

15th ISCHS Program

Hilton Hotel Pasadena, Pasadena, California, U.S.A.

- 16:00-19:00 **Registration (Pasadena Hilton, International Foyer, next to International Ballroom)**
18:00-20:30 **Welcome reception with music and songs at the Pasadena City Hall (business casual attire)**
19:45-20:00 **Welcoming Remarks by Pasadena Mayor Bill Bogaard**

Sunday, August 29, 2010

- 7:00 – 8:30 **Breakfast (San Gabriel Room)**
7:30-10:00 **Registration (Pasadena Hilton, International Foyer, next to International Ballroom)**
8:30-8:45 Opening remarks by Hide Tsukamoto

Session I Steatohepatitis-I (Oral abstracts 1 – 5) (International Ballroom)

Chaired by Ramon Bataller (Spain) and Hartmut Jaeschke (USA)

- 8:45-9:10 Anna Mae Diehl (USA), "Tissue remodeling in NASH progression"
9:10-9:30 Andrew M. Miller (USA), "Dissociation between steatosis and inflammation in alcoholic and nonalcoholic fatty liver in IL-10-deficient mice: protective role of IL-6/STAT3"
9:30-9:50 Ekihiro Seki (USA), "TLR4 mediates alcohol liver injury and fibrogenesis through Kupffer cells and stellate cells"
9:50-10:10 Fatima Teixeira-Clerc (France), "Cannabinoid receptor 2 protects from alcoholic liver disease by promoting Kupffer cell polarization toward an anti-inflammatory phenotype"
10:10-10:30 Laura E. Nagy (USA), "Macrophage migration inhibitory factor (MIF) contributes to chronic ethanol-induced liver injury in mice"
10:30-10:50 **Coffee Break (Skylight Arcade)**
10:50-11:30 **State of the Art Lecture-I**
Moderated by Neil Kaplowitz (USA)

Michael L. Dustin, New York University School of Medicine, New York
"Distinct migratory behavior of antigen specific liver CD8 T cells underlies response to *Listeria monocytogenes*"

Session II Steatohepatitis-II (Oral abstracts 6 – 12) (International Ballroom)

Chaired by Sophie Lotersztajn (France) and Craig McClain (USA)

- 11:30-11:50 Cheng Ji (USA), "Liver specific deletion of GRP78 aggravates a spectrum of acute and chronic stress-induced liver injury"
11:50-12:10 Ramon Bataller (Spain), "Human and experimental evidence supporting a role for osteopontin in the pathogenesis of alcoholic liver disease"

- 12:10-13:40 **Lunch (San Gabriel Room) and Poster Presentations - 1 thru 49 (California Ballroom)**
- 13:40-14:00 Joan Clària (Spain), “Disruption of the arachidonate lipoxygenase *ALOX5* and *ALOX15* genes protects hyperlipidemic mice from steatohepatitis” 14:00-14:20 Bruce N. Cronstein (USA), “Adenosine A₁ and A_{2B} receptors play a role in fructose-induced fatty liver”
- 14:20-14:40 Tomonori Aoyama (USA), “CX3CR1 on Kupffer cells suppresses toxin-induced liver inflammation and fibrosis”
- 14:40-15:00 Kenichi Ikejima (Japan), “Contribution of CD1d-restricted natural killer T cells to xenobiotics-induced hepatic inflammation and fibrogenesis in mice”
- 15:00-15:20 Nicolas Lanthier (Belgium), “Cross-talk between Kupffer cells and adipose tissue in the pathogenesis of insulin resistance”
- 15:20-15:40 **Coffee Break (Skylight Arcade)**

Session III Hepatic Stellate Cell Biology (Oral abstracts 13 – 19) (International Ballroom)

Chaired by Hide Tsukamoto (USA) and Dieter Häussinger (Germany)

- 15:40-16:10 **A Tribute to Professor Albert Geerts:**
Scott Friedman (USA), “Evolving mysteries of the hepatic stellate cell”
- 16:10-16:30 Tatiana Kisseleva (USA), “Genetic labeling does not detect mesenchymal-to-epithelial transition (MET) of Hepatic stellate cells in response to fibrogenic liver injury in mice”
- 16:30-16:50 Lina Lu (USA), “Hepatic stellate cells exert immune regulatory activity via induction of myeloid-derived suppressor cells (MDSC)”
- 16:50-17:10 Roland Reinehr (Germany), “Bile acid-induced EGFR activation in quiescent hepatic stellate cells can trigger both proliferation and apoptosis”
- 17:10-17:30 Chuansheng Wang (USA), “Identification and characterization of cd45⁺ human hepatic stellate cells”
- 17:30-17:50 Fabio Marra (Italy), “The mammalian target of rapamycin mediates the angiogenic and chemotactic effects of leptin in human hepatic stellate cells”
- 17:50-18:10 Norifumi Kawada (Japan), “Update of cytoglobin, the newest member of globin, that was discovered from the stellate cell”

Monday, August 30, 2010

Session IV Innovative Therapeutic Targets of Liver Fibrosis-I (Oral abstracts 20 – 24) (International Ballroom)

Chaired by Massimo Pinzani (Italy) and Norifumi Kawada (Japan)

- 8:30-8:55 Derek Mann (UK), "Targeting the constitutive NF-kB activities of liver myofibroblasts to stimulate therapeutic regression of fibrosis"
- 8:55-9:15 Klaas Poelstra (The Netherlands), “Liver specific delivery of antifibrotic compounds”

- 9:15-9:35 Yoshiro Niitsu (Japan), “Reversal of liver fibrosis with A-liposome siRNAHSP47 targeting hepatic stellate cells”
- 9:35-9:55 Hide Tsukamoto (USA), “Crosstalk among morphogens in hepatic stellate cell fate regulation”
- 9:55-10:15 Krista Rombouts (Italy), “Myristoylated Alanine rich protein kinase C substrate (MARCKS), Aurora B kinase (AUBK) and actin, are fundamental key players during mitosis in human hepatic stellate cells (hHSC)”
- 10:15-10:35 **Coffee Break (Skylight Arcade)**
- Session V Innovative Therapeutic Targets of Liver Fibrosis-II (Oral abstracts 25 – 29) (International Ballroom)**
- Chaired by Fabio Marra (Italy) and Grant Ramm (Australia)
- 10:35-11:00 David Brenner (USA), “Where do myofibroblasts come from?”
- 11:00-11:20 Isao Sakaida (Japan), “Effect of the splenectomy on autologous bone marrow cell infusion (ABMi) therapy for liver cirrhosis – basic research and clinical trail”
- 11:20-11:40 Elisabetta Mormone (USA), “Fibromodulin, a novel factor modulating collagen I deposition in liver fibrosis”
- 11:40-12:00 Massimo Pinzani (Italy), “Molecular insights in the anti-fibrogenic action of pirfenidone, an anti-oxidant and anti-inflammatory agent”
- 12:00-12:20 Steven Dooley (Germany), “Notch signalling mediates fibrogenesis in the liver”
- 12:20-13:50 **Lunch (San Gabriel Room) and Poster Presentations - 1 thru 49 (California Ballroom)**
- 13:50-14:30 **State of the Art Lecture-II**
Moderated by Henry Sucov (USA)
- Randall Moon, University of Washington, Seattle**
“Wnt signaling in regeneration and regenerative medicine”
- Session VI Progenitor Cells, Liver Development and Regeneration-I (Oral abstracts 30 – 32) (International Ballroom)**
- Chaired by Neil Theise (USA) and Lola M. Reid (USA)
- 14:30-14:55 Atsushi Miyajima (Japan), “Roles of mesenchymal cells in liver development and regeneration”
- 14:55-15:15 Kinji Asahina (USA), “Mesothelial/submesothelial cells give rise to hepatic stellate cells in mouse liver development”
- 15:15-15:35 Dieter Häussinger (Germany), “Stellate cells in the space of Dissé: Stem cells in their niche”
- 15:35-15:55 Coffee Break (Skylight Arcade)
- Session VII Progenitor Cells, Liver Development and Regeneration-II (Oral abstracts 33 – 37) (International Ballroom)**

Chaired by Laurie DeLeve (USA) and Kinji Asahina (USA)

- 15:55-16:20 Yuji Yokouchi (Japan), “Liver bud–blood vessel interactions during chick liver development”
- 16:20-16:40 Lola Reid (USA), “Multipotent stem/progenitor cells in human extrahepatic biliary tree give rise to hepatocytes, cholangiocytes and pancreatic islets”
- 16:40-17:00 Shi Yin (USA), “Activation of natural killer T cells inhibits liver regeneration after partial hepatectomy via an IFN-gamma/STAT1 signaling pathway-dependent manner”
- 17:00-17:20 Kenjiro Wake (Japan), “Morphological evidence for differentiation from circulation angioblasts to sinusoidal and vascular endothelial cells in the chick embryo”
- 17:20-17:40 Lin Wang (USA), “Liver regeneration requires bone marrow derived liver sinusoidal endothelial cell progenitor cells (SPC)”

Poster Session I - Days 1 & 2 (California Ballroom)

Sunday, August 29 - poster presentations at 12:10-13:40

Monday, August 30 – poster presentations at 12:20-13:50

Posters may also be viewed during the morning and afternoon coffee break periods.

***Please note that names listed are those of the poster presenters.**

Steatohepatitis – Alcoholic Liver Disease

- P-1 Fawzia Bardag-Gorce (USA), “Proteasome inhibitor treatment reduces hepatic steatosis by decreasing lipogenic enzymes gene expression”
- P-2 Carol A. Casey (USA), “Ethanol-induced accumulation of cellular fibronectin can lead to changes in hepatocytes and Kupffer cells which contribute to liver injury”
- P-3 Samuel W. French (USA), “The switch from the 26s proteasome to the immunoproteasome leads to mallory-denk body formation”
- P-4 Tung-Ming Leung (USA), “Argininosuccinate synthase and alcoholic liver disease”
- P-5 Oygi Park (USA), “Interleukin-22 treatment ameliorates alcoholic liver injury in mice: Role of STAT3”
- P-6 Jun Xu (USA), “Proinflammatory macrophage activation and steatohepatitis are synergized by alcohol and moderate obesity in mice”
- P-7 Rohit Loomba (USA), “Obesity and alcohol are multiplicative in increasing the task of hepatocellular carcinoma: A prospective cohort study”

Steatohepatitis – NASH

- P-8 Hideki Fujii, (Japan), “A protective role of macrophage scavenger receptor A against the progression of dietary steatohepatitis in mice”
- P-9 Kengathevy Morgan (USA), “Betaine improves nonalcoholic fatty liver and associated hepatic insulin resistance: a potential mechanism for hepatoprotection by betaine”
- P-10 Ekihiro Seki (USA), “TLR9-mediated IL-1 induces steatohepatitis and fibrosis”
- P-11 Terumi Takahara (Japan), “Lipopolysaccharide triggered TNF- α -induced hepatocyte apoptosis in a murine non-alcoholic steatohepatitis model”
- P-12 Hironori Tanaka (Japan), “What is the reason of the decrease in signal intensity level in Kupffer image of contrast enhanced ultrasonography in non-alcoholic steatohepatitis?”
- P-13 Takato Ueno (Japan), “Green tea catechin improves steatohepatitis in transgenic mice overexpressing nSREBP-1c in adipose tissue”
- P-14 Qifa Xie (USA), “Dietary factors enhance T cell-mediated hepatitis and gut permeability in a mouse model of nonalcoholic fatty liver disease”
- P-15 Hisafumi Yamagata (Japan), “Impaired hepatic innate immune responses involving NKT cells in obese diabetic KK-A^y mice”

Steatohepatitis – Hepatotoxicity, Inflammation and Innate Immunity

- P-16 Tadayuki Ikeda (Japan), “Pro-inflammatory activity of HMGB1 and inhibitory effect of glycyrrhizin in the rat liver intoxicated with carbon tetrachloride”
- P-17 Cynthia Ju (USA), “Lactoferrin protects against acetaminophen-induced liver injury in mice”
- P-18 Yasuaki Kabe (Japan), “Mining the CO-sensing receptors by affinity nano-beads”
- P-19 Nam-Sung Kang (Korea), “Study of the hepatotoxicity via toll-like receptor 4 signaling induced by alginate : a potential role of Ikaros”
- P-20 Hiroki Kawamura (Japan), “Extracellular ATP-activated macrophages aggravate concanavalin A-induced liver injury in mice”
- P-21 Woo-Yong Lee (Canada), “Intravascular immunity to bacteremia: invariant NKT cell-Kupffer cell interaction”
- P-22 Palash Mandal (USA), “Differential mechanisms for the anti-inflammatory effects of globular and full-length adiponectin in both Kupffer cells and RAW 264.7 macrophages”
- P-23 Christoph Meyer (Germany), “Mathematical modeling of liver damage with impact on hepatocyte regeneration and liver fibrogenesis”
- P-24 Ogyi Park (USA), “Diverse roles of invariant natural killer T cells in liver injury and fibrosis induced by carbon tetrachloride”
- P-25 Rebeca Pérez-Cabeza de Vaca, (México), “Role of Kupffer cells on an experimental rat model of carbon tetrachloride-induced cirrhosis”
- P-26 Tetsuji Sato (Japan), “Blockade of hmgb1 by glycyrrhizin attenuates lipopolysaccharide/ galactosamine-induced injury to the liver in mice”
- P-27 Karen Wallace (UK), “The PXR is a drug target for chronic inflammatory liver disease”
- P-28 C. David Williams (USA) “Influence of IL-1 β signaling on neutrophil recruitment during acetaminophen hepatotoxicity”
- P-29 Jun Wu (China), “NOD1 and NOD2 signaling enhance TLR-dependent innate immunity response of murine parenchymal and nonparenchymal liver cells”

Hepatic Stellate Cell Biology

- P-30 Colleen Croniger (USA), “Genetic contribution to liver fibrosis”
- P-31 Steven Dooley (Germany), “Impact of the Smad-1/5/8 signal transduction pathway on activation of hepatic stellate cells”
- P-32 Allah B. Haafiz (USA), “Expression pattern of CD68-positive vs. fibrogenic α -SMA-positive cells in advanced liver fibrosis due to biliary atresia”
- P-33 Yuan-Ping Han (USA), “How hepatic stellate cells sense injury signals in 3D ECM”
- P-34 Stephen Hill (UK), “A soluble factor released from liver myofibroblasts activates monocyte NF- κ B *in vitro*”

- P-35 Joy Jiang, (USA) “Hepatocyte apoptosis directly induces profibrogenic responses *in vivo*”
- P-36 Aritz Lopategi (USA), “Osteopontin, a cytokine induced in liver injury, contributes to the fibrogenic response of hepatic stellate cells via integrin $\alpha\text{v}\beta\text{3}$ and PI3K/pAkt pathway”
- P-37 Ricardo Marcos (Portugal), “Influence of age and sex in the number and ultrastructure of the rat hepatic stellate cells: preliminary data”
- P-38 Fabio Marra (Italy), “Myostatin: A novel modulator of hepatic stellate cell biology”
- P-39 Yoshihiro Mezaki (Japan), “Elevated expression of TGF- β3 mRNA in carbon tetrachloride-treated rat liver”
- P-40 Hiroyuki Motoyama (Japan), “Cytoglobin is a sensitive marker of stellate cells in normal and fibrotic human liver”
- P-41 Shiguang Qian (USA), “Liver stellate cells play an important role in regulating immune response”
- P-42 Komal Ramani (USA), “Expression of glutathione synthetic enzymes during hepatic stellate cell activation and differentiation”
- P-43 Richard G. Ruddel (USA), “The potential role of the hepatic stellate cell in iron homeostasis”
- P-44 Ming Song (USA), “Copper deficiency exacerbates bile duct ligation-induced liver fibrosis in rats”
- P-45 Juan Antonio Suárez-Cuenca (Mexico), “ β -catenin-, but not α -SMA-expressing cells, are associated with portal hypertension in chronic alcohol liver disease in humans.
- P-46 Gabriela Velasco-Loyden (USA). “The adenosine derivative compound IFC305 inhibits *in vitro* hepatic stellate cell activation”
- P-47 Alessandra Warren (Australia), “Old age is associated with hyperplasia of quiescent hepatic stellate cells with increased lipid droplets”
- P-48 Kiwamu Yoshikawa (Japan), “ADRP and TIP47 are involved in the formation of vitamin A-rich lipid droplets in hepatic stellate cells”
- P-49 Pawel Stachowiak (Netherlands), “Role of lipid droplets in hepatic stellate cell activation”

Tuesday, August 31, 2010

7:00 – 8:30 **Breakfast (San Gabriel Room)**

7:30-12:00 **Registration desk open (Pasadena Hilton, International Foyer, next to International Ballroom)**

Session VIII Progenitor Cells, Liver Development and Regeneration –III (Oral abstracts 38 – 42) (International Ballroom)

Chaired by Isabelle A. Leclercq (Belgium) and Samir Zakhari (USA)

8:30-8:55 Jose M. Péres-Pomares (Spain), “Wilms tumor gene (Wt1) is a critical regulator of liver mesothelial contribution to embryonic hepatic sinusoids”

8:55-9:15 Stacey S. Huppert (USA), “Notch signaling is required to maintain an intact intrahepatic bile duct network in mice”

9:15-9:35 Neil D. Theise (USA), “Epithelial cell adhesion molecule (EpCAM) marks hepatocytes newly derived from stem/progenitor cells in humans”

9:35-9:55 Toru Nakamura (Japan), “Human peripheral blood CD34-positive cells exhibit increased potency for therapeutic hepatic regeneration in carbon tetrachloride-induced hepatic fibrosis model nude rats”

9:55-10:15 Andrew Cox (USA), “Nitric oxide signaling regulates liver development in zebrafish”

10:15-10:55 **State of the Art Lecture-III**
Moderated by Martin Pera (USA)

Didier Stainier, University of California, San Francisco
“Cell-cell interactions in the developing zebrafish liver”

10:55-11:30 **Society Business Meeting – (International Ballroom)**

11:30-12:10 **Poster Presentations – 50 thru 95 (California Ballroom) with light snacks (Skylight Arcade)**

12:30-22:30 **Excursion to Getty Center and Memorable Evening by Malibu Beach (casual attire)**

Wednesday, September 1, 2010

7:00 – 8:30 **Breakfast (San Gabriel Room)**

7:30-17:25 **Registration desk open (Pasadena Hilton, International Foyer, next to International Ballroom)**

Session IX Liver Sinusoidal Endothelial Cells-I (Oral abstracts 43 – 47) (International Ballroom)

Chaired by Eddie Wisse (Belgium) and Vijay Kalra (USA)

8:45-9:10 Paul Kubes (Canada), “Responses to pathogens and sterile injury in the liver microcirculation”

9:10-9:30 Clark L. Anderson (USA), “Role of liver sinusoidal endothelial cells in clearing virus from blood”

9:30-9:50 Guanhua Xie (USA), “Acceleration of resolution of cirrhosis by normalization of liver sinusoidal endothelial cell (LSEC) phenotype through the cGMP signaling pathway”

- 9:50-10:10 Cyrill Géraud (Germany), “Liver sinusoidal endothelium: a microenvironment dependent differentiation program in rat including the novel junctional protein Leda-1”
- 10:10-10:30 Ruomei Li (Norway), “Role of liver sinusoidal endothelial cells and stabilins in elimination of oxidized low density lipoproteins”
- 10:30-11:10 **State of the Art Lecture-IV**
Moderated by Peter Jones (USA)
- William G. Kaelin, Harvard Medical School, Boston**
“Oxygen sensing and disease: Lessons from the VHL tumor suppressor protein”
- 11:10-12:40 **Lunch (San Gabriel Room) and Poster Presentations – 50 thru 95 (California Ballroom)**
- Session X Liver Sinusoidal Endothelial Cells- II (Oral abstracts 48 – 50) (International Ballroom)**
- Chaired by Robert McCuskey (USA) and David G. Le Couteur (Australia)
- 12:40-13:10 **A Tribute to Professor Hiromasa Ishii**
Makoto Suematsu, (Japan)
“Mining gas-responsive regulators of metabolic systems through advanced mass spectrometry”
- 13:10-13:30 Vijay K. Kalra (USA), “Ethanol–HIF-1 α - micro RNAs (miRs) axis in inflammation in hepatic sinusoidal endothelial cells”
- 13:30-13:50 Sarah J Mitchell (Australia), “Age-related loss of fenestrations impairs hepatic uptake of the water soluble substrate acetaminophen”
- 13:50-14:30 **State of the Art Lecture-V**
Moderated by Derek Mann (UK)
- Michael Karin, University of California, San Diego**
“Inflammation and metabolism in liver tumorigenesis”
- Session XI Cancer Biology (Oral abstracts 51 – 55) (International Ballroom)**
- Chaired by Fernando Vidal-Vanaclocha (Spain) and Keigo Machida (USA)
- 14:30-14:50 Keigo Machida (USA), “Defective TGF- β signaling and excessive TLR4-Nanog stemness pathway are linked in cancer stem cells through *Yap1* and *Igf2bp3*”
- 14:50-15:10 Sayaka Inokuchi (USA), “TNF receptor signaling and Toll-like receptor signaling 4 mediate hepatic injury, inflammation, fibrosis and carcinogenesis in hepatocyte-specific TAK1-deficient mice”
- 15:10-15:30 **Coffee Break (Skylight Arcade)**
- 15:30-15:50 Fernando Vidal-Vanaclocha (Spain), “Contribution of sinusoidal cells to the tumor microenvironment at different stages of the hepatic metastasis process”
- 15:50-16:10 Elvira Olosa (Spain), “Discoidin Domain Receptor 2 deficiency predisposes hepatic tissue to colon carcinoma metastasis”
- 16:10-16:30 Pnina Brodt (Canada), “Distinct and gender-specific roles of the TNF receptors in liver metastasis”

Session XII Comparative Anatomy and Evolutional Biology (Oral abstracts 56 – 57) (International Ballroom)

Chaired by Kenjiro Wake (Japan) and Bård Smedsrød (Norway)

- 16:30-16:55 Bård Smedsrød, “Scavenger endothelial cells in the vertebrate kingdom”
- 16:55-17:15 Haruki Senoo (Japan), “Capacity of vitamin A storage in the hepatic stellate cells-Comparison between free-living polar bears and a polar bear kept in a zoo”
- 17:15-17:25 Closing Remarks by Hartmut Jaeschke
- 19:00-22:00 **Banquet at Walt Disney Concert Hall (Cocktail attire)**

Poster Session II - Days 3 & 4 (California Ballroom)

Tuesday, August 31 - poster presentations at 11:30-12:10

Wednesday, September 1 – poster presentations at 11:10 – 12:40

Posters may also be viewed during the morning and afternoon coffee break periods.

*Please note that names listed are those of the poster presenters.

Innovative Therapeutic Targets of Liver Fibrosis

- P-50 Leila Gobejishvili (USA), “Critical role of phosphodiesterase 4 isozymes in cholestatic liver injury and fibrosis”
- P-51 Reiichi Higashiyama (Japan), “Matrix metalloproteinase-13 enhances migration of bone marrow-derived cells and contributes to the repair of experimental liver fibrosis”
- P-52 Guangcun Huang (USA), “HB-EGF gene knockout exacerbates liver fibrosis in mice”
- P-53 Keiko Iwaisako (USA), “A specific peroxisome proliferator-activated receptor (PPAR)-delta agonist attenuates liver fibrogenesis”
- P-54 Soichi Kojima (Japan), “Detection of LAP degradates: A novel biomarker of TGF- β activation reflecting liver fibrogenesis”
- P-55 Grant A. Ramm (Australia), “Tumour necrosis factor-like weak inducer of apoptosis and lymphotoxin β are key regulators of the wound healing response to chronic liver injury”
- P-56 Yumiko Sekiya (Japan), “Type I interferon inhibits hepatic stellate cell proliferation via downregulation of cyclin E1 by microRNA-195”
- P-57 Taro Takami (Japan), “Autologous bone marrow cell infusions do not promote *N*-nitrosodiethylamine -induced hepatocarcinogenesis in carbon tetrachloride-treated liver cirrhosis mice”
- P-58 Naoki Yamamoto (Japan), “The electron microscopical analysis for cell lineage of bone marrow cell differentiation in cirrhosis mice”
- P-59 Melissa Yang (USA), “PPAR γ epigenetic de-repression and restoration of stellate cell quiescence are achieved by rosmarinic acid via induction of miR132-miR137 network and suppression of MeCP2 and EZH2”
- P-60 Mujdat Zeybel (UK), “DZNep attenuates liver fibrosis by blocking EZH2 in vivo”

Progenitor Cells, Development and Regeneration

- P-61 Kristen Alexa (USA), “The role of Vitamin D in liver formation and regeneration”
- P-62 Andrew Axon (UK), “Estrogen treatment increases the rate of proliferation of cells cultures which originate from a liver progenitor cell present in the biliary structure”
- P-63 Steven Dooley (Germany), “IFN- γ inhibits hepatic progenitor cell activation in chronic liver damage”
- P-64 Steven Dooley (Germany), “TGF- β signaling mediates hepatic progenitor cell activation in HBV-, but not Schistosomiasis-associated liver damage”

- P-65 Ange-Clarisse Dusabineza (Belgium), “Assessment of hepatic function recovery mediated by liver progenitor cell in 2-AAF/PH rat model”
- P-66 Regina Español (Belgium), “Liver progenitor cell expansion in the diseased liver: Do associated myofibroblasts derive from progenitor cells?”
- P-67 Emma A. Fairhall (UK), “Myofibroblasts modulate the differentiation of hepatic progenitor cells *in vitro*”
- P-68 Kouichi Hasegawa (USA), “GCTM-5: a new marker and isolation tool for adult hepatic stem cells”
- P-69 Yoshiya Ito (Japan), “Vascular endothelial growth factor receptor-1 tyrosine kinase signaling hepatic repair and regeneration after acetaminophen-induced liver injury”
- P-70 Tomokazu Matsuura (Japan), “Transplantation of liver organoids in the omentum and kidney”
- P-71 Mayako Morii (Japan), “Apoptosis in the biliary epithelial cells during metamorphosis of a Japanese lamprey - model system for the human biliary atresia?”
- P-72 Michele T. Pritchard (USA), “Chronic carbon tetrachloride exposure induces robust oval cell activation in early growth response (Egr)-1-deficient mice: role of attenuated hepatocyte division”
- P-73 Chise Tatenno (Japan), “Reduced susceptibility of human hepatocyte-repopulated chimeric mice to TNF α -mediated hepatocellular apoptosis with LPS-sensitization”
- P-74 Noemi Van Hul (Belgium), “Liver progenitor cell expansion in the injured mouse liver: do Kupffer cells play a role?”
- P-75 Karen Wallace (UK), “The trans-differentiation of pancreatic acinar cells into hepatocytes is mediated by a suppression of WNT signaling”

Liver Sinusoidal Endothelial Cells

- P-76 Rupa Shree Appa (Denmark), “Clearance of human factor VIIa in rat liver”
- P-77 Robin Fraser (New Zealand), “The liver sieve and other barriers to vectors transporting genetic manipulates to hepatocytes”
- P-78 David G. Le Couteur (Australia), “Three dimensional, structured illumination microscopy of liver sinusoidal endothelial cell fenestrations”
- P-79 Ivana Malovic (Norway), “Nidogen is a physiological ligand for the scavenger receptors in liver endothelial cells”
- P-80 Montserrat Martin-Armas (Norway), “Role of liver clearance in the transfer of feed-derived DNA to different tissues”
- P-81 Aisling C McMahon (Sydney), “Effect of a novel antioxidant compound on abnormal fenestrations in the diabetic liver”
- P-82 Cristina Ionica Øie (Norway), “Rat liver sinusoidal endothelial cells (LSECs) express functional low density lipoprotein receptor-related protein-1 (LRP-1)”
- P-83 Ana Oteiza (Norway), “Effects of oxidized low-density lipoproteins on the hepatic microvasculature”
- P-84 Sugiru Pak (Japan), “Identification of the interaction between platelets and sinusoidal endothelial cells after ischemia reperfusion”

- P-85 Leela L. Paris (USA), “The role of liver sinusoidal endothelial cells in thrombocytopenia that occurs during liver xenotransplantation”
- P-86 Karen Kristine Sorensen (Norway), “Endocytic activity of liver sinusoidal endothelial cells in aging”
- P-87 Samantha M. Yeligar (USA), “Ethanol-induced expression of ET-1 and ET-BR in liver sinusoidal endothelial cells and human endothelial cells involves hypoxia-inducible factor-1 α and miRNA-199”

Cancer Biology

- P-88 Nigel Bird (UK), “Evidences of a protease-independent invasion mechanism in colon cancer liver metastases with “pushing” growth pattern”
- P-89 Matthew C. Cave (USA), “Biomarkers for hepatic hemangiosarcoma”
- P-90 Matthew C. Cave (USA), “Vinyl chloride-induced hepatic hemangiosarcoma: The Louisville experience”
- P-91 Douglas E. Feldman (USA), “Leptin signaling to liver cancer stem cells links obesity to tumor growth”
- P-92 Koichi Fujisawa (Japan), “Expression of Zebrafish homologue of Maid (ZHM) in liver tumors induced by DEN”
- P-93 Jian-Chang Liu (USA), “The role of hepatic stellate cells of liver cancer stem cell niche in liver tumor growth”
- P-94 Hua Wang (USA), “Coordination of hepatic and myeloid STAT3 in governing liver carcinogenesis and regeneration”
- P-95 Shuping Zhong (USA), “A novel class of genes targeted by alcohol-induced response”

Late-Breaking Posters

- LBA-1 Dmitri Svistouonov (UK), “Gene expression profile in LSEC from young and middle aged mice with Werner syndrome”
- LBA-2 Ray Chihara (USA), “Porcine Liver Sinusoidal Endothelial Cell Proteome – Identification of Antigens Relevant to Xenotransplantation”