M. Avila, Spain
- 11.50 - 12.20 **Questions and answers session**
- 12.20 – 14.00** **Meet the Professors Luncheons**
(small group tables with the faculties)
- 14.45 - 15.45** **Session 5: Epithelial-Mesenchymal interactions in liver cancer**
Chair M. Strazzabosco, Italy
- 14.00 - 14.45 **State of Art lecture**
The liver stem cell niche in liver repair and liver cancer
T. Roskams, Belgium
- 14.45 - 15.15 **Pathophysiology Lecture:** Tumor reactive stroma in Cholangiocarcinoma
M. Cadamuro, Italy
- 15.15 - 15.45 **Pathophysiology Lecture:** Role of stromal environment in HCC progression
G. Giannelli, Italy
- 15.45 - 16.15 **Questions and answers session**
- 16.15 - 16.30 **Coffee break**
- 16.30 **Closing remarks**
D. Schuppan, Germany
M. Strazzabosco, Italy

Adjourn