

INTERNATIONAL SOCIETY FOR HEPATIC SINUSOIDAL RESEARCH

16th International Symposium on Cells of the Hepatic Sinusoid, Florence, Italy, September 22-24, 2011

Venue: Teatro alla Pergola, Florence, Italy, Via della Pergola, 18/32 50100 Firenze, Italy

Organizing Committee

- Massimo Pinzani, Università di Firenze, Florence, Italy and Case Western Reserve University, Cleveland, OH, USA, ISHSR President 2011
- Laura Nagy, Cleveland Clinic Foundation, Cleveland, OH, USA
- Fabio Marra, Università di Firenze, Florence, Italy
- Krista Rombouts, Università di Firenze, Florence, Italy
- Maurizio Parola, Università di Torino, Turin, Italy
- Norifumi Kawada, Osaka City University, Osaka, Japan, ISHSR President Elect
- Scott L. Friedman, Mount Sinai School of Medicine, New York, NY, USA
- Hidekazu Tsukamoto, USC Keck School of Medicine, Los Angeles, CA, USA, ISHSR Past President

Sponsored by:

- International Society for Hepatic Sinusoidal Research

Co-sponsored by:

- European Association for the Study of the Liver
- American Association for the Study of Liver Diseases
- NIAAA (NIH)

Support from Industry: Pfizer, Merck & Co., Intercept Pharmaceuticals.

Symposium Administration:

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FINAL PROGRAM

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| <i>Thursday, September 22, 2011</i> | | |
| Registration 07:00-10:00 | | |
| 08:30-09:00 | Opening | |
| 09:00-11:00 | | |
| SESSION 1. Sinusoidal Cells and the regulation of hepatic inflammation | | |
| Chairs: Sophie Lotersztajn (France) and Han Moshage (The Netherlands) | | |
| 09:00-09:30 | Linking innate and adaptive immunity in the liver | Percy Knolle, Germany |
| 09:30-09:45 | Selected ORAL 1: <i>A novel role of CD147 in liver immune cell aggregation and intrahepatic inflammation</i> | Nicholas A. Shackel, Australia |
| 09:45-10:00 | Selected ORAL 2: <i>Advanced glycation end products modulate proinflammatory activity by inducing TACE activity in vitro and in vivo in a diet model of NASH</i> | Natalie J. Torok, USA |
| 10:00-10:30 | Innate immunity and liver tissue repair | Bing Gao, USA |
| 10:30-10:45 | Selected ORAL 3: <i>HCV NS3 protease mimics TGF-Beta2 and activates TGF-Beta signaling via type I receptor</i> | Soichi Kojima, Japan |
| 10:45-11:15 | | |
| | Coffee Break | |
| 11:15-13:00 | | |
| Session 2. Nuclear Receptors and liver cells | | |
| Chairs: Scott L. Friedman (USA) and Tommaso Mello (Italy) | | |
| 11:15-11:45 | Nuclear Receptors: an overview | Michael Trauner, Austria |
| 11:45-12:00 | Selected ORAL 4: <i>Activation of farnesoid x receptor (FXR) by its agonist INT-747 restores hepatic endothelial NOS activity and lowers portal pressure in cirrhotic rats by modulating the DDAH-ADMA pathway</i> | V Balasubramaniyan, UK |
| 12:00-12:15 | Selected ORAL 5: <i>The FXR activator 6-ethyl chenodeoxycholate (INT-747) is also an activator of the PXR</i> | Matthew Wright, UK |
| 12:15-12:45 | Therapeutic applications of bile acid receptor agonists | Luciano Adorini, Italy |
| 12:45-13:00 | Selected ORAL 6: <i>The orphan nuclear receptor COUP-TFII coordinates profibrogenic responses during liver fibrosis</i> | Simone Polvani, Italy |
| 13:00-14:00 | | |
| | Lunch and Poster Viewing | |

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| 14:00-16:00 Session 3. Sinusoidal cells in Alcoholic and Non-alcoholic Steatohepatitis (I) | | |
| Chairs: Sam Zakhari (USA) and Alessandra Warren (Australia) | | |
| 14:00-14:30 | Framing insulin-resistance: impact on the liver and peripheral tissues | Isabelle Leclercq, Belgium |
| 14:30-14:45 | Selected ORAL 7: <i>CCL20 as a novel mediator of inflammation and fibrosis in alcoholic hepatitis, new evidence in hepatic stellate cells</i> | Silvia Affò, Spain |
| 14:45-15:00 | Selected ORAL 8: <i>Liver dendritic cells control ethanol-induced steatosis in an acute alcoholic liver injury in mice</i> | Costica Aloman, USA |
| 15:00-15:30 | Lipotoxicity and liver sinusoidal cells | Ariel Feldstein, USA |
| 15:30-15:45 | Selected ORAL 9: <i>New insights into Concanavalin A-induced hepatitis: gut microflora, intestinal permeability, and TLR4</i> | Antony M Wheatley, Ireland/NZ |
| 15:45-16:00 | Selected ORAL 10: <i>Mice depleting natural killer t cells are more susceptible to dietary – induced steatohepatitis</i> | Kenichi Ikejima, Japan |
| 16:00-16:30 Coffee Break | | |
| 16:30-17:00 State of the Art Lecture 1 Cholangiocytes and angiogenesis. Mario Strazzabosco, Italy/ USA Introduced by Stefano Milani (Italy) | | |
| 17:00-18:00 Selected Poster Overview Chairs: Laurie DeLeve (USA) and Carol Casey (USA) | | |
| 18:00-18:30 Tutorial Lecture 1 Methods in Hepatology: MicroRNA and stellate cell. Norifumi Kawada, Japan Introduced by Alessandro Casini (Italy) | | |
| Friday, September 23, 2011 | | |
| 08:30-10:30 Session 4. Sinusoidal Cells in metabolism, portal Hypertension, Ischemia-reperfusion injury and graft preservation | | |
| Chairs: Hartmut Jaeschke (USA) and Naoki Uyama (Japan) | | |
| 08:30-09:00 | Sinusoidal endothelial cells and metabolic control | Bard Smedsrod, Norway |
| 09:00-09:15 | Selected ORAL 11: <i>The transcription factor KLF2 mediates hepatic endothelial protection conferred by statins</i> | Giusi Marrone, Spain |
| 09:15-09:30 | Selected ORAL 12: <i>Hypoxia and Oncostatin M exert motogenic stimulus on hepatic pro-fibrogenic cells through a biphasic mechanism</i> | Chiara Busletta, Italy |
| 09:30-10:00 | Hypoxia-dependent and –independent angiogenesis in chronic liver diseases | Maurizio Parola, Italy |

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| 10:00-10:15 | Selected ORAL 13: <i>Human LSECs maintain phenotypic uniqueness, appropriate profile of scavenger receptors and endocytic function in culture</i> | Cristina I. Oie, Norway |
| 10:15-10:30 | Selected ORAL 14: <i>Statins induce senescence in activated HSC and interfere with angiogenesis in liver cirrhosis with portal hypertension</i> | Jonel Trebicka, Germany |
| 10:30-11:00 | Coffee Break | |
| 11:00-12:00 | Session 5. Sinusoidal cells , inflammation and the microbiota | |
| Chairs: Fabio Marra (Italy) and Josè Macias Barragan (Mexico) | | |
| 11:00-11:30 | The microbiota in steatohepatitis | Gianluca Svegliati-Baroni, Italy |
| 11:30-11:45 | Selected ORAL 15: <i>Inflammasome-mediated caspase-1 activation in macrophage contributes to inflammation and fibrosis in diet-induced steatohepatitis</i> | Laura J. Dixon, USA |
| 11:45-12:00 | Selected ORAL 16: <i>Vascular adhesion protein-1 (VAP-1) modulates glucose and lipid uptake in non-alcoholic fatty liver disease (NAFLD)</i> | Patricia Lalor, UK |
| 12:00-12:30 | Selected Poster Overview | |
| Chairs: Krista Rombouts (Italy) and Katja Breitkopf-Heinlein (Germany) | | |
| 12:30-13:00 | Society Business Meeting | |
| 13:00-14:00 | Lunch and Poster Viewing | |
| Free afternoon in Florence (possibly cultural activities will be made available) | | |
| Saturday, September 24, 2011 | | |
| 09:00-10:30 | Session 6. Sinusoidal cells in Alcoholic and Non-alcoholic Steatohepatitis (II) | |
| Chairs: Laura Nagy (USA) and Andrea Galli (Italy) | | |
| 08:30-09:00 | Alcohol metabolism in the hepatic sinusoid and its role in liver disease | Sam Zakhari, USA |
| 09:00-09:15 | Selected ORAL 17: <i>The cannabinoid CB2 receptor exerts anti-inflammatory effects in Kupffer cells during alcoholic liver disease via a Heme oxygenase-1 dependent mechanism</i> | Fatima Teixeira-Clerc, France |
| 09:15-09:45 | Ethanol and signaling modulation in liver | Gyongi Szabo, USA |

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| | non parenchymal cells | |
| 09:45-10:00 | Selected ORAL 18: <i>Protective effects of adenosine and adenosine signaling in ethanol-induced liver injury</i> | Michele Pritchard, USA |
| 10:00-10:30 | "Second hit" or Multiple Hits models of alcoholic liver disease | Hidekazu Tsukamoto, USA |
| 10:30-11:00 | Coffee Break | |
| 11:00-11:30 State of the Art Lecture 2 The functional role of chemokines in different CLD: focus on sinusoidal cells. Herman Wasmuth, Germany Introduced by Massimo Pinzani (Italy) | | |
| 11:30-12:30 Session 7. Nanotechnologies and advanced therapeutics Chairs: Derek Mann (UK) and Jorge Gracia-Sancho (Spain) | | |
| 11:30-12:00 | The clinical potential of sphingolipid-based therapeutics | Mark Kester, USA |
| 12:00-12:30 | Targeted drug delivery | Klaas Poelstra, The Netherlands |
| 12:30-12:45 | Selected ORAL 19: <i>S-adenosylmethionine regulates Ubiquitin-conjugating enzyme 9 expression and Sumoylation: implication in hepatocarcinogenesis and treatment</i> | Maria Lauda Tomasi, USA |
| 12:45-14:00 | Lunch and Poster Viewing | |
| 14:00-14:30 Tutorial Lecture 2 Methods in Hepatology: Angiogenesis. David Semela, Switzerland Introduced by Scott Friedman (USA) | | |
| 14:30-16:30 Session 8. The role of sinusoidal cells (liver stroma) in primary and metastatic liver cancer Chairs: Lucio Luzzatto (Italy) and Vinicio Carloni (Italy) | | |
| 14:30-14:45 | Selected ORAL 20: <i>From NAFLD to HCC : the role of fibrosis as a cofactor in a new mouse model</i> | Samuele De Minicis S, Italy |
| 14:45-15:15 | Liver cancer stem cells and the stem cell niche | Tania Roskams, Belgium |
| 15:15-15:30 | Selected ORAL 21: <i>Promotion of liver and lung tumorigenesis in DEN-treated cytoglobin-deficient mice</i> | Le Thi Than Thuy, Japan |
| 15:30-15:45 | Selected ORAL 22: <i>New tumour-immune-suppression mediated by liver sinusoidal endothelial cells</i> | Bastian Hoechst, Germany |
| 15:45-16:15 | Inflammation and liver cancer: new | Matias Avila, Spain |

| | molecular links | |
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| 16:15-16:30 | Selected ORAL 23: <i>Frequent autologous bone marrow cell infusions promote liver regeneration and suppress tumor-initiation in hepatocarcinogenic mice with liver cirrhosis</i> | Takami Taro , Japan |
| 16:30-17:00 | | |
| Meeting conclusions and wrap-up (Marco Foschi Prize for Research in GI Oncology): Massimo Pinzani and Lucio Luzzatto (Italy) | | |