

Program

TARRAGONA
SPAIN
23-26 MAY

 **EL SEMINARI**
TARRACONENSE
Carrer de Sant Pau 4,
43003, Tarragona,
Spain

PRELIMINARY PROGRAM
[MARCH 2026]

Saturday
23rd MAY
2026

THE LIVER
SINUSOID 20
MEETING 26
23rd International Symposium
50th anniversary of ISHSR

- 13:30 ▶ 15:00 Registration desk open & welcome coffee & tea
- 15:00 ▶ 15:30 **CONFERENCE OPENING**
JORDI GRACIA-SANCHO
+ INSTITUTIONS REPRESENTATIVES
- 15:30 ▶ 16:30 **OPENING LECTURE:**
50 YEARS OF SINUSOIDAL SCIENCE: MILESTONES,
MECHANISMS, AND THE FUTURE:
BARD SMEDSROD (EUROPE-BASED PAST PRESIDENT)
HIDE TSUKAMOTO (AMERICAS-BASED PAST PRESIDENT)
VICTORIA COGGER (ASIA-PACIFIC-BASED PAST PRESIDENT)
- 16:30 ▶ 16:45 Presidential selected oral 1:
Setting-up a biliary niche-on-a-chip for the study of human liver disease-associated ductular reaction
Guo Yin¹, Marlene Sophia Kohlhepp¹, Bianca Franco Leonardi¹, Tian Lan¹, Hanyang Liu¹, Hilmar Berger¹, Natalia Martagón Calderón², Milad Rezvani², Philip Bufler², Frank Tacke², Adrien Guillot¹
1- Charité - Universitätsmedizin Berlin, Department of Hepatology & Gastroenterology, Campus Virchow-Klinikum and Campus Charité Mitte, Berlin, Germany
2- Charité - Universitätsmedizin Berlin, Department of Pediatric Gastroenterology, Nephrology and Metabolic Medicine, Berlin, Germany
- 16:45 ▶ 17:00 Presidential selected oral 2:
Rifaximin ameliorates cirrhotic portal hypertension through suppression of microbiome-derived deoxycholic acid
Hai-Lin Xiong, Ke-Qi Wang, Chang-Peng Zhu, Wei-Fen Xie
1- Department of Gastroenterology, Changzheng Hospital, Naval Medical University, Shanghai, China
2- Department of Gastroenterology, The First Affiliated Hospital, Jiangxi Medical College, Nanchang University, Nanchang, Jiangxi, China

Innovation, collaboration
& discovery

17:00 ▶ 17:15

Presidential selected oral 3:

Dynamic macrophage–stellate cell interactions define fibrosis reversibility and post-svr risk in chronic liver disease

Le Thi Thanh Thuy, Pham Minh Duc, Hoang Hai, Nguyen Thi Ha, Pham Tuan Anh, Norifumi Kawada

1- Department of Global Education and Medical Sciences, Osaka Metropolitan University

2- Department of Hepatology, Graduate School of Medicine, Osaka Metropolitan University

3- Department of Liver Cancer Treatment and Homeostatic Regulation, Graduate School of Medicine, Osaka Metropolitan University, Osaka, Japan

17:15 ▶ 17:45

ISHSR PAST-PRESIDENT LECTURE:

MACROPHAGES AND HEPATOCYTES CROSSTALK IN CLD
NATALIA NIETO (USA)

17:45 ▶ 18:00

Joint discussion

18:05

Departure to welcome reception

18:30

WELCOME RECEPTION @ CASA CANALS

Historic manor house-museum, opened exclusively for our meeting. Perfect occasion to reconnect with colleagues and make new ones.

**Innovation, collaboration
& discovery**

Sunday
24th MAY
2026

THE LIVER
SINUSOID 2026
MEETING 23rd International Symposium
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08:30 ▶ 10:25

**SESSION 1: LIVER ENDOTHELIUM IN HEALTH,
AGING & DISEASE, PART 1**

08:30 ▶ 09:00

INVITED LECTURE

ADVANCES IN LSECS PATHOBIOLOGY: REVERSING
PSEUDOCAPILLARIZATION RESTORES CLEARANCE
OF AMYLOID-BETA AND LDL

LAURIE DE LEVE (USA)

09:00 ▶ 09:20

TUTORIAL LECTURE

VISUALIZING THE LIVER SINUSOID ACROSS SCALES:
SEEING STRUCTURE TO UNDERSTAND FUNCTION

BARTŁOMIEJ ZAPOTOCZNY (POLAND)

09:20 ▶ 09:30

Selected oral 1:

***Liver endothelial *Heg1* signal limits hepatic
steatosis via *Wnt*-mediated fatty acid oxidization
in hepatocytes***

Xiyun Rao, Qianqian Zhao, Min Zheng, Jinbiao Chen,
Geoffrey W McCaughan and Xiangjian Zheng

1- Tianjin Medical University, China

09:30 ▶ 09:40

Selected oral 2:

***Angiopietin 1 protects from sepsis-induced
acute-on chronic liver failure by promoting
endothelial cell-mediated hepatocyte
differentiation***

Samson Mah, Michael Schonfeld, Kruti Nataraj,
Steven A Weinman, Irina Tikhanovich

1- Department of Internal Medicine, and Liver Center, University of Kansas
Medical Center, Kansas City, USA

09:40 ▶ 09:50

Selected oral 3:

***LSEctin delivered to hAPCs by functionalized
nanoparticles ameliorates chronic liver damage
in experimental cirrhosis.***

Oriol Juanola^{1,2,3}, Vicente Candela^{4,5,6}, Esther Caparrós^{1,2,3},
Isabel Gómez-Hurtado^{1,2,3}, Paula Boix^{1,2}, Ani Gasparyan^{1,2},
Albina España^{1,2}, Hong Liang^{1,2}, Ana Blas^{3,7,8,9}, Ramón
Martínez^{4,5,6,10,11}, Rubén Francés^{1,2,3,12}

1- Grupo de Inmunobiología Hepática e Intestinal, Dpto. Medicina Clínica,
Universidad Miguel Hernández, San Juan, Alicante, Spain.

2- IIS ISABIAL, Hospital General Universitario Dr. Balmis, Alicante, Spain.

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- 3- CIBERehd, Instituto de Salud Carlos III, Madrid, Spain.
- 4- Instituto Interuniversitario de Investigación de Reconocimiento Molecular y Desarrollo Tecnológico (IDM), Universitat Politècnica de València, Universitat de València, Spain.
- 5- Unidad Mixta UPV-CIPF de Investigación en Mecanismos de Enfermedades y Nanomedicina, Valencia, Universitat Politècnica de València, Centro de Investigación Príncipe Felipe, València, Spain.
- 6- CIBER de Bioingeniería, Biomateriales y Nanomedicina (CIBER-BBN), Madrid, Spain.
- 7- Fundación para el Fomento de la Investigación Sanitaria y Biomédica en la Comunidad Valenciana (FISABIO).
- 8- Hospital Universitario Doctor Peset, Valencia, Spain
- 9- Departamento de Fisiología, Universitat de València, Valencia, Spain
- 10- Departamento de Química, Universitat Politècnica de València, Spain.
- 11- Unidad Mixta de Investigación en Nanomedicina y Sensores, Universitat Politècnica de València, Instituto de Investigación Sanitaria La Fe (IIS La Fe), Valencia, Spain.
- 12- Instituto IDIBE, Universidad Miguel Hernández, Elche, Spain.

09:50 ► 10:00

Selected oral 4:

Tumor size-dependent endothelial switch restricts CD8+ T cell surveillance in liver cancer

Carlotta Tacconi^{1,2}, Bianca Partini^{1,2}, Pietro Delfino^{1,2}, Chiara Laura^{1,2}, Jessica Fioravanti², Monica Giannotta^{1,2}, Cristian G. Beccaria², Pietro Di Lucia¹, Michele D'Antonio², Xenia Ficht², Claudia De Paulis³, Daniel Taranto³, Gioia Ambrosi^{1,2}, Giulia Nosetto¹, Federico Rossari^{1,4,5}, Valeria Fumagalli^{1,2}, Caitlin Abbott², Davide Marotta^{1,2}, Elisa B. Bono², Leonardo Giustini², Micol Ravà^{1,2}, Chiara Perucchini^{1,2}, Federica Pedica^{1,6}, Tamara Canu⁷, Tommaso Russo⁷, Andrea Raimondi⁷, Domenico Santangelo^{1,8,9}, Pauline Hamon^{10,11,12}, Marco De Giovanni^{1,2}, Natalio Garbi¹³, Francesco De Cobelli^{1,8}, Antonio Esposito^{1,7}, Maurilio Ponzoni^{1,6}, Alessio Cantore^{1,5}, Luigi Naldini^{1,5}, Enrico Lugli¹⁴, Leila Akkari³, Andrea Casadei-Gardini⁴, Miriam Merad^{10,11,15,16}, Luca G. Guidotti^{1,2}, Donato Inverso^{1,2}, Federica Moalli^{1,2}, Matteo Iannacone^{1,2,7}

1- Vita-Salute San Raffaele University, Milan, Italy

2- Division of Immunology, Transplantation, and Infectious Diseases, IRCCS San Raffaele Scientific Institute, Milan, Italy

3- Division of Tumour Biology and Immunology, Onco Institute, The Netherlands Cancer Institute, Amsterdam, the Netherlands

4- Oncology Department, IRCCS San Raffaele Scientific Institute, Milan, Italy

5- San Raffaele Telethon Institute for Gene Therapy (SR-Tiget), IRCCS San Raffaele Scientific Institute, Milan, Italy

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- 6- Pathology Unit, IRCCS San Raffaele Scientific Institute, Milan, Italy.
7- Experimental Imaging Center, IRCCS San Raffaele Scientific Institute, Milan, Italy
8- Radiology Department, IRCCS San Raffaele Scientific Institute, Milan, Italy
9- Department of Advanced Biomedical Sciences, University of Naples "Federico II", Naples, Italy
10- Centre de Recherche des Cordeliers, Inserm U1138, Sorbonne Université, Université Paris Cité, Paris, France
11- Marc and Jennifer Lipschultz Precision Immunology Institute, Icahn School of Medicine at Mount Sinai, New York, NY, US
12- Department of Immunology and Immunotherapy, Icahn School of Medicine at Mount Sinai, New York, NY, USA
13- Institute of Molecular Medicine and Experimental Immunology (IMMEI), University Hospital Bonn, Bonn, Germany
14- IRCCS Humanitas Research Hospital, Rozzano, Italy
15- Department of Oncological Sciences, Icahn School of Medicine at Mount Sinai, New York, NY, USA
16- The Tisch Cancer Institute, Icahn School of Medicine at Mount Sinai, New York, NY, USA

10:00 ▶ 10:10

Selected oral 5:

Wnt7a-Frizzled7, a novel lymphangiogenic signaling pathway driving cholangiocyte proliferation during liver regeneration

Aarti Sharma, Pinky Juneja, Deepika Jakhar, Jayesh Kumar Sevak, Ashwini Vasudewan, Simran Sharma, Impreet Kaur, Viniyendra Pamecha, Dinesh M Tripathi, Archana Rastogi, Shiv K Sarin, Sumeet Pal Singh, Savneet Kaur
1- Institute of Liver and Biliary Sciences, New Delhi, India

10:10 ▶ 10:25

Joint discussion

10:30 ▶ 11:45

COFFEE BREAK & POSTER VIEWING (posters 1-14)

11:50 ▶ 13:05

SESSION 2: LIVER ENDOTHELIUM IN HEALTH, AGING & DISEASE, PART 2

11:50 ▶ 12:20

INVITED LECTURE

TBC

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12:20 ▶ 12:30

Selected oral 6:

Endothelial glycogen synthase kinase 3 β promotes dendritic cells maturation and drives liver inflammation and fibrosis in Metabolic Dysfunction-Associated Steatohepatitis

Akitoshi Sano, Qianqian Guo, Khaled Warasnhe, Nantawat Sathawiwat, Xin Dai, Petra Hirsova, Davide Povero, Samar Ibrahim

1- Mayo Clinic, Rochester, MN, USA

12:30 ▶ 12:40

Selected oral 7:

Reversing liver aging through degradation-tuned senolytic nanoparticles

Vitor Francisco^{1,2,7}, Andreia Marques^{1,2,3}, David Sanfeliu-Redondo⁴, Inês Tomé^{1,2,5}, Susana Rosa^{1,2}, João Pitrez^{1,2}, Peio Aristu-Zabalza⁴, Mauro Henriques^{1,2}, Paulo Rodrigues-Santos^{1,2,3}, Jordi Gracia-Sancho^{4,6}, Lino Ferreira^{1,2,3,7}

1- Center for Neuroscience and Cell Biology, University of Coimbra, Coimbra, Portugal

2- Centre for Innovative Biomedicine and Biotechnology (CiBB), University of Coimbra

3- Faculty of Medicine, University of Coimbra, Coimbra, Portugal

4- Liver Vascular Biology Research Group, IDIBAPS Biomedical Research Institute & CIBEREHD, Barcelona, Spain

5- Faculty of Pharmacy, University of Coimbra, Coimbra, Portugal

6- Liver Research Unit, IRBCatSud Institute, Tarragona, Spain

7- Colab4Ageing, Coimbra, Portugal

12:40 ▶ 12:50

Selected oral 8:

Liver sinusoidal endothelial cells: gatekeepers in systemic immune regulation and diseases

Latha. P. Ganesan¹, Murugesan Rajaram², Edward Harris³

1- Department of Internal Medicine

2- Department of Microbial Infection and Immunity, The Ohio State University, Columbus, OH, USA

3- Department of Biochemistry, University of Nebraska, Lincoln, NE, USA

12:50 ▶ 13:05

Joint discussion

13:10 ▶ 14:40

LUNCH & POSTER VIEWING (posters 15-28)

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14:45 ▶ 16:20

**SESSION 3: SINUSOIDAL CELL INFLAMMATION
& IMMUNE RESPONSE, PART 1**

14:45 ▶ 15:15

INVITED LECTURE

HEPATIC STELLATE CELL ORCHESTRATION OF T CELLS
IN CHRONIC LIVER DISEASE

LAURA PALLET (UK)

15:15 ▶ 15:35

TUTORIAL LECTURE

IMMUNE CELLS CHARACTERIZATION

ADRIEN GUILLOT (GERMANY)

15:35 ▶ 15:45

Selected oral 9:

***OLR1+ scar-associated macrophages as a
potential therapeutic target for the treatment
of chronic liver disease***

Fabio Colella ¹, Kexin Kong ¹, Eleni Papachristoforou ¹,
Jacky Tam ¹, Juliet Luft ¹, Elena F. Sutherland ¹, Stefan
Veizades ^{1,2}, Malgorzata Grzelka ¹, Pak Kwan Qiu ¹, Ayma
Asif ¹, Ines Battle ¹, Max Hammer ¹, John R.

Wilson-Kanamori ¹, George Finney ³, Ginerva Pistocchi ³,
Alvile Kasarinaite ⁴, Gareth-Rhys Jones ¹, Calum C. Bain ¹,
Laura J. Pallett ³, Catalina A. Vallejos ^{5,6}, Neil C. Henderson
^{1,7}, David C. Hay ⁴, Timothy J Kendall ^{1,8}, Jonathan A
Fallowfield ¹, Prakash Ramachandran ¹

1- Centre for Inflammation Research, Institute for Regeneration and
Repair, University of Edinburgh, Edinburgh, United Kingdom

2- Centre for Cardiovascular Science, University of Edinburgh, UK

3- Division of Infection and Immunity, Institute of Immunity and
Transplantation, University College London, London, United Kingdom

4- Centre for Regenerative Medicine, Institute for Regeneration and
Repair, University of Edinburgh, Edinburgh, United Kingdom

15:45 ▶ 15:55

Selected oral 10:

***Lysosomal proteolytic imbalance drives
autophagy dysregulation influencing liver
macrophage phenotype during MASH***

Júlia Cacho-Pujol^{1,2,3}, Paloma Ruiz-Blázquez^{1,2,3,4}, María
Fernández-Fernández^{1,2,3,4}, Alejandro del Castillo-Cruz^{1,2,3},
Lucia Calderón-Robles¹, Anna Moles^{1,2,4}

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1- Instituto de Investigaciones Biomédicas de Barcelona (IIBB-CSIC),
Barcelona, Spain

2- IDIBAPS, Barcelona, Spain

3- Universidad de Barcelona, Barcelona, Spain

4- CiberEHD, Madrid, Spain

15:55 ▶ 16:05

Selected oral 11:

**Alcohol-induced glycosylation increases
neutrophil myeloperoxidase function
in alcohol-associated hepatitis**

Marti Ortega-Ribera¹, Lauren E. Pepi², Prashanth Thevkar
Nagesh¹, Siddharth Ghosh Roy¹, Richard D. Cummings²,
AlcHepNet Investigators, Gyongyi Szabo^{1,3}

1- Department of Medicine, Division of Gastroenterology, Beth Israel
Deaconess Medical Center, Harvard Medical School, Boston, MA, USA

2- Department of Surgery, Beth Israel Deaconess Medical Center,
Harvard Medical School, Boston, MA, USA

3- Broad Institute, Cambridge, MA, USA

16:05 ▶ 16:20

Joint discussion

16:25 ▶ 17:00

COFFEE BREAK

17:05 ▶ 18:40

**SESSION 4: SINUSOIDAL CELL INFLAMMATION
& IMMUNE RESPONSE, PART 2**

17:05 ▶ 17:35

INVITED LECTURE:

MNPS IN LIVER DISEASES

CHARLOTTE SCOTT (BELGIUM)

17:35 ▶ 17:45

Selected oral 12:

**The arginine methyltransferase CARM1 as a novel
potential therapeutic target in Hepatocellular
Carcinoma**

Elena Adán-Villaescusa¹, Jasmin Elurbide^{1,2}, Amaya
López-Pascual^{1,3}, Borja Castelló-Urbe¹, Maialen
Lizasoain-Echeverz¹, Iker Uriarte^{1,2}, Maria Ujue
Latasa¹, Emiliana Valbuena- Goiricelaya¹, Miriam
Belzunce¹, Roberto Barbero^{1,2}, Bruno Sangro^{2,3,4}, Maria
Arechederra^{1,2,3}, Carmen Berasain^{1,2}, Mark T Bedford⁵,
Veronica Gibaja⁶, Matias A Avila^{1,2,3}, Maite G.
Fernández-Barrena^{1,2,3}

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- 1- Hepatology Laboratory, Solid Tumors Program, CIMA, CCUN, University of Navarra, Pamplona, Spain.
- 2- CIBERehd, Instituto de Salud Carlos III, Madrid, Spain
- 3- Instituto de Investigaciones Sanitarias de Navarra IdiSNA, Pamplona, Spain.
- 4- Hepatology Unit, CCUN, Navarra University Clinic, Pamplona, Spain.
- 5- Department of Epigenetics and Molecular Carcinogenesis, The University of Texas MD Anderson Cancer Center, Houston, TX, USA.
- 6- Ipsen Biopharmaceuticals, EPIZYME, Cambridge, Massachusetts, USA.

17:45 ▶ 17:55

Selected oral 13:

Cell-specific roles of SUCNR1 in shaping sinusoidal immunity and inflammation in MASLD-related hepatocellular carcinoma

Laura Salmerón-Pelado^{1, 2, 3}, Victòria Ceperuelo-Mallafré^{1, 2, 3}, Anna Marsal-Beltran^{1, 2, 3}, M-Mar Rodríguez-Peña^{1, 2}, Esther Bertran^{4, 5}, Isabel Fabregat^{4, 5}, María Fernández-Fernández^{5, 6, 7, 8}, Ana Moles^{5, 6, 7, 8}, Joan Vendrell^{1, 2, 3}, Sonia Fernández-Veledo^{1, 2, 3}

- 1- DIAMET Research Unit. University Hospital of Tarragona Joan XXIII, Pere Virgili Health Research Institute (IISPV), Tarragona, Spain.
- 2- CIBER de Diabetes y Enfermedades Metabólicas Asociadas (CIBERDEM) - Instituto de Salud Carlos III, Madrid, Spain.
- 3- Rovira i Virgili University, Tarragona, Spain.
- 4- TGF- β and Cancer Group, Oncobell Program, Bellvitge Biomedical Research Institute, L'Hospitalet de Llobregat, Barcelona, Spain
- 5- CIBER de Enfermedades Hepáticas y Digestivas (CIBEREHD) - Instituto de Salud Carlos III, Madrid, Spain
- 6- Institute of Biomedical Research of Barcelona, Spanish National Research Council, Barcelona, Spain.
- 7- University of Barcelona, Barcelona, Spain.
- 8- IDIBAPS, Barcelona, Spain.

17:55 ▶ 18:05

Selected oral 14:

CXCR3+ monocyte-derived macrophages drive congestive portal hypertension via glycolysis-dependent thromboxane A2 synthesis: an integrated multi-omics and mechanistic study

Papawee Sutthirat¹, Sofia Jerez Ortega¹, Nidhi Jalan Sakrikar¹, Vijay H. Shah¹, Moira B. Hilscher¹

- 1- Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester MN, USA

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18:05 ▶ 18:25

TUTORIAL LECTURE

IMMUNOMETABOLISM IN MASLD: FROM SPATIAL
OMICS TO HUMAN MODELS

OLIVIER GOVAERE (BELGIUM)

18:25 ▶ 18:40

Joint discussion

FREE EVENING FOR ATTENDEES

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08:30 ▶ 10:30

**SESSION 5: STELLATE CELL BIOLOGY
AND FIBROSIS, PART 1**

08:30 ▶ 09:00

INVITED LECTURE
ADVANCES IN HSCS PATHOBIOLOGY
ROBERT F SCHWABE (USA)

09:00 ▶ 09:20

TUTORIAL LECTURE
STUDY OF THE ECM IN LIVER DISEASES
ERIC FELLI (SWITZERLAND)

09:20 ▶ 09:30

Selected oral 15:
**Role for Endokyne-1 in LSEC-HSC communication
and its association with advanced chronic liver
disease**

Ana Martínez-Alcocer^{1,2}, Alejandro Hionides-Gutiérrez^{2,3},
Laia Abad-Jordà^{1,2}, Peio Aristu-Zabalza¹, María
Andrés-Rozas¹, Adrien Guillot⁴, Frank Tacke⁴, Francisco
Javier Cubero^{2,3}, Jordi Gracia-Sancho^{1,2,5,6*}, Anabel
Fernández-Iglesias^{1,2,6*}

1- Liver Vascular Biology Research Group, Institut d'Investigacions
Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain.

2- Centro de Investigación Biomédica en Red de Enfermedades
Hepáticas y Digestivas (CIBEREHD), Madrid, Spain.

3- Department of Immunology, Ophthalmology and ENT,
Complutense University School of Medicine, Madrid, Spain.

4- Charité-Universitätsmedizin Berlin, Department of Hepatology &
Gastroenterology, Berlin, Germany.

5- Department of Visceral Surgery and Medicine, Inselspital, Bern
University Hospital, University of Bern, Bern, Switzerland.

6- Liver Research Unit, IRBCatSud Institute, Tarragona, Spain

09:30 ▶ 09:40

Selected oral 16:
**Tumor Promoting CYP1B1+Lrat+Fbln2+ hepatic
stellate cells in HCC**

Hye Yeon Choi, Yoann L Daniel, Sonal Sinha, Alexander
Rialdi, Stephanie Pan, Yixin Bai, Qihong Yang, Ernesto
Guccione, and Hidekazu Tsukamoto

1- University of Southern California

2- Icahn School of Medicine at Mount Sinai

3- Department of Veterans Affairs, Greater Los Angeles Healthcare
System, USA

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09:40 ▶ 09:50

Selected oral 17:

Beta-arrestin-2-mediated hepatocyte-HSC interaction promotes HSC activation and fibrogenesis

Robert Schierwagen¹, Peter Dietrich², Sabine Klein¹, Frank Erhard Uschner¹, Richard Premont³, Johanne Poisson⁴, Pierre-Emmanuel Rautou⁴, Glen Kristiansen⁵, Jordi Gracia-Sancho⁶, Marko Poglitsch⁷, Christian Kurts⁸, Thomas Walther⁹, Zeinab Abdullah⁸, Mercedes Fernandez¹⁰, Richard Moreau^{11, 12}, Krista Rombouts¹³, Wolfgang Kastenmüller¹⁴, Anna Mae Diehl^{3, 15}, David Brenner¹⁵, Jonel Trebicka^{1, 12}

1- University of Muenster, Department of Internal Medicine B, Muenster, Germany

2- Friedrich-Alexander- University Erlangen-Nürnberg, Institute of Biochemistry, Friedrich-Alexander-University Erlangen- Nürnberg, University Hospital Erlangen, Department of Medicine 1, Erlangen, Germany

3- Duke University, Department of Medicine, Division of Gastroenterology, Durham, United States

4- Paris Descartes University, Paris Cardiovascular Research Center, Paris, France

5- University of Bonn, Institute of Pathology, Bonn, Germany,

6- Liver Research Unit, IRBCatSud Institute, CIBEREHD, Tarragona, Spain

7- Attoquant Diagnostics GmbH, Vienna, Austria

8- University of Bonn, Institute of Molecular Medicine and Experimental Immunology, Bonn, Germany

9- University College Cork, Department of Pharmacology and Therapeutics, Cork, Ireland

10- IDIBAPS Biomedical Research Institute, Barcelona, Spain

11- Université Paris Diderot-Paris 7, Centre de Recherche sur l'Inflammation (CRI), Paris, France

12- European Foundation for the Study of Chronic Liver Failure - EF Clif, Barcelona, Spain

13- University College London, Institute for Liver and Digestive Health, London, United Kingdom

14- University Würzburg, Würzburg Institute of Systems Immunology, Max-Planck Research Group, Wuerzburg, Germany

15- University of California San Diego School of Medicine, Department of Medicine, Sanford Burnham Prebys Medical Discovery Institute, La Jolla, USA

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09:50 ▶ 10:10

INVITED LECTURE

HSCS METABOLIC REPROGRAMMING IN CLD
RUBÉN NOGUEIRAS (SPAIN)

10:10 ▶ 10:25

Joint discussion

10:30 ▶ 11:55

COFFEE BREAK & POSTER VIEWING (posters 29-42)

12:00 ▶ 13:20

**SESSION 6: STELLATE CELL BIOLOGY
AND FIBROSIS, PART 2**

12:00 ▶ 12:30

INVITED LECTURE

CANCER ASSOCIATED FIBROBLASTS IN CCA
SILVIA AFFO (SPAIN)

12:30 ▶ 12:40

Selected oral 18:

***Role of myeloid cell-derived MAP3K8 in preclinical
ALD and MetALD***

Alejandro H. Gutierrez^{1,2}, Sara García-Fernández^{1,2}, Javier Vaquero^{3,4,5}, Rafael Bañares^{3,4,5}, Rocío Gallego-Durán^{3,8}, Anabel Fernández-Iglesias^{3,6}, Jordi Gracia-Sancho^{3,6,7}, Douglas Maya-Miles^{3,8}, Javier Ampuero^{3,8}, Manuel Romero-Gómez^{3,8}, Bruno Ramos-Molina⁹, Yulia A. Nevzorova^{1,2,3,4}, Carlos Sanz García¹, Francisco Javier Cubero^{1,2,3,4}

1- Department of Immunology, Ophthalmology & ORL, Complutense University of Madrid, Madrid, Spain

2- Institute for Research in Neurochemistry (IUIN), Complutense University of Madrid, Madrid, Spain

3- Centre for Biomedical Research, Network on Liver and Digestive Diseases (CIBEREHD), Madrid, Spain

4- Servicio de Aparato Digestivo, Hospital General Universitario Gregorio Marañón, Madrid, Spain

5- Health Research Institute Gregorio Marañón (IISGM), Madrid, Spain

6- Liver Research Unit, IRBCatSud Institute, Tarragona, Spain

7- Hepatology, Department of Biomedical Research, University of Bern, Bern, Switzerland.

8- Instituto de Biomedicina de Sevilla, IBiS/Hospital Universitario Virgen del Rocío/CSIC/Universidad de Sevilla, Sevilla, Spain

9- Laboratorio de Obesidad y Metabolismo, Instituto de Investigación Biomédica de Murcia (IMIB-Arrixaca), Murcia, Spain

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- 12:40 ▶ 12:50 Selected oral 19:
The non-transcriptional activity of IRF3 induces profibrotic cytoplasmic stress granules
Jared Travers, Yingting Zhang, Emily Huang, Megan R. McMullen, and Laura E Nagy
1- Department of Inflammation and Immunity, Cleveland Clinic Research, Cleveland Clinic, Cleveland, OH, USA
- 12:50 ▶ 13:10 **INVITED LECTURE**
NOVEL APPROACHES TO TARGET LIVER FIBROSIS
NORIFUMI KAWADA (JAPAN)
- 13:10 ▶ 13:25 Joint discussion
- 13:30 ▶ 15:15 **LUNCH & POSTER VIEWING (posters 43-56)**
- 15:30 **DEPARTURE TO SOCIAL ACTIVITIES**
Small-group guided tours led by professional historians to explore the UNESCO World Heritage site of ancient Tarraco (90 min). Comfortable shoes recommended!
- 20:00 **GALA DINNER @ CASA JOAN MIRET**
Enjoy a Mediterranean dinner in a bourgeois garden house from the 19th century, while honoring five decades of discovery and the global community that made it possible.

Tuesday
26th MAY
2026

THE LIVER
SINUSOID 20
MEETING 26
23rd International Symposium
50th anniversary of ISHSR

09:00 ▶ 11:00

SESSION 7: SINUSOIDAL CELL CROSSTALK WITH OTHER CELLS AND ORGANS

09:00 ▶ 09:30

INVITED LECTURE

COGNITIVE IMPAIRMENT IN EARLY-STAGE CHRONIC LIVER DISEASE: THE ROLE OF THE LIVER-BRAIN AXIS
ANNA HADJIHAMBI (UK)

09:30 ▶ 09:40

Selected oral 20:

Platelet-derived factors enhance hepatic endothelial fenestration and reduce early metabolic liver diseases

Maxime Borret^{1*}, Marie Bellio^{1*}, Alicia Vauclard¹, Mathilde Miquel¹, Claire Congnet¹, Arnaud Polizzi², Gaëtan Chicanne¹, Emma Lefrancais³, Elodie Riant¹, Isabelle Fourquaux⁴, Anne Abot⁵, Claude Knau⁶, Laetitia Pieruccioni⁷, Mathieu Vigneau⁷, François Briand⁸, Thierry Sulpice⁸, Laurence Gamet-Payrastra², Philippe Valet⁷, Hervé Guillou², Jean-Philippe Pradère⁷, Bernard Payrastra^{1,9}, Sonia Severin¹

1- Institut des Maladies Métaboliques et Cardiovasculaires, Inserm U1297, Université de Toulouse, Université Toulouse III - Paul Sabatier, Toulouse, France

2- Toxalim (Research Centre in Food Toxicology), INRAE, ENVT, INP-Purpan, Université de Toulouse, Université Toulouse III - Paul Sabatier, Toulouse, France

3- Institut de Pharmacologie et de Biologie Structurale, CNRS U5089, Université de Toulouse, Université Toulouse III - Paul Sabatier, Toulouse, France

4- Centre de Microscopie Electronique Appliquée à la Biologie, Université de Toulouse, Université de Toulouse, Université Toulouse III - Paul Sabatier, Faculté de Médecine Rangueil, Toulouse, France

5- Enterosys SAS, Labège, France

6- Institut de Recherche en Santé Digestive, Inserm U1220, Université de Toulouse, Université Toulouse III - Paul Sabatier, Toulouse, France

7- RESTORE, Inserm U1301, CNRS 5070, Université de Toulouse, Université Toulouse III - Paul Sabatier, EFS, ENVT, Toulouse, France

8- Physiogenex SAS, Escalquens, France

9- Laboratoire Hématologie, Centre Hospitalier Universitaire Rangueil, Toulouse, France ; * equal contribution

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09:40 ▶ 09:50

Selected oral 21:

Multi-omic mapping of endothelial plasticity reveals fibrosis-associated endothelial cell subpopulations involved in chronic liver disease.

Gkantsinikoudi C¹, Dignam J¹, Kumar R², Jokl E³, Kendall TJ⁴, Li W², Samus M¹, Rot A¹, Fallowfield JA⁴, Piper Hanley K³, Alazawi W², and Dufton N¹

1- William Harvey Research Institute

2- Blizard Institute, Queen Mary University London

3- University of Manchester

4- Centre for Inflammation Research, Institute for Regeneration and repair, University of Edinburgh, UK

09:50 ▶ 10:00

Selected oral 22:

Efficacy of a liver targeting oral quantum dot formulation of human growth hormone.

Glen Lockwood, Harrison Ross, Keanu Harris, Sophie Kang, Meng Ngu, David Le Couteur, Nicholas Hunt and Victoria Cogger

1- ANZAC Research Institute, Centre for Education and Research on Aging, Sydney Local Health District and Faculty of Medicine and Health, The University of Sydney, Australia

10:00 ▶ 10:10

Selected oral 23:

High-Shear Driven PIEZO1-Rho/ROCK signalling impairs sinusoidal endothelial integrity and contributes to acute portal hypertension.

Rajni Yadav¹, Vaibhav Tiwari¹, Himanshi¹, Aishwarya Bhatnagar¹, Akash Kumar Mourya², Savneet Kaur¹, Raj Kumar Tulsawani³, Umesh Chand Singh Yadav⁴, Prem Prakash⁵, Shiv Kumar Sarin^{1,6}, Dinesh Mani Tripathi¹

1- Institute of Liver and Biliary Sciences, Delhi

2- National Institute of Pharmaceutical Education and Research (NIPER), Mohali

3- Defence Institute of Physiology & Allied Sciences (DIPAS), DRDO, Delhi

4- Jawahar Lal Nehru University, JNU, New Delhi

5- Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi, Delhi

6- Department of Hepatology, ILBS, Delhi, India

Tuesday
26th MAY
2026

THE LIVER
SINUSOID 20
MEETING 26
23rd International Symposium
50th anniversary of ISHSR

- 10:00 ▶ 10:30 **PRESIDENT-ELECT KEYNOTE LECTURE:**
KENICHI IKEJIMA
(JUNTENDO UNIVERSITY, TOKYO)
- 10:40 ▶ 10:55 Joint discussion
- 11:00 ▶ 12:15 **COFFEE BREAK & POSTER VIEWING** (posters 57-70)
- 12:20 ▶ 13:30 **INTERNATIONAL CONSENSUS ON THE USE OF PCLS
FOR TRANSLATIONAL LIVER RESEARCH**
- PRECISION CUT LIVER SLICES IN LIVER RESEARCH:
CURRENT PRACTICE AND APPLICATIONS.
PETER OLINGA (THE NETHERLANDS)
- ESTABLISHING STANDARDS: THE PCLS CONSENSUS
INITIATIVE
JELENA MANN (UK)
- ADVANCING THE FIELD: KEY FINDINGS AND FUTURE
DIRECTIONS IN PCLS RESEARCH.
ELENA PALMA (UK)
- 13:30 ▶ 13:45 **AWARDS AND CLOSE**
- 14:00 ▶ 15:30 **FAREWELL LUNCH**
- 16:00 **BUS DEPARTURE TO BARCELONA**

Abstracts selected
FOR E-POSTER
PRESENTATION

POSTERS 1-14 [MAY 24TH: 10:30 ▶ 11:45]

<p>P 1</p>	<p>Porto-sinusoidal vascular disease: developing a murine model to improve understanding of its pathophysiology Lise Bertin, Pierre-Emmanuel Rautou <i>Equipe Rautou, CRI, INSERM U1149, faculté de médecine site Bichat, Paris, France</i></p>
<p>P 2</p>	<p>Epithelial STING signaling mediates neutrophil infiltration in cholestatic liver disease Abid Anwar, Maleeha Kalaiger, Sofia Jerez Ortega, Usman Yaqoob, Zhensheng Zhang, Purnima Tyagi, Mobin Mokbul, Ice Sutthirat, Moira Hilscher, Robert C. Huebert, Nidhi Jalan-Sakrikar <i>Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, USA</i></p>
<p>P 3</p>	<p>Comparing the intrahepatic effects of carvedilol and simvastatin in experimental liver cirrhosis Yeldos Nulan^{1,2,3}, Eric Felli^{2,3}, Cong Wang^{2,3}, Sonia Emilia Selicean^{2,3}, Manuel Prampolini^{1,2,3}, Annalisa Berzigotti^{2,3}, Jordi Gracia-Sancho^{2,3,4}, Jaime Bosch^{2,3} <i>1- Graduate School for Cellular and Biomedical Sciences (GCB), University of Bern, Bern, Switzerland, 2- Department of Visceral Surgery and Medicine, Inselspital, Bern University Hospital, University of Bern, Bern, Switzerland. 3- Department for BioMedical Research, Hepatology, University of Bern, Bern, Switzerland. 4- Liver Research Unit, IRBCatSud Research Institute, CIBEREHD, Tarragona, Spain</i></p>
<p>P 4</p>	<p>Reprogramming the sinusoidal niche: endothelial-derived angiocrine signals as master regulators of stellate cell activation Abdulla Al Mamun <i>Department of Biotechnology, Bharathiar University, Coimbatore, India</i></p>

Abstracts selected FOR E-POSTER PRESENTATION

<p>P 5</p>	<p>Pressure-induced endothelial fibulin-7 modulates HSC phenotype and lowers portal pressure in experimental cirrhosis Raül Pastó¹, Albert Gibert-Ramos¹, Peio Aristu-Zabalza^{1,2}, Anabel Fernández-Iglesias¹, Sergi Guixé-Muntet¹, Jordi Gracia-Sancho^{1,3} <i>1- Liver Vascular Biology Lab, IDIBAPS - Hospital Clínic Barcelona - CIBEREHD, Barcelona, Spain</i> <i>2- Barcelona Liver Bioservices SL, Barcelona, Spain</i> <i>3- Liver Research Unit, IRBCatSud Research Institute, CIBEREHD, Tarragona, Spain</i></p>
<p>P 6</p>	<p>Redox homeostasis in liver fibrosis: the Keap1/Nrf2 axis Adriana De Bonis^{1,2}, Alejandro Hionides-Gutierrez^{1,2}, Sara García-Fernández^{1,2}, Iván Estévez-Benito¹, Francisco Javier Cubero^{1,2,3,4}, Magdalena Leiva^{1,2,3} <i>1- Department of Immunology, Ophthalmology & ENT, Complutense University School of Medicine, Madrid, Spain</i> <i>2- Instituto Universitario de Neuroquímica (IUIN), Complutense University School of Medicine, Madrid, Spain</i> <i>3- Instituto de Investigación Sanitaria Gregorio Marañón (IISGM), Madrid, Spain</i> <i>4- Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas (CIBEREHD), Madrid, Spain</i></p>
<p>P 7</p>	<p>Microfluidic human liver slices reveal antifibrotic effects of liraglutide via HSC deactivation and ECM remodeling María Andrés-Rozas^{1,2,3}, Peio Aristu-Zabalza^{1,2,3}, Gabriela Chullo⁴, Guofeng Liu¹, Yiliam Fundora⁴, Rosa Villa^{5,6}, Anabel Fernández-Iglesias^{1,7}, Sergi Guixé-Muntet^{1,7}, Jordi Gracia-Sancho^{1,2,7,8} <i>1- Liver Vascular Biology Research Group, IDIBAPS, Barcelona, Spain</i> <i>2- Barcelona Liver Bioservices, Barcelona, Spain</i> <i>3- Facultat de Medicina i Ciències de la Salut, Universitat de Barcelona (UB)</i> <i>4- Liver Transplant Unit, General Surgery Department, Hospital Clínic de Barcelona, Barcelona, Spain</i> <i>5- Instituto de Microelectrónica de Barcelona, IMB-CNM (CSIC), Campus UAB, Bellaterra, Spain</i> <i>6- Centro de Investigación Biomédica en Red de Bioingeniería, Biomateriales y Nanomedicina (CIBERBBN), Instituto de Salud Carlos III, Spain</i> <i>7- Centro de Investigación Biomédica en Red en Enfermedades Hepáticas y Digestivas (CIBEREHD), Instituto de Salud Carlos III, Madrid, Spain.</i> <i>8- Liver Research Unit, IRBCatSud Research Institute, Tarragona, Spain</i></p>

Abstracts selected
FOR E-POSTER
PRESENTATION

<p>P 8</p>	<p>Knockout of miR-92a and LNA-miR-92a treatments are promising therapies against MASLD progression and portal Hypertension Philipp Stephan Althaus ¹, Sara Zarei ¹, Stefanie Dimmeler ², Jonel Trebicka ^{1,3}, Sabine Klein ¹ <i>1- University Hospital Münster, Internal Medicine B, Germany</i> <i>2- Goethe-University Frankfurt a.M. Institute of Cardiovascular Regeneration, Germany</i> <i>3- European Foundation for the Study of Chronic Liver Failure-EF Clif, Spain</i></p>
<p>P 9</p>	<p>Constitutive MAS1 G protein-coupled receptor participates in the pathogenesis of liver fibrosis Philipp Stephan Althaus¹, Fernando Magdaleno², Robert Schierwagen¹, Frank Erhard Uschner¹, Maximilian Joseph Brol¹, Thomas Walther³, Jonel Trebicka^{1,4}, Sabine Klein¹ <i>1- Department of Internal Medicine B, University Clinic Münster, Münster, Germany</i> <i>2- Epistem Limited, 48 Grafton Street, Manchester, UK</i> <i>3- Department of Pharmacology and Therapeutics, University College Cork, Cork, Ireland</i> <i>4- European Foundation for the Study of Chronic Liver Failure, Barcelona, Spain</i></p>
<p>P 10</p>	<p>Lipidomic analysis reveals mechanisms of lipid regulation by the retinoic acid pathway via the retinoic acid receptor beta Marta Melis¹, Qiuying Chen¹, Xiao-Han Tang¹, Lihui Qin², Lorraine J Gudas¹ <i>1- Department of Pharmacology, Weill Cornell Medicine, New York, NY</i> <i>2- Department of Pathology, New York Presbyterian Hospital, Weill Cornell Medicine, New York, NY, USA</i></p>
<p>P 11</p>	<p>RNA-based CRISPR/Cas9 - mediated genetic modification of the copper transporter ATP7B in Wilson Disease Moritz Marciniak ¹, Andree Zibert ¹, Oksana Nadzemova ¹, Hartmut HJ Schmidt ², Phil-Robin Tepasse ¹, Jonel Trebicka¹, Vanessa Sandfort ¹ <i>1- University Clinic Münster, Germany</i> <i>2- University Clinic Essen, Germany</i></p>

Abstracts selected
FOR E-POSTER
PRESENTATION

<p>P 12</p>	<p>Hepatic stellate cell-associated microRNAs as potential predictors for fibrosis staging in chronic liver disease Alejandro del Castillo-Cruz ^{1,2,3}, Julia Cacho-Pujol ^{1,2,3}, Lucia Calderón-Robles ¹, Núria Benitez-Paredes ¹, Paloma Ruiz-Blázquez ^{1,2,3,4}, María Fernández-Fernández ^{1,2,3,4}, Anna Moles ^{1,2,4} <i>1- Instituto de Investigaciones Biomédicas de Barcelona (IIBB-CSIC), Barcelona, Spain</i> <i>2- IDIBAPS, Barcelona, Spain</i> <i>3- UB, Barcelona, Spain</i> <i>4- CiberEHD, Madrid, Spain</i></p>
<p>P 13</p>	<p>Biophysical and biochemical differences between human and rodent Stabilin-1 and Stabilin-2 Edward N Harris, Abby E. Bopp, Linda B. Fatumoju <i>University of Nebraska, USA</i></p>
<p>P 14</p>	<p>Endothelial forkhead box O1 (FoxO1) signalling in acute decompensation and acute-on-chronic liver failure: evidence from in vivo models and in vitro exposure to patient plasma Fabian Schachteli ¹, Sabine Klein ^{1,2}, Maximilian Joseph Brol ^{1,2}, Robert Schierwagen ^{1,2}, Pia Lembeck ¹, Sara Noemi Reinartz Groba ¹, Wenyi Gu ^{1,2}, Christoph Welsch ², Jonel Trebicka ^{1,2,3}, Frank Erhard Uschner ^{1,2} <i>1- University Hospital Münster, Münster, Germany</i> <i>2- Hospital of the Goethe University Frankfurt, Frankfurt am Main, Germany</i> <i>3- European Foundation for the Study of Chronic Liver Failure, Barcelona, Spain</i></p>

Abstracts selected
FOR E-POSTER
PRESENTATION

POSTERS 15-28 [MAY 24TH: 13:10 ▶ 14:40]

<p>P 15</p>	<p>LSEC targeted oral nanotherapeutics for prevention of type 1 diabetes in NOD mice Nicholas Hunt, Jarrod Kennedy, David Le Couteur, Victoria Cogger <i>The University of Sydney and the ANZAC Research Institute, NSW Health, Sydney, Australia</i></p>
<p>P 16</p>	<p>RORA agonism reprograms cancer-associated-fibroblasts and remodels the tumor microenvironment in intrahepatic cholangiocarcinoma. Sererols Viñas L.¹, Cantallops Vilà P.¹, Garcia-Vicién G.¹, Cárcamo Giráldez C.¹, Zanoni M.², Paes V.G.³, Zampato C.¹, Martínez-García de la Torre R. A.⁴, Lapitz A.^{5,6}, Val B.⁵, Rodrigues P. M.^{5,6,7}, Forner A.⁸, Bañales J. M.^{5,6,7,9}, Sancho-Bru P.^{6,10}, Affò S.¹ <i>1- Tumor Microenvironment Plasticity and Heterogeneity Research Group, Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain</i> <i>2- Biosciences Laboratory, IRCCS Istituto Romagnolo Per Lo Studio Dei Tumori (IRST) "Dino Amadori", Meldola, Italy</i> <i>3- Molecular Oncology Research Center, Barretos Cancer Hospital, Barretos, Brazil</i> <i>4- Centre for Gene Therapy and Regenerative Medicine, King's College London, Great Maze Pond, London SE1 9RT, UK</i> <i>5- Department of Liver and Gastrointestinal Diseases, Biogipuzkoa Health Research Institute - Donostia University Hospital, University of the Basque Country (UPV/EHU), Ciberehd, San Sebastian, Spain</i> <i>6- Centro de investigación biomédica en red de Enfermedades hepáticas y digestivas (CIBEREHD), Instituto de Salud Carlos III, Madrid, Spain</i> <i>7- IKERBASQUE, Basque Foundation for Science, Bilbao, Spain</i> <i>8- Barcelona clinic liver cancer (BCLC) group, Liver Unit, Hospital Clínic Barcelona, IDIBAPS, University of Barcelona, Barcelona, Spain</i> <i>9- Department of Biochemistry and Genetics, School of Sciences, University of Navarra, Pamplona, Spain</i> <i>10- Liver cell plasticity and tissue repair Research Group, Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain</i></p>

Abstracts selected
FOR E-POSTER
PRESENTATION

<p>P 17</p>	<p>Fibrosis reduction without portal hypertension improvement: Steatosis-induced sinusoidal compression in advanced MASLD treated with Atorvastatin/Ambrisentan M Serra Cusidó^{1,2}, Imma Raurell^{1,2,3,4}, María Martínez-Gómez^{1,2,4}, Eduard Mas-Carrió^{1,3}, Juan M. Pericàs^{1,2,3,4}, María Martell¹, Joan Genescà^{1,2,3,4} 1- Liver Disease Group, Vall d'Hebron Research Institute, Barcelona 2- Universitat Autònoma de Barcelona 3- Liver Unit, Area of Digestive Diseases, Hospital Universitari Vall d'Hebron, Barcelona 4- Spanish Network of Biomedical Research Centers, Liver and Digestive Diseases (CIBEREHD), Spain</p>
<p>P 18</p>	<p>Portal microbial translocation and hepatic pattern recognition receptor expression in steatotic liver disease Akira Uchiyama, Kazuyoshi Kon, Shunhei Yamashina, Kenichi Ikejima Department of Gastroenterology, Juntendo University School of Medicine, Tokyo, Japan</p>
<p>P 19</p>	<p>Oxidized LDL is a distinctive biomarker of MASH independently of liver fibrosis in patients with MASLD Carola Zurita-Palomo^{1,2}, Rocío Gallego-Durán^{1,2}, Helena Pastor-Ramírez^{1,2}, Paloma Carrillo¹, Douglas Maya-Miles^{1,2}, Rocío Muñoz^{1,2}, María Teresa Arias-Loste³, Águeda González-Rodríguez⁴, M^a Carmen Rico^{1,2}, Sheila Gato^{1,2}, Ángela Rojas^{1,2}, Antonio Gil-Gómez^{1,2}, Javier Crespo³, Jesús Bañales⁵, Carmelo García Monzón⁴, Manuel Romero-Gómez^{1,2}, Javier Ampuero^{1,2} 1- Hospital Universitario Virgen del Rocío, Sevilla. Instituto de Biomedicina De Sevilla (IBiS). Universidad de Sevilla. Spain 2- Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas (CIBEREHD), Spain 3- Hospital Universitario Marqués de Valdecilla, Santander, Spain 4- Hospital Universitario Santa Cristina, Madrid. Spain 5- Biodonostia Research Institute, San Sebastián, Spain</p>

Abstracts selected FOR E-POSTER PRESENTATION

<p>P 20</p>	<p>Effect of statins on extracellular vesicles (EVs) in metabolic dysfunction-associated steatotic liver disease (MASLD) Sheila Gato-Zambrano ^{1,2}, Vanessa García-Fernández ^{1,2}, Antonio Gil-Gómez ^{1,2,3}, Ángela Rojas ^{1,2}, Carmen Lara ^{1,2,4}, Manuel Romero Gómez ^{1,2,3,4}, Rocío Muñoz-Hernández ^{1,2,3} <i>1- SeLiver Group, Instituto de Biomedicina de Sevilla, IBiS/Hospital Universitario Virgen del Rocío, CSIC, Universidad de Sevilla</i> <i>2- Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas (CIBEREHD)</i> <i>3- Departamento de Fisiología, Facultad de Biología, Universidad de Sevilla</i> <i>4- UGC Aparato Digestivo, Hospital Universitario Virgen del Rocío, Sevilla, Spain</i></p>
<p>P 21</p>	<p>A bioengineered portal vein microvessel platform for mechanistic and therapeutic studies in portal vein thrombosis Aina Anton^{1,2,3}, Inês Gerales⁴, Silvia Sanz⁴, Genís Campreciós^{1,2}, Sarah Shalaby^{1,2}, Annabel Blasi⁵, Yiliam Fundora⁶, Rosa Montañés^{1,3}, Héctor García-Calderó^{1,2}, Hasanka Madubashetha^{1,3}, Joan Carles García-Pagán^{1,2,3}, Maria Bernabeu⁴, Virginia Hernández-Gea^{1,2,3} <i>1- Liver unit, Hospital Clínic, Health care provider of the european reference network on rare liver disorders (ERN-Liver). Fundació de recerca clínica Barcelona-Institut d'investigacions biomèdiques August Pi i Sunyer (FRCB-IDIBAPS), Barcelona, Catalonia, Spain</i> <i>2- Centro de investigación biomédica red de enfermedades hepáticas y digestivas (CIBEREHD), Madrid, Spain</i> <i>3- Universitat de Barcelona, Facultat de Medicina i Ciències de la Salut, Barcelona, Spain.</i> <i>4- European Molecular Biology Laboratory (EMBL) Barcelona, Barcelona, Spain</i> <i>5- Anesthesiology department, Hospital clínic-Institut d'investigacions biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain</i> <i>6- Department of surgery, division of hepatobiliary and general surgery, Institut de malalties digestives i metabòliques (IMDiM), Hospital clínic, Barcelona, Spain</i></p>

Abstracts selected
FOR E-POSTER
PRESENTATION

<p>P 22</p>	<p>Title tbc Wei-Ting Wang, Yi-Hsuan Lin, Jhen-Wei Ruan, Pei-Chen Chen, Chian-Feng Chen, Hsiao-Yun Yeh, Hsiao-Chin Shen, Chien-Yi Tung, Ya-Yuan Chang, Hung-Cheng Tsai, Tzu-Hao Li, Chien-Wei Su, Ying-Ying Yang, Ming-Chih Hou <i>Taipei Veterans General Hospital</i></p>
<p>P 23</p>	<p>PTP1B inhibition protects against cholestasis by shutting immune cell recruitment and enhancing proliferation of liver progenitor cells Silvia Calero-Pérez ^{1,2}, M. Pilar Valdecantos ^{1,2}, Rubén Grillo-Grisco³, Francisco García-García³, Ángela M. Valverde ^{1,2} <i>1- Institute of Biomedical Research Sols-Morreal (CSIC-UAM), Madrid, Spain</i> <i>2- Centro de Investigación Biomédica en Red de Diabetes y Enfermedades Metabólicas Asociadas (CIBERDEM, ISCIII), Madrid, Spain</i> <i>3- Príncipe Felipe Research Center (CIPF), Valencia, Spain</i></p>
<p>P 24</p>	<p>Epigenetic control of MASH-driven hepatocarcinogenesis by the histone methyltransferase G9a Ainara Irigaray-Miramón ¹, Amaya Lopez-Pascual ^{2,3}, Borja Castelló-Urbe ¹, Roberto Barbero López ^{1,4}, Elena Adan-Villaescusa¹, Jasmin Elurbide ^{1,4}, Emiliana Valbuena- Goiricelaya ¹, Maria Ujue Latasa ¹, Iker Uriarte ^{1,4}, Maialen Lizasoain-Echeverz ¹, Miriam Belzunce ¹, Maria Arechederra ^{1,3,4}, Josepmaria Argemi ^{2,3,4,5}, Bruno Sangro ^{2,3,4}, Carmen Berasain ^{1,4}, Matias A Avila ^{1,3,4}, Maite G. Fernandez-Barrena ^{1,3,4} <i>1- Hepatology Laboratory, Solid Tumors Program, CIMA, CCUN, University of Navarra, Pamplona, Spain</i> <i>2- Hepatology Unit, CCUN, Navarra University Clinic, Pamplona, Spain</i> <i>3- Instituto de Investigaciones Sanitarias de Navarra IdISNA, Pamplona, Spain</i> <i>4-CIBEREHD, Instituto de Salud Carlos III, Madrid, Spain</i> <i>5- RNA Biology and Therapeutics Program, CIMA, CCUN, University of Navarra, Pamplona, Spain</i></p>

Abstracts selected
FOR E-POSTER
PRESENTATION

<p>P 25</p>	<p>PKD2 deficiency in hepatocytes ameliorates acetaminophen (APAP)-induced acute liver injury Elena Carceller-López^{1,2}, Ángela M. Valverde^{1,2,3} and Patricia Rada^{1,2,3} <i>1- Instituto de Investigaciones Biomédicas Sols-Morreale (IIBM), Consejo Superior de Investigaciones Científicas-Universidad Autónoma de Madrid, Madrid, Spain</i> <i>2- Centro de Investigación Biomédica en Red de Diabetes y Enfermedades Metabólicas Asociadas (CIBERDEM), Madrid, Spain</i> <i>3- Instituto de Investigación Sanitaria La Paz (IdiPaz), Madrid, Spain</i></p>
<p>P 26</p>	<p>miR-122 deficiency in mice enhances regeneration in physiological conditions but impairs repair in fibrotic liver Jordi Ribera¹, Anna Cardona-Simó¹, Irene Portolés¹, Aleix Fabregat¹, Pedro Melgar-Lesmes^{1,2}, Gregori Casals^{1,3}, Wladimiro Jiménez^{1,2}, Manuel Morales-Ruiz^{1,2} <i>1- Biochemistry and Molecular Genetics Department, Hospital Clinic of Barcelona, Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas (CIBEREHD), Barcelona, Spain</i> <i>2- Department of Biomedicine-Biochemistry Unit, School of Medicine University of Barcelona, Barcelona, Spain</i> <i>3- Department of Fundamental and Clinical Nursing, Faculty of Nursing, University of Barcelona, Spain</i></p>
<p>P 27</p>	<p>Spontaneous resolution of chronic immune responses in a long-term MHC-mismatched mouse liver transplant model Keiko Iwaisako <i>Doshisha University, Kyoto, Japan</i></p>
<p>P 28</p>	<p>TRIB3 promotes drug-induced liver injury by mediating PRDX1 degradation Nan Jiang, Meng-Chao Xiao, Xin Zhang, Wei-fen Xie <i>1- Department of Gastroenterology, Shanghai East Hospital, School of Medicine, Tongji University, Shanghai 200092, China</i> <i>2- Department of Gastroenterology, Changzheng Hospital, Naval Medical University, Shanghai, China</i></p>

POSTERS 29-42 [MAY 25TH - 10:30 ▶ 11:55]

<p>P 29</p>	<p>Liver-specific CNM4 silencing alleviates fibrosis in cholestatic preclinical models and human liver slices Naroa Goikoetxea-Usandizaga^{1,2}, Maitane Asensio Martín^{2,3}, Irene González-Recio¹, Jorge Simón^{1,2}, Marina Serrano-Maciá¹, Marta R. Romero³, Beatriz Sanchez de Blas³, María Andrés-Rozas⁴, Ana Martínez-Alcocer⁴, Ute Schaeper⁵, Malgorzata Milkiewicz⁶, Piotr Milkiewicz⁷, Rubén Nogueiras^{8,9}, Jelena Mann^{10,11}, Jordi Gracia-Sancho^{2,4}, Jose Juan García-Marín^{2,3}, María L Martínez-Chantar¹ 1- Liver Disease Lab, CICbioGUNE, Derio, Spain 2- CIBEREHD, Madrid, Spain 3- Experimental Hepatology and Drug Targeting (HEVEFARM), IBSAL, University of Salamanca, Salamanca, Spain 4- Liver Vascular Biology Research Group, IDIBAPS, Barcelona, Spain 5- Silence Therapeutics GmbH, Berlin, Germany 6- Department of Medical Biology, Pomeranian Medical University, Szczecin, Poland 7- Liver and Internal Medicine Unit, Medical University of Warsaw, Warsaw, Poland 8- Department of Physiology, Research Centre of Molecular Medicine and Chronic Diseases, University of Santiago De Compostela, Santiago de Compostela, Spain 9- CIBERobn, Santiago de Compostela, Spain 10- Newcastle Fibrosis Research Group, Bioscience Institute, Faculty of Medical Sciences, Newcastle University, UK 11- FibroFind, Newcastle upon Tyne, UK</p>
<p>P 30</p>	<p>Hepatocyte-specific CNM4 silencing alleviates liver injury in alpha-1 antitrypsin deficiency Nerea Ferreiro¹, Carolina Conter¹, José Garcia-Consuegra², Amaia Navarro-Corcuera¹, L Estefanía Zapata-Pavas¹, Maria Mercado-Gomez¹, Jon Ander Barrenechea-Barrenechea¹, Nazli Khodayari³, Regina Oshins³, Mark L Brantly³, Sara Congliati², Pavel Strnad⁴, Irene González-Recio¹, Naroa Goikoetxea-Usandizaga¹, Malu Martínez-Chantar¹ 1- Liver Disease Lab, Center for Cooperative Research in Biosciences (CIC bioGUNE), Basque Research and Technology Alliance (BRTA), Derio, Spain 2- Centro de Biología Molecular Severo Ochoa (CBMSO), Consejo Superior de Investigaciones Científicas-Universidad Autónoma de Madrid (CSIC-UAM),</p>

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P 31	<p>Study of extracellular vesicle in three-dimensional hepatic models of MASLD</p> <p>Silvia López-Sarrió ¹, Félix Royo-López ^{1,2}, Juan Manuel Falcón-Pérez ^{1,2,3,4}</p> <p><i>1- Exosomes Laboratory and Metabolomics Platform. Center for Cooperative Research in Biosciences (CICbioGUNE)</i></p> <p><i>2. Basque Research and Technology Alliance (BRTA), Derio, Spain</i></p> <p><i>3- Centro de Investigación Biomédica en Red de Enfermedades Hepáticas Y Digestivas (CIBEREHD), Madrid, Spain</i></p> <p><i>4- IKERBASQUE, Basque Foundation for Science, 48013, Bilbao, Spain</i></p>
P 32	<p>SUCNR1 controls mitochondrial activity, zonation and the response to nutrients in hepatocytes</p> <p>Anna Marsal-Beltran^{1,2,3}, Laura Salmerón-Pelado^{1,2,3}, Aleix Ribas-Latre¹, Maria Repollés-de-Dalmau^{1,2,3}, M-Mar Rodríguez-Peña^{1,2}, Catalina Núñez-Roa^{1,2}, Joan Badia⁴, Ana Madeira^{1,2}, Eva Nova^{5,6}, Marc Beltrà^{2,7,8}, Ana Belén Plata-Gómez⁹, Jordi Capellades^{1,2}, Joan Carles Escolà-Gil^{2,10}, Antonio Zorzano^{2,7,8}, Óscar Yanes^{2,11}, Alejo Efeyan⁹, Ruben Nogueiras^{5,6}, Jordi Gracia-Sancho¹², Joan Vendrell^{1,2,3}, Victòria Ceperuelo-Mallafre^{1,2,3}, Sonia Fernández-Veledo^{1,2,3}</p> <p><i>1- DIAMET Research Unit. University Hospital of Tarragona Joan XXIII, Pere Virgili Health Research Institute (IISPV), Tarragona, Spain.</i></p> <p><i>2- CIBER de Diabetes y Enfermedades Metabólicas Asociadas (CIBERDEM) - Instituto de Salud Carlos III, Madrid, Spain</i></p> <p><i>3- Rovira i Virgili University, Tarragona, Spain.</i></p> <p><i>4- Plataformes de Bioinformàtica i de Suport Estadístic, Institut d'Investigació Sanitària Pere Virgili (IISPV)-CERCA, Tarragona, Spain.</i></p> <p><i>5- Department of Physiology, Center for Research in Molecular Medicine and Chronic Diseases (CIMUS), University of Santiago de Compostela, Santiago de Compostela, Spain</i></p>

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<p>P 33</p>	<p>Regulation of adiponectin and resistin in liver transplantation protects grafts from extended-criteria donors</p> <p>C. Maroto-Serrat¹, A. Casillas-Ramírez², C. Rojano-Alfonso³, F. Sanus, M¹. Micó-Carnero³, A. Caballeria-Casals¹, M. Cabrer³, H. Y. Martínez-Padrón², J. Gracia-Sancho⁴, C. Peralta³</p> <p>1- Protective strategies against hepatic ischemia-reperfusion research group; Institut d'Investigacions Biomèdiques August Pi i Sunyer, Barcelona, Spain; Barcelona University, Barcelona, Spain</p> <p>2- Hospital Regional de Alta Especialidad de Ciudad Victoria, Servicios de Salud del Instituto Mexicano de Seguro Social para el Bienestar, Ciudad Victoria, Mexico; Faculty of Medicine of Matamoros, Autonomous University of Tamaulipas, Matamoros, Mexico</p> <p>3- Protective strategies against hepatic ischemia-reperfusion research group; Institut d'Investigacions Biomèdiques August Pi i Sunyer, Barcelona, Spain</p> <p>4- Liver Research Unit, IRBCatSud, CIBEREHD, Tarragona, Spain de Salud Carlos III, Madrid, Spain</p>

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<p>P 34</p>	<p>Mapping hepatic vascular remodelling across alcohol-related liver disease progression by spatial proteomics Laia Aguilar-Corominas^{1,2}, Alicia Martínez-Álvarez², Javier Vicente-Mora^{1,2}, Jordi Gratacós-Ginès^{2,3}, Isabel Graupera^{2,3}, Pere Ginès^{1,2,3}, Elisa Pose^{2,3}, Mar Coll^{1,2} <i>1- Universitat de Barcelona, Departament de Medicina, Barcelona, Spain</i> <i>2- Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain</i> <i>3- Liver Unit, Hospital Clínic de Barcelona, Barcelona, Spain</i></p>
<p>P 35</p>	<p>A microbial metabolite attenuates liver damage via dual modulation of NF-κB and interferon signaling Yurui Zheng, Nicholas Handali, Dana Moradi, Colin Varnet, Farhin Patel, Alexander Aksenov, Adam Kim* <i>UConn Health, CT, USA</i></p>
<p>P 36</p>	<p>MeCP2 as epigenetic mechanosensor of liver sinusoidal endothelial cells in chronic liver disease Eric Felli^{*1, 2}, Manuel Prampolini^{*1, 2, 3}, Lars Abgottsson^{1, 2, 3}, Yeldos Nulan^{1, 2, 3}, Sonia Emilia Selicean^{1, 2}, Cong Wang^{1, 2}, Sergi Guixé-Muntet^{4,5}, Mikel Azkargorta^{5, 6}, Juanjo Lozano⁵, Jaime Bosch^{1, 2}, Annalisa Berzigotti^{1, 2}, Jordi Gracia-Sancho^{1, 2, 4, 5} <i>1- Department of Visceral Surgery and Medicine, Inselspital, Bern University Hospital, University of Bern, Bern, Switzerland</i> <i>2- Department for BioMedical Research, University of Bern, Bern, Switzerland</i> <i>3- Graduate School for Cellular and Biomedical Sciences (GCB), University of Bern, Bern, Switzerland</i> <i>4- Liver Research Unit, IRBCatSud, Tarragona, Spain</i> <i>5- CIBEREHD, Madrid, Spain</i> <i>6- CICbioGUNE, Bizkaia Science and Technology Park, Derio, Spain</i></p>

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<p>P 37</p>	<p>Naringenin reverses experimental liver fibrosis by reprogramming global DNA methylation signatures Roberto Flores-Peña^{1,2}, Fernando Caloca-Camarena^{1,2}, Scarlet Arceo-Orozco², Jorge Alejandro Salto-Sevilla², Marina Galicia-Moreno², Juan Armendáriz-Borunda^{2,3}, Hugo C. Monroy-Ramírez² <i>1- Programa de Doctorado en Farmacología, Departamento de Fisiología, Centro Universitario de Ciencias de la Salud, Universidad de Guadalajara, Guadalajara, Jalisco, Mexico.</i> <i>2- Instituto de Biología Molecular en Medicina y Terapia Génica, Departamento de Biología Molecular y Genómica, Centro Universitario de Ciencias de la Salud, Universidad de Guadalajara, Guadalajara, Jalisco, Mexico.</i> <i>3- Tecnológico de Monterrey, EMCS, Zapopan, Jalisco, Mexico</i></p>
<p>P 38</p>	<p>Effects of fenofibrate on primary murine liver sinusoidal endothelial cells in vitro Dibakar Borah¹, Marcin Luty¹, Karolina Szafranska², Katarzyna Trzos³, Jerzy Kotlinowski³, Peter McCourt², Malgorzata Lekka¹, Bartlomiej Zapotoczny^{1,*} <i>1- Institute of Nuclear Physics, Polish Academy of Sciences, Krakow, Poland</i> <i>2- Department of Medical Biology, University of Tromsø—The Arctic University of Norway, Tromsø, Norway</i> <i>3- Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University, Krakow, Poland</i></p>
<p>P 39</p>	<p>Surface-engineered MSC-derived exosomes targeting SE-1 receptor on LSECs for the treatment of liver fibrosis Mi Ra Lee¹, Jin Suk Lee², Seul Ki Han^{1,2}, Chung Hyun Jung, Soon Koo Baik^{1,2}, Moon Young Kim^{1,2} <i>1- Department of Internal Medicine, Wonju Severance Christian Hospital</i> <i>2- Regeneration Medicine Research Center, Yonsei University Wonju College of Medicine, Wonju, Republic of Korea</i></p>

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A liver sinusoidal endothelial cell gene signature reflects disease stage and severity in cirrhotic rats

Carolina Franco ^{1,2}, Marta Puerto ^{1,2,3}, Elena Vázquez-Ogando ^{1,2}, Christian Ruiz-Martín ^{1,2}, Iris Asensio ^{1,2}, Anabel Fernández-Iglesias ^{3,4}, Ana Martínez-Alcocer ^{3,4}, Johanna Sierra ^{1,2}, Alejandro Hionides-Gutierrez ^{5,6}, Adriana De Bonis ^{5,6}, Raquel Herrero ^{7,8}, Laura Moreno ^{8,9}, Ignacio Benedicto ^{10,11}, Jean S Campbell ¹², Juan Manuel Falcón ^{3,13,14}, Agustín Albillos ^{3,15}, Javier Cubero ^{2,3,5,6}, Jordi Gracia-Sancho ^{3,4}, Rafael Bañares ^{1,2,3,16}, Javier Vaquero ^{1,2,3}

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P 41	Sult2a1 restrains hepatocellular carcinoma progression by fostering CA7S-mediated CD8+T cell cytotoxicity via CREB-IL-2Rβ-mTORC1 signaling He Wei, Zhang Xin, Xie Wei-Fen <i>1- Department of Gastroenterology, Shanghai East Hospital, School of Medicine, Tongji University, Shanghai, China</i> <i>2- Department of Gastroenterology, Changzheng Hospital, Naval Medical University, Shanghai, China</i>
P 42	Rifaximin prevents MASH by suppressing deoxycholic acid-mediated macrophage-hepatocyte dialogue Mei-Tong Nie, Chuan Yin, Xin Zhang, Wei-Fen Xie <i>1- Department of Gastroenterology, Changzheng Hospital, Naval Medical University, Shanghai, China</i>

POSTERS 43-56 [MAY 25TH - 13:30 ▶ 15:15]

<p>P 43</p>	<p>Modeling parenchymal consequences of sinusoidal dysfunction in porto-sinusoidal vascular disorder (PSVD) using human hepatocyte organoids</p> <p>Hasanka Madubashetha^{1,2,3,4,6}, Raquel Ferrer-Lorente², Aina Anton^{1,2,3,4,5,6}, Rosa Montañés^{1,2,3,4,6}, Héctor García-Calderó^{1,2,3,4,5}, Sarah Shalaby^{1,2,3,4,5}, Andreea Fodor^{1,7}, Juan Carlos García-Pagán^{1,2,3,4,5,6}, Genís Campreciós^{1,2,3,4,5}, Pau Sancho-Bru^{2,5,6}, Virginia Hernández-Gea^{1,2,3,4,5,6}</p> <p>1- Barcelona Hepatic Hemodynamic Laboratory, Liver Unit, Hospital Clínic, Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain</p> <p>2- Fundació de Recerca Clínica Barcelona-Institut d'Investigacions Biomèdiques August Pi i Sunyer (FRCB-IDIABPS), Barcelona, Spain</p> <p>3- Health Care Provider of the European Reference Network on Rare Liver Disorders (ERN-RareLiver), Barcelona, Spain</p> <p>4- Centro de referencia del Sistema nacional de salud en enfermedad hepática compleja (CSUR), Barcelona, Spain</p> <p>5- Centro de Investigación Biomédica Red de Enfermedades Hepáticas y Digestivas (CIBEREHD), Madrid, Spain</p> <p>6- Faculty of Medicine and Health Sciences, University of Barcelona, Barcelona, Spain</p> <p>7- University of Medicine and Pharmacy 'Iuliu Hatieganu', Gastroenterology Department, 3rd Medical Clinic, Cluj-Napoca, Romania</p>
<p>P 44</p>	<p>Sex and photoperiod modulate hepatic redox balance in diet-induced obesity via a melatonin-NRF2-circadian signaling axis</p> <p>Aina Gironès-Garreta^{1,2,3}; Gerard Aragonès^{1,2,3}, Miquel Mulero^{1,2,3}</p> <p>1- Universitat Rovira i Virgili, Departament de Bioquímica i Biotecnologia, Nutrigenomics Research Group, Tarragona, Spain.</p> <p>2- Nutrigenomics Research Group, Institut d'Investigació Sanitària Pere Virgili, Tarragona, Spain.</p> <p>3- Center of Environmental, Food and Toxicological Technology (TecnATox), University Rovira i Virgili, Tarragona, Spain</p>

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<p>P 45</p>	<p>Inhibition of IL1β synthesis mediated by a novel pyridine-sulfonamide compound protects against the progression of MASLD</p> <p>Ángela Berlana¹, Esther Rey¹, Elena Fresno-Ventura^{2,3}, Patricia Gomez-Gutierrez⁴, Miguel Vega⁴, Carmelo García-Monzón¹, Águeda González-Rodríguez^{2,3}</p> <p>1- Research Unit, Hospital Universitario Santa Cristina, Instituto de Investigación Sanitaria Hospital Universitario de La Princesa, Madrid, Spain 2- Instituto de Investigaciones Biomédicas Sols-Morreale (IIBM), Consejo Superior de Investigaciones Científicas-Universidad Autónoma de Madrid, Madrid, Spain 3- Centro de Investigación Biomédica en Red de Diabetes y Enfermedades Metabólicas Asociadas (CIBERDEM), Madrid, Spain 4- Allinky Biopharma, Madrid, Spain</p>
<p>P 46</p>	<p>Liver sinusoidal cells: The hidden players in bacteriophage therapy?</p> <p>Arthur Kruse Sørensen¹, Jaione Simón-Santamaria¹, Javier Sánchez Romano¹, Ingelin Kyrrestad¹, Kim Erlend Mortensen², Antonia P. Sagona³, Paulina Miernikiewicz⁴, Krystyna Dabrowska⁴, Karen Kristine Sørensen¹, Anett Kristin Larsen¹</p> <p>1- Department of Medical Biology, Faculty of Health Sciences, UiT The Arctic University of Norway, Tromsø, Norway 2- Gastrointestinal Surgery Unit, University Hospital of North Norway, Tromsø, Norway 3- School of Life Sciences, University of Warwick, Coventry, United Kingdom 4- Hirsfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wrocław, Poland</p>
<p>P 47</p>	<p>Transcriptomic profiling of epigenetic regulators and metabolic reprogramming in human cholangiocarcinoma</p> <p>Amaya Lopez-Pascual^{1,2*}, Jasmin Elurbide^{1,3}, Emilian Valbuena-Goiricelaya¹, M Ujue Latasa^{1,3}, Elena Anaya¹, Elena Adan-Villaescusa¹, Borja Castelló-Uribe¹, Luz A. Martínez-Pérez^{1,4}, Iker Uriarte^{1,3}, María Arechederra^{1,2,3}, Sergio Ciordia⁵, Fernando J Corrales⁵, Sona Frankova⁶, Eva Sticova^{6,7}, Ondrej Fabian^{6,8}, Leticia Colyn⁹, Patricia Inacio⁹, Juan Bayo¹⁰, Meritxell Huch⁹, Carmen Berasain^{1,3}, Maite G Fernández-Barrena^{1,2,3#}, Matías A Avila^{1,2,3#}</p> <p>1- Hepatology Laboratory, Solid Tumors Program, CIMA, CCUN, University of Navarra, Pamplona, Spain 2- Instituto de Investigaciones Sanitarias de Navarra IdiSNA, Pamplona, Spain 3- CIBEREHD, Instituto de Salud Carlos III, Madrid, Spain.</p>

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<p>P 48</p>	<p>Prognostic and therapeutic value of Hepatic-Stellate-Cell products and subpopulations in chronic liver disease</p> <p>Douglas Maya-Miles,^{*1-4}, Sergi Guixé^{*4,5} Antonio Gil-Gómez^{*1-4}, Luis Ibáñez-Samaniego^{*4,6,7}, Anabel Fernández-Iglesias^{*4,5}, Blanca Escudero-López^{*8,9}, Javier Vaquero^{4,6,7}, Javier Cubero^{4,7,10}, Oriol Juanola^{4,11,12}, Rubén Francés^{4,11,12}, Esther Caparrós^{4,11,12}, Rocío Gallego-Durán^{2-4,13}, Lucía López-Bermudo^{8,9}, Rafael Bañares^{4,6,7}, Fran Martín-Bermudo^{8,9}, Manuel Romero-Gómez^{2,3,13}, Jordi Gracia-Sancho^{4,5}, Javier Ampuero^{2,3,13}</p> <p>1- Departamento de Fisiología, Universidad de Sevilla, Sevilla, Spain</p> <p>2- Servicio de Aparato Digestivo, Hospital Universitario Virgen del Rocío</p> <p>3- Instituto de Biomedicina de Sevilla (HUVR/CSIC/US)</p> <p>4- Centro de Investigación Biomédica en Red (CIBEREHD), Sevilla, Spain</p> <p>5- Liver Research Unit, IRBCatSud, Tarragona, Spain</p> <p>6- Servicio de Medicina del Aparato Digestivo. Hospital General Universitario Gregorio Marañón. Madrid</p> <p>7- Health Research Institute Gregorio Marañón (IISGM), Madrid, Spain</p> <p>8- Centro Andaluz de Biología Molecular y Medicina Regenerativa-CABIMER, Universidad Pablo de Olavide, Universidad de Sevilla, Consejo Superior de Investigaciones Científicas (CSIC), Sevilla, Spain</p> <p>9- Centro de Investigación Biomédica en Red de Diabetes y Enfermedades Metabólicas Asociadas (CIBERDEM), Madrid, Spain</p> <p>10- Department of Immunology, Ophthalmology and ENT, Complutense University School of Medicine, Madrid, Spain</p> <p>11- Hepatic and Intestinal Immunobiology Group, Departamento Medicina Clínica e Instituto IDIBE, Universidad Miguel Hernández, San Juan, Alicante, Spain.</p> <p>12- IIS ISABIAL, Hospital General Universitario de Alicante, Alicante, Spain</p> <p>13- Departamento de Medicina Universidad de Sevilla, Sevilla, Spain</p>

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<p>P 49</p>	<p>NAC rescues LSEC functions and fenestration dynamics against chemical and phototoxic ROS Karolina Szafranska, Anika Kiel, Larissa Kruse, Christopher Holte, Marcin Luty, Jakub Pospisil, Wolfgang Hubner, Thomas Huser, Peter McCourt, Bartłomiej Zapotoczny 1- University of Tromsø — The Arctic University of Norway 2- Department of Physics, Bielefeld University, Germany 3- Institute of Nuclear Physics Polish Academy of Sciences, Krakow, Poland</p>
<p>P 50</p>	<p>Reactive cholangiocytes from cholestatic livers distinctly respond to bile acids and influence macrophage polarization Tian Lan^{1,2}, Guo Yin¹, Hanyang Liu¹, Natalia Martagón Calderón³, Bianca Franco Leonardi⁴, Yuanshui Long², Pavitra Kumar¹, Hilmar Berger¹, Milad Rezvani³, Frank Schaap^{5,6}, Frank Tacke¹, Adrien Guillot¹ 1- Department of Hepatology & Gastroenterology, Charité Universitätsmedizin Berlin, Campus Virchow-Klinikum and Campus Charité Mitte, Berlin, Germany 2- Department of Gastroenterology and Hepatology, West China Hospital, Sichuan University, Chengdu, China 3- Department of Pediatric Gastroenterology, Nephrology and Metabolic Medicine, Charité Universitätsmedizin Berlin, Berlin, Germany 4- Department of Physiology and Biophysics, Institute of Biomedical Sciences, University of Sao Paulo, Sao Paulo, Brazil 5- Department of Surgery, NUTRIM Institute of Nutrition and Translational Research in Metabolism, Maastricht University, Maastricht, The Netherlands 6- Department of General, Visceral and Transplantation Surgery, RWTH Aachen University, Aachen, Germany</p>
<p>P 51</p>	<p>Serum hyaluronic acid tracks liver sinusoidal endothelial dysfunction and prognosis in rodenticide-induced hepatotoxicity Vijayalekshmi Balakrishnan, Sushovan Baidya, Vijay Alexander, Uday Zachariah, C E Eapen, Ashish Goel Wellcome Trust Research Laboratory, Department of Hepatology, Division of GI Sciences, Christian Medical College, Vellore, Tamil Nadu, India</p>

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<p>P 52</p>	<p>ANGPTL6-regulated type 1 macrophages polarization alleviates hepatic stellate cells inflammatory responses Ming-Syuan Shih¹, Cheng-Chieh Fang², Yi-Jen Liao^{1*} <i>1- Ph.D. Program in Medical Biotechnology, College of Medical Science and Technology, Taipei Medical University, Shuang-Ho Campus, New Taipei City, Taiwan</i> <i>2- Medical Laboratory, Medical Education and Research Center, Kaohsiung Armed Forces General Hospital, Kaohsiung, Taiwan</i></p>
<p>P 53</p>	<p>Involvement of cannabinoid 1 receptors in liver fibrosis Kei Ishizuka ^{1,2}, Souradipta Ganguly ^{2,3}, Barun Das ^{2,3}, Malika K Nindra ^{2,3}, Aryaman Bhattacharya ^{2,3}, Tatiana Kisseleva ², David A. Brenner ^{2,3}, Debanjan Dhar ^{2,3} and Kenichi Ikejima ¹ <i>1- Department of Gastroenterology, Juntendo University Graduate School of Medicine, Tokyo, Japan</i> <i>2- Department of Medicine, University of California San Diego, La Jolla, CA, USA</i> <i>3- Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA, USA</i></p>
<p>P 54</p>	<p>Proline-rich fermented rice bran diet alleviates hepatic stellate cells activation and liver fibrosis in mice Chia-En Hsieh and Yi-Jen Liao* <i>School of Medical Laboratory Science and Biotechnology, College of Medical Science and Technology, Taipei Medical University, Taipei, Taiwan</i></p>
<p>P 55</p>	<p>Integrated omics identifies dysregulated selenium axis in MASLD-induced fetal liver insulin resistance Simran Sharma, Ahona Roy, Anupama Parasar, Aarti Sharma, Rajni Yadav, Ashwini Vasudevan, Dinesh Mani Tripathi, Neha Agarwal, Shiv K Sarin, Savneet Kaur* <i>1- Institute of Liver and Biliary Sciences, India</i></p>
<p>P 56</p>	<p>Fibrosis-driven tumor programs define aggressive hepatocellular carcinoma Vu Thi Hoai Thu, Masako Okada, Masaru Enomoto, Truong Huu Hoang, Tsutomu Matsubara, Norifumi Kawada, Misako Sato-Matsubara <i>Graduate School of Veterinary Science - Osaka Metropolitan University, Osaka, Japan</i></p>

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POSTERS 57-70 [MAY 26TH - 11:00 ▶ 12:15]

<p>P 57</p>	<p>Systematic elastography-based assessment of Sinusoidal Obstruction Syndrome in patients undergoing allogeneic hematopoietic stem cell transplantation Beltran, Alfonso¹, Panizo, Maria², Urtasun, Andrea³, Gonzalez-Salvador, Maria³, Catalan, Ana³, Villar, Sara^{2,6}, Argemi, J.^{4,5,6,*}, Rifon, José^{2,6} <i>1- School of Medicine. University of Navarra. Pamplona, Spain</i> <i>2- Hematology Department. Transplant Unit. Cancer Center Clinica Universidad de Navarra. Pamplona. Spain</i> <i>3- Pediatrics Department. Transplant Unit. Cancer Center Clinica Universidad de Navarra. Pamplona. Spain</i> <i>4- Internal Medicine. Liver Unit. Cancer Center Clinica Universidad de Navarra. Pamplona. Spain</i> <i>5- Centro de Investigación Médica en RED (CIBER-EHD). Madrid. Spain</i> <i>6- Instituto de Investigación Sanitaria de Navarra (IdisNA). Pamplona. Spain</i></p>
<p>P 58</p>	<p>Understanding porto-sinusoidal vascular disease development using a genetic model N. Ciriaci, L. Bertin, A. Hammoutene, S. Laouirem, A. Sayadi, A. Wawrzyniak, E. Gonzales, A. Spraul, E. Lainey, H. Morel, C. Kannengiesser, P. Revy, V. Paradis, P.-E. Rautou <i>1- Inserm, Centre de recherche sur l'inflammation, UMR 1149, Paris, France</i></p>
<p>P 59</p>	<p>Impact of host genetic background on murine cytomegalovirus infection in liver sinusoidal endothelial cells Ingelin Kyrrestad, Ruomei Li, Saikat Das Sajib, Jaione Simón-Santamaría, Javier Sánchez Romano, Gianina Dumitriu, Erik Knudsen, Anett Kristin Larsen, Karen Kristine Sørensen <i>1- Department of Medical Biology, Faculty of Health Sciences, UiT - The Arctic University of Norway, Tromsø, Norway</i></p>

Abstracts selected
FOR E-POSTER
PRESENTATION

<p>P 60</p>	<p>Gut microbiota orchestrates immune signaling: a transcriptomic analysis of early liver regeneration in mice Muhamad Marlini ^{1,5}, Raman Nur Fatin Aqilah ⁵, Frances O'Brien ², Tara O Driscoll ², Ngatiman M Hairulhisyam^{1,5}, Mohd Manzor Nur Fariha ⁵, Fergus Shanahan ³, Antony M. Wheatley ^{1*} <i>1- Physiology Department, National University of Ireland, Galway, Ireland</i> <i>2- Germ Free Unit, BSU, University College Cork, Cork, Ireland</i> <i>3- Alimentary Pharmabiotic Centre (APC), University College Cork, Cork, Ireland</i> <i>4- Faculty of Medicine and Health Sciences, Universiti Sains Islam Malaysia, Kuala Lumpur, Malaysia</i></p>
<p>P 61</p>	<p>Alteration of the light-dark cycle modifies hepatic clocks and signalling between organs: the protective role of proanthocyanidins Alba García-Aranda ^{1,2,3}, Manuel Suárez ^{1,2,3}, Begoña Muguera ^{1,2,3} <i>1- Universitat Rovira i Virgili, Departament de Bioquímica i Biotecnologia, Nutrigenomics Research Group, Tarragona, Spain</i> <i>2- Universitat Rovira i Virgili, Institut d'Investigació Sanitària Pere Virgili, Nutrigenomics Research Group, Tarragona, Spain</i> <i>3- Center of Environmental, Food and Toxicological Technology (TecnATox), Tarragona, Spain</i></p>
<p>P 62</p>	<p>Sinusoidal endothelial injury and impaired microcirculation in anti-tubercular drug-induced liver injury Himanshi¹, Rajni Yadav¹, Vaibhav Tiwari¹, Aishwarya Bhatnagar¹, Savneet Kaur¹, Rajkumar Tulsawani², Shiv Kumar Sarin³, Dinesh Mani Tripathi¹ <i>1- Department of Molecular and Cellular medicine, Institute of Liver and Biliary Sciences, New Delhi</i> <i>2- DIPAS, DRDO, New Delhi</i> <i>3- Department of Hepatology, Institute of Liver and Biliary Sciences, New Delhi, India</i></p>
<p>P 63</p>	<p>Glycolytic-reprogramming and mitochondrial-dysfunction in liver sinusoidal endothelial cells aggravates portal hypertension during sepsis in cirrhosis Vaibhav Tiwari¹, Rajni Yadav¹, Manisha¹, Aishwarya Bhatnagar¹, Himanshi¹, Savneet Kaur¹, Shiv Kumar Sarin¹, Dinesh Mani Tripathi^{1*} <i>1- Institute of Liver and biliary Sciences, New Delhi, India</i></p>

Abstracts selected
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<p>P 64</p>	<p>Peptidylprolyl isomerase C in chronic liver disease: potential biomarker and therapeutic target for fibrosis Cristina Benavides^{1,2}, Isabel Fuster-Martínez^{1,2}, Fernando Solano¹, Pepa Kecheva^{1,8}, Joan Tosca³, Cristina Montón³, Douglas Maya^{4,5}, Javier Ampuero^{4,5,6,7}, Manuel Romero-Gómez^{4,5,6,7}, Susana Rovira-Llopis^{2,8}, Victor M. Víctor^{2,5,8}, Juan V. Esplugues^{1,2,5}, Nadezda Apostolova^{1,2,5}, Ana Blas-García^{1,2,5}</p> <p>1- Departamento de Farmacología, Universitat de València, Valencia, Spain 2- FISABIO (Fundación para el Fomento de la Investigación Sanitaria y Biomédica de la Comunidad Valenciana), Valencia, Spain 3- Departamento de Medicina Digestiva, Hospital Clínico Universitario de Valencia, Valencia, Spain 4- SeLiver Group, Instituto de Biomedicina de Sevilla (HUVR/CSIC/US), Sevilla, Spain 5- CIBERehd (Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas), Spain 6- Servicio de Aparato Digestivo, Hospital Universitario Virgen del Rocío, Sevilla, Spain 7- Departamento de Medicina, Universidad de Sevilla, Sevilla, Spain 8- Departamento de Fisiología, Universitat de València, Valencia, Spain</p>
<p>P 65</p>	<p>Ultrastructural assessment of LSEC capillarisation in MASLD and its modulation by the pan-PPAR agonist lanifibranor Shivani Chotkoe¹, Guillaume Wettstein⁶, Joris De Man¹, Sofie Thys^{2,3}, Isabel Pintelon^{2,3}, Yang Lu¹, Nateneal Beyene¹, Jean-Louis Junien⁶, Denise van der Graaff⁵, Benedicte Y. De Winter^{1,5}, Winnok H. De Vos²⁻⁴, Luisa Vonghia^{1,5}, Wilhelmus J. Kwanten^{1,5}, Sven M. Francque^{1,5}</p> <p>1- Laboratory of Experimental Medicine and Paediatrics/University of Antwerp, Antwerp, Belgium 2- Laboratory of Cell Biology and Histology, University of Antwerp, Antwerp, Belgium 3- Antwerp Centre for Advanced Microscopy (ACAM), University of Antwerp, Antwerp, Belgium 4- μNEURO, Centre of Excellence, University of Antwerp, Antwerp, Belgium 5- Antwerp University Hospital, Edegem, Gastroenterology and Hepatology, Belgium 6- Inventiva Pharma, Daix, France</p>
<p>P 66</p>	<p>Scar-associated macrophages demonstrate phenotypic plasticity during the progression and regression of liver fibrosis Ravi Parhar¹, Lily Jia¹, Thomas Otto², Neil Henderson¹, Prakash Ramachandran¹</p> <p>1 - Centre for Inflammation Research, Institute for Regeneration and Repair, University of Edinburgh, Edinburgh, UK 2 - School of Infection and Immunity, College of Medical Veterinary and Life Sciences, University of Glasgow, Glasgow, UK</p>

P 67

Systemic inflammation aggravated by translocating environmental bacteria *Aquitalea Magnusonii* DNA in patients with chronic liver disease

Olaf Tyc¹⁺, Frank E. Uschner^{1,2+}, Sania Arif²⁺, Nathalie Jung³, Wenyi Gu^{1,2}, Cristina Ortiz¹, Sabine Klein^{1,2}, Sandra Torres^{1,4,5}, Nico Kraus¹, Kristian J. Pedersen⁶, Chun Kew^{7,8}, Wenbo Chen^{7,8}, Michael Rooney⁹, Hira Arif¹⁰, Nicolas Pons¹¹, Maike Windbergs³, Tony Bruns¹², Martin von Bergen^{6,13,14}, Paolina Garbeva¹⁵, Hans Zweers¹⁵, Ivan Đikić^{7,8}, Dusko Ehrlich¹¹, Christophe Junot¹⁶, Benjamin Lelouvier^{17,2}, Jonel Trebicka^{1,2,18#}, and Robert Schierwagen^{1,2#}

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14- Institute of Biochemistry, Faculty of Biosciences, Pharmacy and Psychology, University of Leipzig, Leipzig, Germany

15- Netherlands Institute of Ecology (NIOO-KNAW), Department of Microbial Ecology, PB Wageningen, The Netherlands

16- CEA, INRAE, Département Médicaments et Technologies pour la Santé (DMTS), SPI, MetaboHUB-IDF, Université Paris-Saclay, Gif-sur-Yvette, France

17- Vaiomer, Labège, France

18- European Foundation for the Study of Chronic Liver Failure, Barcelona, Spain

Abstracts selected
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P 68

ACLF metabolic markers can identify or exclude bacterial infections in acutely decompensated cirrhosis

Frederik Holz^{1*}, Sania Arif^{2*}, Wenyi Gu^{2*}, Michael Praktijn^{2*}, Frank Erhard Uschner², Maximilian Joseph Brol², Maria Papp³, Camila Alvarez-Silva⁴, Michael Kuhn⁵, Marisa Isabell Keller⁵, Wim Laleman^{2,6}, Minneke Coenraad⁷, Debbie L Shawcross⁸, Joan Claria^{9,14}, Richard Moreau^{10,14}, Peer Bork⁵, Manimozhian Arumugam⁴, Christophe Junot¹¹, Dusko Ehrlich¹², Benjamin Lelouvier¹³, Jonel Trebicka^{2,6,7#*}, Olaf Tyc^{1*}, Robert Schierwagen^{2*}

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P 69	Cellular identity preservation of primary human hepatocytes in vitro Masashi Okawa ^{1,2} , Meng Li ³ , and Takeshi Saito ^{1*} <i>1- Medicine, Division of Gastrointestinal and Liver Diseases, Keck School of Medicine, University of Southern California</i> <i>2- PhoenixBio USA, Co., Ltd.</i> <i>3- USC Libraries Bioinformatics Service, University of Southern California, CA, USA</i>
P 70	Aging reshapes the chromatin accessibility landscape of mouse liver endothelial cells Edurne Armesto-Longueira ¹ , Almudena Tello ¹ , Ana Baretino ² , Iñigo Ruiz-Polo de Lara ² , Vicente Andrés ² , Wendy Beguelin ³ , Ignacio Benedicto ^{1,2} <i>1- Centro de Investigaciones Biológicas Margarita Salas (CIB), Consejo Superior de Investigaciones Científicas (CSIC), Madrid, Spain</i> <i>2- Centro Nacional de Investigaciones Cardiovasculares (CNIC), Madrid, Spain</i> <i>3- Weill Cornell Medicine, New York, NY, USA</i>

Key dates

SYMPOSIUM:

23-26 MAY 2026

CALL FOR ABSTRACTS:

1 OCT 2025 ▶ 31 DEC 2025

NOTIFICATIONS BY 1 FEB 2026

REGISTRATION:

EARLY 1 OCT 2025 ▶ 28 February 2026

REGULAR 1 MAR 2026 ▶ 15 MAY 2026

Abstract categories

(TO BE ALLOCATED AS ORAL OR POSTER)

- ▶ Liver endothelial cells in health and disease
- ▶ Hepatic stellate cells & fibrosis
- ▶ Inflammation and immunity
- ▶ Sinusoidal cells in acute liver injury and regeneration
- ▶ Sinusoidal cells in chronic liver diseases
- ▶ Sinusoidal cells in cancer
- ▶ Sinusoidal cells crosstalk with other cells and organs
- ▶ Multidimensional analysis of the hepatic sinusoid

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