

Friday, 14 October

8:30 - 9:15 **Plenary Lecture 2**
Control of immune responses by regulatory T cells
Shimon SAKAGUCHI, Immunology Frontier Research Center, Osaka University,
 Experimental Immunology, Japan

9:15 - 9:45 **Keynote Lecture 5**
Innate and adaptive immune responses in HCV infections: novel lessons in the era of direct acting antiviral therapies
Robert H. THIMME, Medical Center - University of Freiburg, Department of
 Medicine II, Germany

9:45 - 10:15 **Refreshment Break**

10:15 - 12:00 **Session 6: Innate immunity**
Chairs: Michael BEARD & Naoya SAKAMOTO

10:15 - 10:30 **Uncoupling of hepatitis C virus regulation of RIG-I and Riptet antiviral innate immune responses during infection** **O-48**
Stacy M HORNER, Christine VAZQUEZ, Bianca LUPAN, Jason WILLER

10:30 - 10:45 **HCV hijacks the Nuclear Pore Complex to form a barrier between the cytosol and the interior of the membranous web** **O-49**
Michael A JOYCE, Christopher J NEUFELDT, Aviad LEVIN, Richard WOZNIAK, Lorne TYRRELL

10:45 - 11:00 **Essential role for the ESCRT-II complex subunit SNF8/EAP30/VPS22 in IRF3-dependent innate antiviral defense** **O-50**
Kui LI, Kattareeya KUMTHIP, Li L NAN

11:00 - 11:15 **An Intrinsic Control of Type I Interferon Induction in the Hepatocytes through Cleavage of STING by Hepsin Serine Protease** **O-51**
Helene Minyi LIU, Fu HSIN

11:15 - 11:30 **A liver-derived secretory protein, LECT2, enhances the innate immune response and suppresses HCV replication** **O-52**
Takayoshi SHIRASAKI, Masao HONDA, Tetsuro SHIMAKAMI, Kazuhisa MURAI, Hirofumi MISU, Toshinari TAKAMURA, Seishi MURAKAMI, Shuichi KANEKO

11:30 - 11:45 **Human BDCA3+DCs utilize IFN-λ for inducing intrahepatic anti-viral ISGs and stimulating bystander Immune cells in HCV Infection** **O-53**
Sachiyo YOSHIO, Masaya SUGIYAMA, Takasuke FUKUHARA, Yoshiharu MATSUURA, Masashi MIZOKAMI, Tatsuya KANTO

11:45 - 12:00 Immune cell phenotype and function in different compartments of the gut-liver-axis in chronic liver disease O-54

Fabian BOLTE, Ashley C O'KEEFE, Ohad ETZION, Rabab ALI, Elisavet SERTI, Jake LIANG, Theo HELLER, Barbara REHERMANN

12:00 - 12:15 Refreshment Break

12:15 - 13:15 Luncheon Seminar 3

Chair: Naoya KATO, Division of Advanced Genome Medicine, Institute of Medical Science, The University of Tokyo

Recognizing genetic factor associated with development of hepatocellular carcinoma after eradication of hepatitis C virus

Yasuhito TANAKA, Department of Virology & Liver Unit, Nagoya City University Graduate School of Medical Sciences

Sponsored by Gilead Sciences K. K.

13:15 - 13:45 Refreshment Break

13:45 - 14:45 Session 7: Adaptive immunity

Chairs: Jens BUKH & Eui-Cheol SHIN

13:45 - 14:00 Influence of IFNL3 and HLA-DPB1 genotype on postpartum control of hepatitis C virus replication and cellular immunity O-55

Jonathan HONEGGER, Dana TEDESCO, Jennifer A KOHOUT, Mona R PRASAD, Aryn A PRICE, Tera LINDQUIST, Samantha OHMER, Melissa MOORE-CLINGENPEEL, Arash GRAKOU, Christopher M WALKER

14:00 - 14:15 HCV genome derived small RNA regulates a Src-kinase regulatory phosphatase in human liver and PBMCs and reduces T cell activation O-56

Jack T STAPLETON, Nirjal BHATTARAI, James H MCLINDEN, M Mary MATHAHS, Warren N SCHMIDT, Thomas M KAUFMAN, Jinhua XIANG

14:15 - 14:30 Monocyte-dependent activation of mucosal associated invariant T cells resolves in the liver within weeks of antiviral therapy O-57

Ashley C O'KEEFE, Fabian J BOLTE, Elisavet SERTI, Elenita RIVERA, Jake LIANG, Marc GHANY, Barbara REHERMANN

14:30 - 14:45 Novel E2 glycoprotein tetramer detects HCV-specific memory B cells O-58

Naglaa H. SHOUKRY, Maude BOISVERT, Wanrui ZHANG, Nicole BERNARD, Julie BRUNEAU, Joseph MARCOTRIGIANO, Arash GRAKOU

14:45 - 15:15 Keynote Lecture 6

New Models for Studying Hepatitis C

Alexander PLOSS, Princeton University, Department of Molecular Biology, USA

15:15 - 16:45 Session 8: New model

Chairs: Hideki AIZAKI & Thomas PIETSCHMANN

- 15:15 - 15:30 To clear or not to clear: Novel model systems for the identification of cells clearing hepatitis C virus infection** **O-59**
Ana Maria ORTEGA-PRIETO, Jessica K SKELTON, Paula ORTEGA-PRIETO, Marcus DORNER
- 15:30 - 15:45 Identification of potent restriction factors of HCV infection and their contribution to viral species-tropism** **O-60**
Thomas PIETSCHMANN, Richard JP BROWN, Angga KUSUMA, Julie SHELDON, Tanvi KHERA, Kathrin WELSCH, Daniel TODT, Eleftherios MICHAILIDIS, Viet Loan DAO THI, Mohsan SAEED, Qiang DING, Benjamin Y WINER, Charles M RICE, Alexander PLOSS
- 15:45 - 16:00 Spatiotemporal functional genomics uncovers cell circuits mediating persistence and liver disease biology of hepatitis C virus infection** **O-61**
Joachim LUPBERGER, Tom CROONENBORGHS, Marco JOVANOVIC, Philipp MERTINS, Nicolaas VAN RENNE, Simonetta BANDIERA, Christine THUMANN, Che C. COLPITTS, James KOZUBEK, Karun KIANI, Steven A. CARR, Aviv REGEV, Mirjam B. ZEISEL, Nathalie POCHET, Thomas F. BAUMERT
- 16:00 - 16:15 Development of a Robust HCV Genotype 3a Cell-Culture System and Selection of Escape Variants with High Fitness after Sofosbuvir Treatment** **O-62**
Santseharay RAMIREZ, Lotte S MIKKELSEN, Judith M GOTTWEIN, Jens BUKH
- 16:15 - 16:30 Hepatitis C virus with NS5A L31V-Y93H substitution is resistant to ledipasvir/GS-558093, a nucleotide polymerase inhibitor** **O-63**
Hayato HIKITA, Yugo KAI, Tomohide TATSUMI, Hiroshi SUEMIZU, Ryotaro SAKAMORI, Tetsuo TAKEHARA
- 16:30 - 16:45 A structural and functional analysis of the non-primate hepacivirus 5' untranslated region** **O-64**
Joseph LATTIMER, Hazel STEWART, Nicola J STONEHOUSE, Mark HARRIS
- 18:30 - 21:00 Gala Dinner**
Venue: Toei Kyoto Studio Park