

LIVER VASCULAR BIOLOGY

25-27 OCTOBER 2018

BARCELONA, SPAIN

COURSE DIRECTORS

Dr Jordi Gracia-Sancho, *Spain*

Dr Mercedes Fernández, *Spain*

PRELIMINARY 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>London</i>
18:45 – 19:30	Keynote lecture II: Targeting the inflammasome to prevent & treat liver diseases Michael Karin, <i>UCSD</i>
20:00	<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 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, <i>BCLC, Barcelona</i>
10:40 – 11:00	Lymphatic circulation in chronic liver disease Manuel Morales-Ruiz, <i>Hospital Clinic, Barcelona</i>
11:00 – 11:30	<i>Coffee break</i>
11:30 – 11:50	In vitro models to study the liver sinusoid: co-culture & liver on a chip Rosa Villa, <i>Spanish Research Council, Barcelona</i>
11:50 – 12:10	In vitro models to study the liver sinusoid: iPS and organoids Pau Sancho-Bru, <i>IDIBAPS, Barcelona</i>
12:10 – 12:30	In silico models to study the liver sinusoid: big data analysis Joan Clària, <i>Hospital Clinic, Barcelona</i>
12:30 – 13:30	<i>Lunch break</i>
13:30 – 16:00	Methods & models to study the liver vasculature – hands on <ol style="list-style-type: none">1. Acquisition and analysis of hepatic and systemic hemodynamic data Marina Vilaseca, Héctor García-Calderó, Dinesh M Tripathi2. How to study sinusoidal cells phenotype & their interactions Anabel Fernández-Iglesias, Mar Coll, Martí Ortega-Ribera3. Liver surgery workshop Carmen Peralta, Mónica Jiménez, Maru Cornide, Anabel Álvarez4. Experimental models of portal hypertension Marc Mejías, Ester García-Pras, Núria Pell5. In vivo, ex vivo and in vitro analysis of angiogenesis Salvador Naranjo, Javier Gallego, Marta Ramírez6. Vascular structural disturbances in liver diseases Alba Díaz, Sergi Guixé-Muntet, Raquel Maeso-Díaz
16:00 – 16:30	<i>Coffee break</i>

16:30 – 19:00

Methods & models to study the liver vasculature – hands on

1. Acquisition and analysis of hepatic and systemic hemodynamic data
Marina Vilaseca, Héctor García-Calderó, Dinesh M Tripathi
2. How to study sinusoidal cells phenotype & their interactions
Anabel Fernández-Iglesias, Mar Coll, Martí Ortega-Ribera
3. Liver surgery workshop
Carmen Peralta, Mónica Jiménez, Maru Cornide, Anabel Álvarez
4. Experimental models of portal hypertension
Marc Mejías, Ester García-Pras, Núria Pell
5. In vivo, ex vivo and in vitro analysis of angiogenesis
Salvador Naranjo, Javier Gallego, Marta Ramírez
6. Vascular structural disturbances in liver diseases
Alba Díaz, Sergi Guixé-Muntet, Raquel Maeso-Díaz

20:00

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
Tony Anagor, *Barcelona/London*

10:00 – 11:30

Pitch preparation (practical training)
Participants divided in 6 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, Jordi Gracia-Sancho, Massimo Pinzani

11:30– 12:00

Coffee break

12:00– 13:30

Practical exercise: Best Pitch contest – who gets funding?
Jury: Tony Anagor, Jaume Bosch, Sabela Lens, Massimo Pinzani

13:30– 14:30

Best knowledge and best pitch prizes ceremony, closing remarks and farewell lunch

