

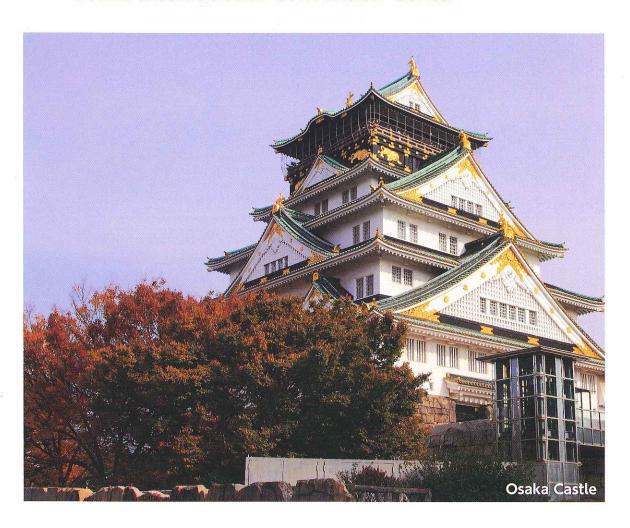
International Society for Hepatic Sinusoidal Research

17th International Symposium on Cells of the Hepatic Sinusoid

8.

Hepatic Sinusoidal Research Japan 27th Annual Meeting for Hepatic Sinusoidal Research Japan

Osaka, Japan, September 23-25, 2013 Osaka International Convention Center



Co-sponsored by

- NIAAA/NIH
- The Uehara Memorial Foundation
- The Southern California Research Center for ALPD & Cirrhosis

http://rgsv.net/ischs17/

Program Day 1 (September 23, 2013)

16:00-18:00	Registration		
17:50-18:00	Opening Note	Norifumi Kawada, President, Japan	
18:00-18:20	Opening Lecture: Memory and interest of one old Japanese Hepatologist	Kyuichi Tanikawa, Japan Chair: Sumio Watanabe, Japan	P.23
18:20-19:55			
Session 1: Stellate Cell and Fibrosis 1 Chairs: Massimo Pinzani (University College London, UK) and Takato Ueno (Asakura Medical Association Hospital, Japan)			
18:20-18:40	Tutorla Talk 1: Anatomical aspect of stellate cell biology	Kenjiro Wake, Japan	P.24
18:40-18:55	Invited Talk 1: Mesothelial-mesenchymal transition in liver development and fibrosis	Kinji Asahina, USA	P.31
18:55-19:10	Invited Talk 2: Myofibroblast sub-populations in the liver	Chantal Housset, France	P.32
19:10-19:25	Selected ORAL 1: Cell-specific PPAR? deficiency establishes antiinflammatory and antifibrogenic properties for this nuclear receptor in non-parenchymal liver cells	Eva Moran, Spain	P.54
19:25-19:40	Selected ORAL 2: Retinoid regulation of hepatic antiviral innate immunity	Takeshi Saito, USA	P.55
19:40-19:55	Selected ORAL 3: Toll-Like Receptor 7-Type I IFN signaling axis inhibits cholestasis- and hepatotoxin-induced liver fibrosis through induction of IL-1receptor antagonist	Yoon Seok Noh, USA	P.56
20:00-21:00	Welcome Reception		

Program Day 2 (September 24, 2013)

8:00-8:45	Morning Seminar 1 (Co-sponsored by Mitsubishi Tanabe Pharma Corporation) Matrix, myofibroblasts and macrophages: players in bidirectional fibrosis	John Iredale, UK Chair: Kazuhide Yamamoto, Japan	P.46
8:45-9:00	Break		
Chairs: Laurie	Stellate Cell and Fibrosis 2 DeLeve (University of Southern California, USA) Denoo (Akita University, Japan)	l	
9:00-9:20	Tutorial Talk 2: Facts and wonders of hepatic stellate cells	Hide Tsukamoto, USA	P.25
9:20-9:40	Tutorial Talk 3: Cannabinoid receptors as antifibrogenic targets during chronic liver disease: Novel insights	Sophie Lotersztajn, France	P.26
9:40-9:55	Invited Talk 3: Nogo-B (Reticulon 4B): a novel regulator of liver fibrosis and portal hypertension	Yasuko lwakiri, USA	P.33
9:55-10:10	Invited Talk 4: Steering cytokines to modulate fibrogenesis	Klaas Poelstra, The Netherlands	P.34
10:10-10:25	Selected ORAL 4: Reduced angiogenesis and fibrosis in the liver of transglutaminase 2-deficient mice after bile duct ligation	Yutaka Furutani, Japan	P.57
10:25-10:40	Selected ORAL 5: Levistilide A inhibited liver fibrosis and angiogenesis in vivo and in vitro	Zhimin Zhao, China	P.58
10:40-11:00	Coffee Break		
Chairs: John	Communications "Fibrosis in Extrahepatic (Iredale (University of Edinburgh, UK) akahara (University of Toyama, Japan)	Organs"	
11:00-11:25	Lung: Role of TGF-b1, IL-13, and inflammatory mediators in mouse models of pulmonary fibrosis	Thomas A. Wynn, USA	P.43
11:25-11:45	Kidney: Origin and function of scar-forming cells in the kidney	Motoko Yanagita, Japan	P.44
11:45-12:05	Pancreas: Pancreatic stellate cells -multi-functional cells in the pancreas-	Atsushi Masamune, Japan	P.45
12:05-12:15	Break		

Program Day 2 (September 24, 2013)

12:15-13:00	Luncheon Seminar 1 (Co-sponsored by MSD K.K.) How our knowledge on liver fibrogenesis can improve the clinical management of chronic liver disease?	Massimo Pinzani , UK Chair: Norifumi Kawada, Japan	P.48
	Luncheon Seminar 2 (in Japanese) (Co-sponsored by Toray Medical Co., Ltd./ Toray Industries, Inc.) Acute liver failure in Japan -definition, classification and prediction of the outcome- (Room 1101-1102)	Satoshi Mochida, Japan Chair: Shigeki Aril, Japan	P.49
13:00-15:00	Poster Session (Room 1202, 12F)		
14:40-14:55	Business meeting of the 27th Annual Meeting for Hepatic Sinusoidal Research Japan (in Japanese)		
15:00-16:05	he de la company of the company of t		
Chairs: Hartm	Inflammation and Immunity 1 out Jaeschke (University of Kansas, USA) o Ohira (Fukushima Medical University, Japan)		
15:00-15:20	Tutorial Talk 4: Complement in Alcoholic and Non-alcoholic liver disease	Laura E. Nagy, USA	P.27
15:20-15:35	Selected ORAL 6: Molecular mechanisms of lipopolysaccharide-mediated Inhibition of glutathione synthesis in murine macrophage	Maria Lauda Tomasi, USA	P.60
15:35-15:50	Selected ORAL 7: CCR6 deficiency enhances hepatic inflammation and fibrosis in response to liver injury	Silvia Affo, Spain	P.61
15:50-16:05	Selected ORAL 8: IFN-gamma and IL-4 play opposing roles in controlling invariant NKT cell expansion and neutrophil mediated hepatitis in feedback loops	Hua Wang, USA	P.62
16:05-17:10		ı	
Chairs: Gyon	Inflammation and Immunity 2 gyi Szabo (University of Massachusetts Medical Scho ujii (University of Yamanashi, Japan)	ool, USA)	
16:05-16:25	Tutorial Talk 5: Innate immunity and drug hepatotoxicity	Hartmut Jaeschke, USA	P.28
16:25-16:40	Selected ORAL 9: N-Acetylglucosaminyltransferase V (GnT-V) prevents mice steatohepatitis progression through modulation of lymphocytes and hepatic stellate cells function	Yoshihiro Kamada, Japan	P.64
16:40-16:55	Selected ORAL 10: Hepatic stellate cells activation but not hepatocyte proliferation in liver regeneration is TLR4 dependent	Ayako Mabuchi, New Zealand	P.66
16:55-17:10	Selected ORAL 11: Modulating T cell migration in the post-ischemic liver: hepatic stellate cells as new therapeutic target?	Andrej Khandoga, Germany	P.68

Program Day 2 (September 24, 2013)

17:10-17:30	Break		
17:30-18:15	Evening Seminar 1 (Co-sponsored by Otsuka Pharmaceutical Co., Ltd.) Peri-operative nutritional management using BCAA in hepatic resection patients	Takehiro Okabayashi, Japan Chair: Takafumi Ichida, Japan	P.52
18:15-18:35	Cutting Edge Lecture on Sinusoidal Endotherial Cell : Liver Sinusoidal Endothelial Cell Progenitor Cells	Laurie DeLeve, USA Chair: Jacquelyn J. Maher, USA	P.37
18:35-19:35			'
Chairs: Laura	Cancer Microenvironment 1 Nagy (Cleveland Clinic, USA) Oda (International University of Health and Welfare,	Japan)	
18:35-18:55	Keynote Lecture 1: Role of TGF- β and TAK1 in the development of liver fibrosis and hepatocellular carcinoma	Ekihiro Seki, USA	P.38
18:55-19:15	Keynote Lecture 2: Loss of E-cadherin in the liver leads to sclerosing cholangitis and promotes tumorigenesis in mice	Shin Maeda, Japan	P.40
19:15-19:35	Keynote Lecture 3: Obesity-induced gut microbial metabolite promotes liver cancer through senescence secretome	Eiji Hara, Japan	P.41
19:35-19:45	Break		
19:45-21:00			
Chairs: Yutaka	Cancer Microenvironment 2 a Inagaki (Tokai University, Japan) zaki (International University of Health and Welfare,	Japan)	
19:45-20:00	Invited Talk 5: Regulation of hepatic metastasis- associated genes in colorectal cancer	Fernando Vidal-Vanaclocha, Spain	P.35
20:00-20:15	Selected ORAL 12: Continuous apoptosis in hepatocytes induces oxidative stress and leads to liver carcinogenesis	Hayato Hikita, Japan	P.69
20:15-20:30	Selected ORAL 13: Progression from NASH to liver cancer in the absent of Cytoglobin	Le Thi Thanh Thuy, Japan	P.71
20:30-20:45	Selected ORAL 14: Combined treatment of sorafenib and angiotensin-II receptor blocker attenuates preneoplastic lesion development of non-alcoholic steatohepatitis in rats	Hitoshi Yoshiji, Japan	P.72
20:30-20:45	Selected ORAL 15: Aflibercept, a soluble VEGF receptor-1 and 2 suppresses tumor growth of hepatocellular carcinoma in mice	Takuji Torimura, Japan	P.73
21:00~	Free Evening]

Program Day 3 (September 25, 2013)

8:00-8:45	Morning Seminar 2 (Co-sponsored by Eisai Co., Ltd. / Minophagen Pharmaceutical Co., LTD.) Hepatitis C virus cell culture system and antiviral development	Takaji Wakita, Japan Chair: Tetsuo Takehara, Japan	P.47
8:45-9:00	Break		
Chairs: Hiroko	NASH & ASH 1 o lijima (Hyogo College of Medicine, Japan) camoto (University of Southern California, USA)		
9:00-9:20	Tutorial Talk 6: Fibrogenic mechanisms in ASH and NASH	Fabio Marra, Italy	P.29
9:20-9:40	Keynote Lecture 4: From NAFLD to NASH to cirrhosis -New insights into disease mechanisms	Ariel Feldstein, USA	P.42
9:40-9:55	Selected ORAL 16: Characterization of liver sinusoidal endothelial cell in non-acohol fatty liver	Edward N. Harris, US	P.74
9:55-10:10	Selected ORAL 17: Defenestration in liver endothelial cells as a cause of insulin resistance	Mashani Mohamad, Austraria	P.75
10:10-10:25	Selected ORAL 18: Dietary glycine minimizes metabolic steatohepatitis in diabetic KK-Ay mice through modulation of hepatic innate immunity	Kenichi Ikejima, Japan	P.76
10:25-10:45	Coffee Break		
Chairs: Sophi	NASH & ASH 2 e Lotersztajn (IMRB - Inserm U955, France) ti Takei (Mie University, Japan)		
10:45-11:05	Tutorial Talk 7: ER stress in fatty liver disease: pathophysiologic link and therapeutic target	Jacquelyn J. Maher, USA	P.30
11:05-11:20	Selected ORAL 19: Liver Bid is the therapeutic target in the treatment of fibrosis associated with nonalcoholic steatohepatitis	Akiko Eguchi, USA	P.77
11:20-11:35	Selected ORAL 20: The role of TLRs and its downstream molecules in the development of NASH	Koichi Miura, Japan	P.78
11:35-11:50	Selected ORAL 21: Mitochondrial oxidative stress exacerbates inflammation and subsequent fibrogenesis in high fat diet-induced murine hepatic steatosis	Tadashi Moro, Japan	P.80
11:50-12:00	Break		

Program Day 3 (September 25, 2013)

12:00-12:45	Luncheon Seminar 3 (Co-sponsored by Chugai Pharmaceutical Co., Ltd.) Inflammation and danger signals in alcoholic and non-alcoholic fatty liver disease	Gyongyi Szabo, USA Chair: Kiwamu Okita, Japan	P.50
	Luncheon Seminar 4 (in Japanese) (Co-sponsored by Bristol-Myers Squibb Company) Studies on hepatitis viruses using human hepatocyte chimeric mice (Room 1101-1102)	Kazuaki Chayama, Japan Chair: Morikazu Onji, Japan	P.51
12:45-13:00	Break		- eta Edinia kitabruntru kitaba kisu
13:00-14:00	President-selected Short Oral Presentation of Poster (Oral session)	Chairs: Kazuo Ikeda, Japan and Takuji Torimura, Japan	
14:00-14:30	Business meeting of ISHSR (in English)		
15:00~	Trip to Kyoto		
19:00~	Banquet	Protection of the contract of transmission arms of the Contract of the Contrac	
23:00	End of 17th ISCHS & 27th HSRJ		

Poster Session (September 24-25, 2013)

Poster session 1: Hepatic Stellate Cell

- P-1. Haruki Senoo, Akita University Graduate School of Medicine, "Hepatic stellate cell and biodiversity"
- P-2. Seiichi Ishida, National Institute of Health Sciences, "Simple culture method for the preparation of deactivated hepatic stellate cells"
- P-3. Yoshihiro Mezaki, Akita University Graduate School of Medicine, "Differential increases in the expression of intermediate filament proteins in transdifferentiating rat hepatic stellate cells"
- P-4. Kiwamu Yoshikawa, Akita University Graduate School of Medicine, "Involvement of perilipin2/ADRP and perilipin3/TIP47 in the formation of vitamin A-storing lipid droplets in hepatic stellate cells"

Poster session 2: Liver Fibrosis

- P-5. Balasubramaniyan Vairappan, Jawaharlal Institute of Postgraduate Medical Education and Research, "Effect of leptin and ethanol on the regulation of apoptosis and fibrosis in the mouse HCC cell lines"
- P-6. Kenichiro Mikami, Hirosaki University Graduate School of Medicine, "A hyaluronan synthase suppressor, 4-methylumbelliferone, attenuates liver fibrosis in bile duct ligated rats"
- P-7. Hiroyuki Motoyama, Osaka City University Graduate School of Medicine, "Cytoglobin expression in hepatic stellate cells in chronic hepatitis-induced fibrotic livers in human"
- P-8. Yoshinari Matsumoto, Osaka City University Graduate School of Medicine, "Lack of Cytoglobin triggers priming of primary mouse hepatic stellate cells"
- P-9. Saori Itami, Osaka City University Graduate School of Medicine, "The profiling of the miRNA expression in liver fibrosis"
- P-10. Hideki Alzaki, National Institute of Infectious Diseases, "Hepatitis C virus RNA replication in human stellate cells regulates gene expression of extracellular matrix-related molecules"
- P-11. Shu Li, Shuguang Hospital, Shanghai University of Traditional Chinese Medicine, "Fugan formula and its active ingredients reversed liver fibrosis by modulating RAS-related signaling"

- P-12. Tao Guo, Shuguang Hospital, Shanghai University of Traditional Chinese Medicine "Effects of Danggui Buxue decoction on angiogenesis in fibrotic liver and its active components"
- P-13. Yuka Yamamoto, RIKEN Center for Life Science Technologies, "Screening of LAP binding inhibitors of TGF-β activation reaction"
- P-14. Mitsuko Hara, Micro-Signaling Regulayion Technology Unit, CLST, RiKEN, "Monitoring changes in a promising fibrogenesis biomarker, TGF- β LAP-DP levels in hepatitis patients and trials to develop anti-fibrotic antibodies inhibiting TGF- β activation"
- P-15. Baasanjav Uranbileg, Tokyo University, "Sphingosine 1-phosphate receptor 2 mRNA expression may be increased in association with hepatic stellate cell proliferation in liver fibrosis in humans"

Poster session 3: Cancer Microenvironment

- P-16. Yoon Seok Noh, University of California, "Gp130 mediates inflammation-associated hepatocellular carcinogenesis in hepatocyte specific Tak1-deleted mice"
- P-17. Keita Kanki, Tottori University, "Preserved hepatocyte integrity by retinoid signaling: identification of retinoic acid-responsive genes and their contribution to the prevention of human hepatocellular carcinoma"
- P-18. Yoshihiro Mikuriya, Hiroshima University, "Fatty liver microenvironment favors the progression of hepatocellular carcinoma via activating hepatic stellate cells"
- P-19. Hiroshi Kono, Yamanashi University, "Macrophage colony-stimulating factor induces angiogenic factors and play a pivotal role in hepatocarcinogenesis"
- P-20. Sawako Kobayashi Uchida, Osaka City University Graduate School of Medicine, "Correlation between CD68-positive Kupffer cells and post-vascular imaging by contrast-enhanced ultrasonography using Sonazoid in hepatocellular carinoma"
- P-21. Hironori Tanaka, Hyogo College of Medicine, "Malignant grading system including the evaluation of Kupffer function for hepatocellular carcinoma using Sonazoid contrast enhanced ultrasonography"

Poster session 4: Inflammation and Immunity

- P-22. Srivatsan kidambi, University of Nebraska-Lincoln, "In vitro liver models: design and cellular interaction studies"
- P-23. Alessandra Warren, Centre for Education and Research on Ageing ANZAC Research Institute, University of Sydney, "Effect of manipulating membrane rafts on liver sinusoidal cells fenestrations"
- P-24. Soichiro Murata, University of Tsukuba, "Sinusoidal endothelial cells promote hepatocyte proliferation with S1P"

- P-25. Toru Nakamura, Kurume University School of Medicine, "Ex vivo cultured human CD34+ cell enhances stem cell function and promotes hepatic regeneration in chronically injured rat liver"
- P-26. Rebecca Perez Cabeza De Vaca, Universidad Nacional Autonoma De Mexico, "Early hepatocyte proliferation, limited apoptosis and sinusoidal cell's oxidative stress markers underlie cirrhotic liver regeneration in rat model"
- P-27. Sohji Nishina, Kawasaki Medical School, "Splenectomy causes hepatic inflammation and oxidative stress through activation of Kupffer cells in iron-overloaded mice"
- P-28. Shintaro Kuroda, Hiroshima University, "Specific inhibition of Rho-kinase in hepatic stellate cells using vitamin A-liposomes prevents ischemic reperfusion injury in rat liver"
- P-29. Yuga Teranishi, Osaka City University Graduate School of Medicine, "Cytoglobin expressed in hepatic stellate cells is involved in acetaminophen-induced acute hepatocyte damage"
- P-30. Hirotoki Ohkubo, Department of Pharmacology, Kitasato University School of Medicine, "Role of leukotriene B4 1 (BLT1) in liver injury and repair following hepatic ischemia/reperfusion injury in mice"
- P-31. Tsutomu Minamino, Kitasato University, "Thromboxane A2 receptor signaling promotes liver repair through platelet adhesion to the sinusoids during chemical-induced hepatotoxicity"
- P-32. Akinobu Takaki, Okayama University, "Unique profile of liver perfusate mononuclear cells-Analysis of the living donor liver perfusate by multicolor flowcytometry"

Poster session 5: NASH

- P-33. Terumi Takahara, University of Toyama, "IFN-g deficiency attenuates hepatic inflammation and fibrosis in mouse steatohepatitis"
- P-34. Tsutomu Matsubara, Osaka City University Graduate School of Medicine, "Stress accelerates derangement of bile acid homeostasis during development of steatohepatitis in mice"
- P-35. Shi Yin, NIAAA/NIH, "Interleukin-6-deficient mice are more susceptible to steatosis but resistant to inflammation and tumorigenesis in mice with long-term high-fat feeding"
- P-36. Tomohiro Ogawa, Kinki University, "The beneficial effect of propolis on fat accumulation and liver fibrosis in mice fed a methionine-choline diet"
- P-37. Akitoshi Douhara, Nara Medical University, "Inhibition of endotoxin cascade with antibiotics attenuates the liver fibrosis development in rat model of nonalcoholic steatohepatitis"
- P-38. Hiroo Fukada, Juntendo University, "Autophagic dysfunction caused by hepatic steatosis sensitizes Kupffer cells to endotoxin"

- P-39. Hideki Fujii, Osaka City University Graduate School of Medicine, "Role of macrophage scavenger receptor A in hepatic fibrogenesis of an animal NASH model"
- P-40. Ryuichi Noguchi, Nara Medical University, "Combination of angiotensin-converting enzyme inhibitor and selective aldosterone blocker, suppresses the liver fibrosis and carcinogenesis of nonalcoholic steatohepatitis in the rat"
- P-41. Kayo Mizutani, Osaka University Graduate School of Medicine, "Serum Mac-2 binding protein levels as a novel diagnostic biomarker for prediction of disease severity and nonalcoholic steatohepatitis"

Poster session 6: ASH

- P-42. Motoh Iwasa, Mie University Graduate School of Medicine, "Protein S exacerbates acute alcoholinduced liver injury by enhancing activation of liver natural killer T cells"
- P-43. Lakshmi Kuttippurathu, Thomas Jefferson University, "Modeling hepatic stellate cell mirna regulatory networks driving chronic alcohol effects on liver regeneration"
- P-44. Moon Young Kim, Yonsei University Wonju College of Medicine, "Assessment of intrahepatic hemodynamic change using a microbubble contrast ultrasonography can non-invasively predict the histological grade of alcoholic liver disease"