

LIVER VASCULAR BIOLOGY

25-27 OCTOBER 2018

BARCELONA, SPAIN

COURSE DIRECTORS

Dr Jordi Gracia-Sancho, *Spain*

Dr Mercedes Fernández, *Spain*

PROGRAMME OVERVIEW

DAY 1 – 25 October 2018

17:00	Welcome coffee
18:00 – 19:30	State-of-the-art: Basic and Translational Vascular Biology
18:00 – 18:45	Keynote lecture I: New insights in hepatic stellate cells biology Krista Rombouts, <i>UCL, London</i>
18:45 – 19:30	Keynote lecture II: Molecular pathogenesis of (chronic) liver injury: a Junk perspective Francisco Javier Cubero, <i>UCM, Madrid</i>
19:30	<i>Dinner and socializing</i>

DAY 2 – 26 October 2018

09:00 – 11:30	Methods & models to study the liver vasculature – the theory
09:00 – 09:20	Components and interactions within the liver sinusoid Jordi Gracia-Sancho, <i>IDIBAPS, Barcelona</i>
09:20 – 09:40	Animal models of chronic liver disease & transplantation María Martell, <i>Vall d'Hebrón, Barcelona</i>
09:40 – 10:00	Animal models of non-cirrhotic liver vascular diseases Virginia Hernández-Gea, <i>Hospital Clinic, Barcelona</i>
10:00 – 10:20	Angiogenesis in chronic liver disease Mercedes Fernández, <i>IDIBAPS, Barcelona</i>

- 10:20 – 10:40 Vascular component of hepatocellular carcinoma
Loreto Boix, *BCLC, Barcelona*
- 10:40 – 11:00 Lymphatic circulation in chronic liver disease
Manuel Morales-Ruiz, *Hospital Clinic, Barcelona*
- 11:00 – 11:30 *Coffee break*
- 11:30 – 11:50 In vitro models to study the liver sinusoid: co-culture & liver on
a chip
Jose Yeste, *Spanish Research Council, Barcelona*
- 11:50 – 12:10 In vitro models to study the liver sinusoid: iPS and organoids
Pau Sancho-Bru, *IDIBAPS, Barcelona*
- 12:10 – 12:30 In silico models to study liver diseases: big data analysis
Joan Clària, *Hospital Clinic, Barcelona*
- 12:30 – 13:30 *Lunch break*
- 13:30 – 16:00 **Methods & models to study the liver vasculature – hands
on**
1. Acquisition and analysis of hepatic and systemic
hemodynamic data
Marina Vilaseca, Héctor García-Calderó, Erica Lafoz
 2. How to study sinusoidal cells phenotype & their
interactions
*Anabel Fernández-Iglesias, Mar Coll, Martí Ortega-Ribera,
María Ruart*
 3. Liver surgery workshop
*Carmen Peralta, Mónica Jiménez, Maru Cornide, Anabel
Álvarez*
 4. Experimental models of portal hypertension
Marc Mejías, Marta Ramírez, Núria Pell
 5. In vivo, ex vivo and in vitro analysis of angiogenesis
Salvador Naranjo, Javier Gallego, Ester García-Pras
 6. Vascular structural disturbances in liver diseases
*Alba Díaz, Sergi Guixé-Muntet, Genís Campreciós, Raquel
Maeso-Díaz*
- 16:00 – 16:30 *Coffee break*

16:30 – 19:00

Methods & models to study the liver vasculature – hands on

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2. How to study sinusoidal cells phenotype & their interactions
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Carmen Peralta, Mónica Jiménez, Maru Cornide, Anabel Álvarez
7. Experimental models of portal hypertension
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8. In vivo, ex vivo and in vitro analysis of angiogenesis
Salvador Naranjo, Javier Gallego, Ester García-Pras
4. Vascular structural disturbances in liver diseases
Alba Díaz, Sergi Guixé-Muntet, Genís Campreciós, Raquel Maeso-Díaz

20:00

Dinner and social event (includes a practical exercise in which participants, grouped in teams, will have to respond a questionnaire about the theory and practices previously taught to win the “best knowledge prize”)



DAY 3 – 27 October 2018

Communication skills in liver science

09:00 – 10:00	Importance of preparing a good scientific pitch I Tony Anagor, <i>Barcelona/London</i>
10:00 – 10:15	<i>Break</i>
10:15 – 11:15	Importance of preparing a good scientific pitch II Tony Anagor, <i>Barcelona/London</i>
11:15 – 11:30	<i>Coffee break</i>
11:30 – 13:00	Pitch preparation (practical training) Participants divided in 5 teams, each of them with a mentor, will create a translational research project in the field of liver vascular diseases and prepare a 3-4 min pitch summarizing it. Aim of the pitch? : Convince an expert panel to fund their research! Mentors : JC Garcia-Pagan, Jaume Bosch, Montse Marí, Mercedes Fernández, FJ Cubero
13:00– 14:00	Practical exercise: Best Pitch contest – who gets funding? Jury: Tony Anagor, Jaume Bosch, Sabela Lens, Frank Tacke
14:00– 14:30	Best knowledge and best pitch prizes ceremony, closing remarks and farewell lunch

