POSTER DAY 1 (October 23[SUN])

Room 8
Retroviruses (1)
Chair  Satoru Konnai  Hokkaido University

P1-001  COMPARATIVE ANALYSES OF HIV-1 AND HIV-2 INTEGRATION SITES

HIV-1/HIV-2ゲノム組込み部位の比較解析
Hirotaka Ode1, Ayumi Inoue1,2, Masakazu Matsuda1, Junji Imamura1, Atsuko Hachiya1, Yoshiyuki Yokomaku1, Yasumasa Iwatani1,2
1) Clinical Research Center, National Hospital Organization Nagoya Medical Center, 2) Nagoya University Graduate School of Medicine

P1-002  Effects of mutations in HIV-1 Gag-CA helix 7 and linker domain on the virion production

HIV-1 Gag-CAヘリックス7とリンクカードメインの変異がウイルス粒子産生に及ぼす影響
Kumpei Fujimoto, Naoya Doi, Yosuke Sakai, Akio Adachi, Masako Nomaguchi
Department of Microbiology, Tokushima University Graduate School of Medical Science

P1-003  Establishment of model cell lines for studying the transcriptional suppression of the HIV-1 genes

HIV-1ウイルス遺伝子の転写抑制メカニズム解析のための細胞株の樹立
Takaomi Ishida1,2, Jin Gohda1,2, Kai Liu3, Jun-ichiro Inoue1, Yasushi Kawaguchi4
1) Research Center for Asian Infectious Diseases, the Institute of Medical Science, The University of Tokyo, 2) Japan-China Joint Laboratory of Molecular Immunology & Microbiology, Institute of Microbiology, Chinese Academy of Sciences, Beijing, P.R. China, 3) Division of Cellular and Molecular Biology, Department of Cancer Biology, the Institute of Medical Science, The University of Tokyo, Tokyo, Japan, 4) Division of Molecular Virology, Department of Microbiology and Immunology, the Institute of Medical Science, The University of Tokyo, Tokyo, Japan

P1-004  An ultra-low vif type of HIV-1 SA1D2prox variant can adapt and evolve under the high level of APOBEC3G

HIV-1 SA1D2prox vif低発現変異体はAPOBEC3G強発現下で馴化・適応する
Akio Adachi, Naoya Doi, Yosuke Sakai, Kumpei Fujimoto, Masako Nomaguchi
Department of Microbiology, Tokushima University Graduate School of Medical Science

P1-005  Identification of cis-elements involved in the HIV-1 vif mRNA production

HIV-1 vif mRNA産生に関与するシスエレメントの同定
Masako Nomaguchi, Naoya Doi, Kumpei Fujimoto, Yosuke Sakai, Shoko Nakanishi, Akio Adachi
Department of Microbiology, Tokushima University Graduate School of Medical Science

P1-006  Characters of largely overexpressed HIV accessory proteins Vpx and Vif

大過剰に発現したHIVアクセサリートンバク質VpxおよびVifの性質
Kazunori Shimagaki1, Halil Ibrahim Ciftci1, Ryoko Koga1, Haruna Fujino1, Minami Yamamoto1, Yoshihiro Yamaguchi2, Masami Otsuka1, Mikako Fujita3
1) Department of Bioorganic Medicinal Chemistry, Faculty of Life Sciences, Kumamoto University, 2) Environmental Safety Center, Kumamoto University, 3) Research Institute for Drug Discovery, School of Pharmacy, Kumamoto University
P1-007 ATP1B3 modulates the restriction of HIV-1 production and NF-kB activation by BST-2

ATP1B3はBST-2によるHIV-1産生阻害及びNF-kB活性化を抑制する
Hiroshi Takaku\textsuperscript{1,2}, Makoto Abe\textsuperscript{1}, Hironori Nishitsuji\textsuperscript{1,3}, Ryuichi Sugiyama\textsuperscript{1,4}, Yoshimori Taniguchi\textsuperscript{1}, Takahiro Watanabe\textsuperscript{1}\textsuperscript{1, Department of Life and Environmental Sciences, Chiba Institute of Technology, 2 Research Institute, Chiba Institute of Technology, 3 Research Center for Hepatitis and Immunology, National Center for Global Health and Medicine, 4 Department of Virology II, National Institute of Infectious Diseases

P1-008 The Interaction of HIV-1 Vpu with BST-2 is critical for the antagonism

HIV-1 Vpuは宿主BST-2と結合することにより、その機能を阻害する
Takeshi Yoshida\textsuperscript{1}, Klaus Strebel\textsuperscript{1,2}, Shoji Yamaoka\textsuperscript{1}\textsuperscript{1} Department of Molecular Virology, Tokyo Medical and Dental University, 2 National Institute of Allergy and Infectious Diseases, National Institute of Health

P1-009 MARCH2 is another antiviral MARCH family member that inhibits HIV-1 infection

MARCH2はHIV-1感染を阻害するもうひとつのMARCHファミリーメンバーである
Kenzo Tokunaga\textsuperscript{1}, Takuya Tada\textsuperscript{1}, Weitong Yao\textsuperscript{1,2, Yanzhao Zhang\textsuperscript{1,2, Hideaki Fujita\textsuperscript{1, Shoji Yamaoka\textsuperscript{1,}\textsuperscript{1} Department of Pathology, National Institute of Infectious Diseases, 2 Department of Molecular Virology, Tokyo Medical and Dental University, 3 Faculty of Pharmaceutical Sciences, Nagasaki International University

P1-010 Replication and pathogenicity of HIV-1rmt: towards evaluation of viral growth ability in gut-derived cells

アカゲザル病原性HIV-1の個体内複製と病原性：腸管由来細胞での感染評価技術の確立に向けて
Naoya Doi\textsuperscript{1}, Chieko Ishifune\textsuperscript{1,2}, Koji Yasutomo\textsuperscript{1}, Tomoyuki Miura\textsuperscript{1}, Yosuke Sakai\textsuperscript{1}, Kumpei Fujimoto\textsuperscript{1}, Shigeyoshi Harada\textsuperscript{1, Masako Nomaguchi\textsuperscript{1, Akio Adachi\textsuperscript{1}\textsuperscript{1} Department of Microbiology, Tokushima University Graduate School of Medical Science, 2 Department of Immunology and Parasitology, Tokushima University Graduate School of Medical Science, 3 Institute for Virus Research, Kyoto University, 4 AIDS Research Center, National Institute of Infectious Diseases

Room 8
Retroviruses (2)

Chair Sayaka Takase-Yoden Soka University

P1-011 Generation of neutralization-resistant and CCR5 tropic HIV-1rmt

中和抵抗性かつCCR5指向性の新規HIV-1rmtの構築
Akihiko Kawakami\textsuperscript{1}, Ai Himeno\textsuperscript{1}, Minako Kikukawa\textsuperscript{1}, Yuki Ishida\textsuperscript{1,2, Masako Nomaguchi\textsuperscript{1, Akio Adachi\textsuperscript{1, Tomoyuki Miura\textsuperscript{1}\textsuperscript{1} Laboratory of Primate model, Experimental Research Center for Infectious Diseases, Institute for Virus Research Kyoto University, 2 AIDS Clinical Center, National Center for Global Health and Medicine, 3 Department of Microbiology, Institute of Biomedical Sciences, Tokushima University Graduate School

P1-012 Studies on the adaptation process of HIV-1 Env in macaque cells

サル細胞におけるHIV-1 Envの馴化・適応過程の解析
Yosuke Sakai, Kumpei Fujimoto, Naoya Doi, Masako Nomaguchi, Akio Adachi\textsuperscript{1}\textsuperscript{1 Department of Microbiology, Tokushima University Graduate School of Medical Science
P1-013 Acquired neutralization breadth in a rhesus monkey infected with neutralization-resistant CCR5 tropic simian / human immunodeficiency virus

中和抵抗性CCR5指向性サル/ヒト免疫不全ウイルス感染アダガザルウイルスにおける中和能の広域化
Ai Himeno, Yuki Ishida, Mai Yoneda, Kanako Matsuura, Minako Kikukawa, Tomoyuki Miura
Lab. of Primate Model, Institute for Virus Research Kyoto University

P1-014 comparative study of proliferation efficiency among the HIV-1 groups in vivo.

生体内モデルにおけるHIV-1グループ間の増殖効率の比較検討
Miyu Moriwaki, Eri Yamada, Naoko Misawa, Andrew Soper, Rokusuke Yoshikawa, Yusuke Nakano, Kei Sato, Yoshi Koyanagi
1) Laboratory of Viral Pathogenesis, Institute for Virus Research, Kyoto University, 2) CREST, JST

P1-015 Evaluation of artificial HIV-1 heterogeneity in vitro and in vivo.

In vitroとin vivoにおける多様性をもたせた人為的HIV-1の評価。
Andrew Soper, Naoko Misawa, Eri Yamada, Yusuke Nakano, Miyu Moriwaki, Hirofumi Aso, Rokusuke Yoshikawa, Kei Sato, Yoshi Koyanagi
1) Laboratory of Viral Pathogenesis, Institute for Virus Research, Kyoto University, 2) CREST, JST

P1-016 High prevalence of exclusive use of CXCR4 by CRF01_AE HIV-1 in northern Vietnam

北ベトナムにおいてはCXCR4のみを使用するCRF01_AE HIV-1が高頻度に存在する
Yosuke Maeda, Hiromi Terasawa, Takayuki Chikata, Hayato Murakoshi, Tomohiro Akahoshi, Giang Van Tran, Kazuaki Monde, Keisuke Yusa, Tetsu Yamashiro, Tomohiro Sawa, Masafumi Takiguchi
1) Department of Microbiology, Faculty of Life Sciences, Kumamoto University, 2) Center for AIDS Research, Kumamoto University, 3) Division of Cell-Based Therapeutic Products, National Institute of Health Sciences, 4) Center for Infectious Disease Research in Asia and Africa, Institute of Tropical Medicine, Nagasaki University

P1-017 A National Collaborative Study to Re-evaluate the Potency of the 1st National Standard for HIV-RNA

HIV-RNA国内標準品の力価の再評価のための国内共同研究
Saeko Mizusawa, Masaki Ochiai, Shigeru Kusagawa, Eriko Uchida, Birei Furuta, Eriko Kawamura, Yoshio Okada, Teruhide Yamaguchi, Isao Hamaguchi
1) Department of Safety Research on Blood and Biological Products, National Institute of Infectious Diseases, 2) Department of Quality Assurance and Radiological Protection, National Institute of Infectious Diseases, 3) AIDS Research Center, National Institute of Infectious Diseases, 4) Division of Molecular Target and Gene Therapy Products, National Institute of Health Sciences, 5) Clinical laboratory, Saitama Medical University Hospital, 6) Department of Transfusion Medicine, Saitama Medical University Hospital, 7) Department of Pharmaceutical Sciences, Nihon Pharmaceutical University

P1-018 Identification of amino acid position in gp120 determining the neutralization resistance of CRF01_AE virus to VRC01

広域中和抗体VRC01に対する中和耐性を規定するgp120のアミノ酸配列同定
Shingo Tachibana, Takako Tanaka, Inoue Mari, Youdiil Ophinn, Masanori Kameoka
1) Department of International Health, Graduate School of Health Sciences, Kobe University, 2) School of Medicine, Faculty of Health Sciences, Kobe University, 3) Graduate School of Medicine, Kobe University

P1-019 A study on false-positive serological cases for HIV-2 in Japan

国内におけるHIV-2感染疑惑症例の実情と解析
Masami Maejima, Shiro Ihe, Michiko Nemoto, Mayumi Imahashi, Junji Imamura, Atsuko Hachiya, Masakazu Matsuda, Urara Shigemi, Reiko Okazaki, Wataru Sugiyama, Yoshiyuki Yokomaku, Yasumasa Iwatani
1) Department of Infectious Disease and Immunology, Clinical Research Center, National Hospital Organization Nagoya Medical Center, 2) KITASATO-OTSUKA Biomedical Assay Laboratories Co., Ltd., 3) Okayama University Graduate School of Environmental and Life Science, 4) University of Texas Health Science Center at Houston, School of Public Health, 5) Glaxo Smith Kline K.K., 6) Nagoya University Graduate School of Medicine
### Room 8

#### Retroviruses (3)

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<td>Application of targeted enrichment to the next-generation sequencing of retroviruses integrated into the host human genome</td>
<td>Naoki Mori, Chie Ishikawa, Misaki Matsuo, Michiyo Tokunaga, Shinjiro Hino, Mitsuyoshi Nakao, Yorifumi Satou</td>
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1) Center for AIDS Research, Kumamoto University, 2) International Research Center for Medical Sciences, Kumamoto University, 3) Department of Medical Physics, Faculty of Life Sciences, Kumamoto University, 4) Institute for Molecular Biology and Embryology, Kumamoto University

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<td>P1-021</td>
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<td>Naoki Mori, Chie Ishikawa, Misaki Matsuo, Michiyo Tokunaga, Shinjiro Hino, Mitsuyoshi Nakao, Yorifumi Satou</td>
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1) Department of Microbiology and Oncology, Graduate School of Medicine, University of the Ryukyus, 2) Transdisciplinary Research Organization for Subtropics and Island Studies

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<td>P1-022</td>
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<td>Yasuko Sagara, Yasuhiro Sagara, Yukiko Inoue, Nobuyo Goto, Nobuhiro Harada, Kazuo Irita</td>
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1) Japanese Red Cross Kyushu Block Blood Center, 2) Faculty of Education, Nakamura Gakuen University, 3) Dept. of Biochemistry, School of Medicine, Fujita Health University

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<td>Megumi Murata, Jun-ichirou Yasunaga, Yohei Seki, Masao Matsuoka, Hirofumi Akari</td>
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1) Primate Research Institute, Kyoto University, 2) Institute for Virus Reseach, Kyoto University

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<td>P1-024</td>
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<td>Kanako Nishiyama, Hiroshi Mori, Takafumi Tomiyasu, Yoshiaki Osawa, Katsunori Okazaki</td>
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Department of Pharmaceutical Sciences, Health Sciences University of Hokkaido

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<td>Yoshiaki Osawa, Takafumi Tomiyasu, Hiroshi Mori, Katsunori Okazaki</td>
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Laboratory of Microbiology and Immunology, Faculty of Pharmaceutical Sciences, Health Sciences University of Hokkaido

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<td>Kenshi Aburatani, Akiko Shirai, Akihito Machinaga, Sayaka Takase-Yoden</td>
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1) Department of Science and Engineering for Sustainable Innovation, Faculty of Science and Engineering, Soka University, 2) Department of Bioinformatics, Graduate School of Engineering, Soka University
**P1-027** Function of cell surface heparan sulfate proteoglycan in murine leukemia virus infection

マウス白血病ウイルス感染における細胞表面ヘパラン硫酸プロテオグリカンの機能
Shinichi Kaji, Hiroki Saitou, Yasuhiko Hayashi, Yohei Seki, Atsushi Tanaka, Sayaka Takase-Yoden
1) Department of Bioinformatics, Graduate School of Engineering, Soka University, 2) Thailand-Japan Research Collaboration Center on Emerging and Infections, Research Institute for Microbial Diseases, Osaka University

**P1-028** Comprehensive analysis of cathepsin effect on envelope viral infection

カテプシンがエンベロープウイルス感染に与える影響の網羅的解析
Mai Izumida, Yoshinao Kubo, Kiyoshi Yasui, Hideki Hayashi, Toshifumi Matsuyama
1) Department of Clinical Medicine, Institute of Tropical Medicine, Nagasaki University, 2) Division of Cellular and Molecular Biology Graduate School of Biomedical Sciences, Nagasaki University, 3) Graduate School of Biomedical Sciences, Nagasaki University

**P1-029** Development of in vitro enzymatic activity assay for HTLV-1 protease.

HTLV-1 プロテアーゼ in vitro 活性測定法の開発
Satoko Matsunaga, Ayumi Kudoh, Kei Miyakawa, Hideki Hasegawa, Akihide Ryo
1) Department of Microbiology, Yokohama City University School of Medicine, 2) Department of Pathology, National Institute of Infectious Diseases

**P1-030** Complete Sequences of the HTLV-1 Proviral Genomes from Newly Established ATL cell-lines in Oita Prefecture, Japan.

ATL患者より新たに樹立した細胞株OATL9のプロウイルス全塩基配列の解読
Emi Ikebe, Takuro Fukumoto, Masao Ogata, Kazuhiro Kohno, Madoka Kuramitsu, Takashi Matsumoto, Masanori Ikeda, Shuichi Kusano, Akihiko Okayama, Akira Nishizono, Masumichi Saito, Hidekatsu Iha
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**Influenza viruses and other Orthomyxoviruses (1)**

**Chair** Takeshi Ichinohe The University of Tokyo

**P1-031** A mutation related to efficient growth of avirulent avian influenza virus in mammalian cells

鳥インフルエンザウイルス弱毒株の哺乳類細胞における増殖性に関わる変異
Hiromichi Matsugo
Department of Veterinary Microbiology, The University of Tokyo

**P1-032** Motile mechanism of influenza C virus

C型インフルエンザウイルスの運動機構
Tatsuya Sakai, Yasushi Muraki, Mineki Saito
1) Department of Microbiology, Kawasaki Medical School, 2) Department of Microbiology, Iwate Medical University
P1-033 Characterization of pH dependent sialidase activity of H7N9 avian influenza virus neuraminidase

H7N9型トリインフルエンザウイルスのNAのpH依存的な性状解析
Chihiro Tamoto1, Tadanobu Takahashi1, Hiromu Tanaka1, Yuuki Kurebayashi1, Yoshihiro Kawaoka1, Takashi Suzuki1
1) School of Pharmaceutical Sciences, University of Shizuoka, 2) The Institute of Medical Science, The University of Tokyo

P1-034 Identification of the apical transport pathways of influenza virus HA and NA by using the Rab proteins

Rabタンパク質を指標としたインフルエンザウイルスHAとNAのアピカル輸送経路の解析
Ryota Sato1, Fumitaka Momose1, Naoki Takizawa2, Yuko Morikawa1
1) Graduate School of Infection Control Sciences, Kitasato University, 2) Laboratory of Virology, Institute of Microbial Chemistry (BIKAKEN), Tokyo, Japan

P1-035 In situ detection of M1-NS2 complex formation essential for nuclear export of the influenza virus genome

インフルエンザウイルスゲノムの核外輸送を担うM1-NS2複合体の細胞内相互作用
Shun Yamashita1, 2, Masamitsu Asaka2, Kyosuke Nagata2, Atsushi Kawaguchi1
1) Graduate School of Comprehensive Human Sciences, University of Tsukuba, 2) University of Tsukuba

P1-036 The negative charge of amino acid 89 is essential for the accumulation of influenza M1 protein to ND10

M1タンパク質の核内顆粒形成には89位の負電荷が重要である
Toshikatsu Shibata1, 2, Tomotaka Ishii1, Satoshi Hayakawa2, Mitsuhiro Moriyama1, Kazumichi Kuroda2
1) Division of Gastroenterology and Hepatology, Department of Medicine, Nihon University School of Medicine, 2) Division of Microbiology, Department of Pathology and Microbiology, Nihon University School of Medicine

P1-037 Viral budozone formation in concert with influenza virus genome transport using recycling endosomes

リサイクリングエンドソーム依存的なインフルエンザウイルスゲノムの細胞内輸送に協調したウイルス粒子形成
Takahiro Kuroki1, Kyosuke Nagata2, Atsushi Kawaguchi1
1) Graduate school of Comprehensive Human Sciences, University of Tsukuba, 2) University of Tsukuba

P1-038 Molecular analysis of conserved RNA secondary structures predicted in the packaging signals of influenza A virus M segment

A型インフルエンザウイルスMセグメントのパッケージングシグナルに保存されたRNA二次構造の性状解析
Yuki Kobayashi1, Bernadeta Dadonaite2, Neeltje Doremalan2, Yoshiyuki Suzuki3, Wendy Barclay2, Oliver Pybus4
1) Nihon University Veterinary Research Center, 2) Department of Medicine, Imperial College London, 3) Graduate School of Natural Sciences, Nagoya City University, 4) Department of Zoology, University of Oxford

P1-039 Structural alteration of influenza virus RNP by a mutation in specific packaging signal.

効率的なゲノムパッケージングに必要な塩基の変異によるインフルエンザウイルスゲノムRNP高次構造変化
Naoki Takizawa
Laboratory of Virology, Institute of Microbial Chemistry (BIKAKEN)
P1-040 Identification of amino acid sequences of CM2 cytoplasmic domain involved in influenza C virus replication

Identification of amino acid sequences of CM2 cytoplasmic domain involved in influenza C virus replication

Yoshitaka Shimotai, Kanetsu Sugawara, Yoko Matsuzaki, Yasushi Muraki, Takanari Goto, Seiji Hongo
1) Department of Infectious Diseases, Yamagata University Faculty of Medicine, 2) Department of Microbiology, Iwate Medical University School of Medicine

P1-041 The mechanism of Thogoto virus infection in Vero E6 cell

Vero E6細胞におけるトゴトウイルスの増殖機構

Sohei Sasaki, Yu Seto, Azusa Someya, Kentaro Yoshii, Akihiko Maeda
1) Division of Life Science, Kyoto Sangyo University, 2) Graduate School of Veterinary Science, Hokkaido University

P1-042 Unexpected broad distribution of endogenous orthomyxovirus-like elements in arthropod genomes

節足動物ゲノムに内在するオルソミクソウイルス様エレメント

Masayuki Horie, Yuki Kobayashi
1) Transboundary Animal Diseases Research Center, Joint Faculty of Veterinary Medicine, Kagoshima University, 2) Nihon University Veterinary Research Center

P1-043 Bioinformatics analysis for revealing influenza virus reassortment based on BLSOM and LVQ

一括学習型自己組織化マップ法と学習ベクトル量化法を組み合わせたBLSOM+LVQ法によるインフルエンザのセグメント交換過程の解明

Kazuya Fujimoto, Takuma Kaneda, Takashi Abe
Niigata University

P1-044 Analysis of the mechanism of innate immunity modulation mediated by ITAM-coupled receptor signaling in influenza virus infection

インフルエンザウイルス感染におけるITAM関連受容体シグナルを介した自然免疫調節機構の解析

Takayuki Uematsu, Ei-iichi Iizasa, Noritada Kobayashi, Hiroki Yoshida, Hiromitsu Hara
1) Biomedical Laboratory, Division of Biomedical Research, Kitasato University Medical Center, 2) Department of Immunology, Field of Infection and Immunity, Graduate School of Medical and Dental Sciences, Kagoshima University, 3) Division of Immunology, Department of Biomolecular Sciences, Faculty of Medicine, Saga University

P1-045 Anti-viral effect of Lactobacilli on Influenza A virus infection.

A型インフルエンザウイルスに対する乳酸桿菌の抗ウイルス作用の検討

Yuko Kato-Mori, Shigefumi Kishida, Katsuro Hagiwara
1) Graduate School of Science, Technology and Innovation, Kobe University, 2) Graduate School of Veterinary Medicine, Rakuno Gakuen University

P1-046 Influenza A Virus Infection Induces Caspase-1-dependent Cell Death with Pro-inflammatory Cytokines in Human Lung Epithelial Cells

インフルエンザウイルスによる気道上皮細胞でのCaspase1依存的な細胞死の誘導

Sang Joon Lee, Kyosuke Nagata, Atsushi Kawaguchi
1) Department of Infection Biology, University of Tsukuba, 2) Ph.D. Program in Human Biology, School of Integrative and Global Majors, University of Tsukuba
**P1-047** Pantetheine-Vanin-1-Cysteamine pathway suppresses influenza virus replication in A549 cells.

Pantetheine-Vanin-1-Cysteamine系は、A549細胞でインフルエンザウイルス増殖を抑制する

Nobuko Yamashita1,2, Hikaru Namba1, Hirohito Ogawa1, Masao Yamada1, Tsuneo Morishima2,3
1) Department of Virology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, 2) Department of Pediatrics, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, 3) Okayama Rosai Hospital

**P1-048** Evaluation of efficacy of an inactivated whole-virus A/Victoria/361/2011 (IVR-165) (H3N2) influenza vaccine in ferret

フェレットを用いたA/Victoria/361/2011（IVR-165）（H3N2）不活化全粒子インフルエンザワクチン効果の評価

Noriko Kishida1, Masaki Imai1, Akira Ainai1, Reiko Saito2, Kazuya Nakamura1, Tomoko Kuwashara1, Seiichiro Fujisaki3, Emi Takashita1, Masayuki Shirakura1, Yoshiko Kashiwagi1, Masato Tashiro1, Takato Odagiri1, Shinji Watanabe1
1) Influenza Virus Research Center, National Institute of Infectious Diseases, Tokyo, Japan, 2) Department of Public Health, Niigata University School of Medicine, Niigata, Japan, 3) Fukushima Prefectural Institute of Public Health, Fukushima, Japan

**P1-049** PolyI:C enhances vaccine-specific antibody production in NALT via TLR3-TICAM1 pathway

PolyI:CはTLR3-TICAM1経路を介してNALTでの抗体産生を促進する

Hiromi Takaki, Misako Matsumoto, Tsukasa Seya
Department of Microbiology and Immunology, Graduate School of Medicine, Hokkaidou University

**P1-050** Characterization of the recombinant polymeric secretory IgA (ps-IgA) antibody against influenza virus

インフルエンザウイルスに対する組換え分泌型多量体IgA抗体の性状解析

Shinji Saito1,2, Kaori Sano1,2, Takaki Suzuki1, Elly Van Riet2, Akira Ainai1, Yuki Ohara1, Koshiro Tabata1,2, Makoto Fuji1, Yoshimasa Takahashi3, Haruko Takeyama3, Hideki Hasegawa1
1) Department of Pathology, National Institute of Infectious Diseases, 2) Influenza Virus Research Center, National Institute of Infectious Diseases, 3) Department of Immunology, National Institute of Infectious Diseases, 4) Department of Life Science and Medical Bioscience, Waseda University

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**Room 8**

**Influenza viruses and other Orthomyxoviruses (2)**

**Chair** Shigeyuki Itamura National Institute of Infectious Diseases

**P1-051** New lineage-specific monoclonal antibodies to measure the HA content of two influenza B virus components in quadrivalent influenza vaccine

4価インフルエンザワクチンB型2株のHA抗原量の定量を目的とした系統特異的な新規モノクローナル抗体

Noriko Shimasaki, Takato Odagiri, Shigeyuki Itamura
Influenza Virus Research Center, National Institute of Infectious Diseases

**P1-052** Influence of nasal washing upon the induction of neutralizing antibody responses by intranasal vaccination against influenza

経鼻インフルエンザワクチンによる中和抗体応答の誘導に鼻腔洗浄が与える影響

Akira Ainai1, Yoshihiko Terauchi1,2, Takaki Suzuki1, Shinji Saito1, Kaori Sano1, Koshiro Tabata1,2, Makoto Fuji1, Shin-ichi Tamura1, Takato Odagiri1, Masato Tashiro1, Hideki Hasegawa1
1) Department of Pathology, National Institute of Infectious Diseases, 2) Department of Pediatrics, Medical Course, Kochi University, 3) Influenza Virus Research Center, National Institute of Infectious Diseases
P1-053  Mechanism of influenza virus resistance to zanamivir (relenza) without known NA inhibitor resistance mutations.

インフルエンザウイルスにおけるNA阻害剤耐性変異に依存しないリレンザ回避機構
Kotaro Mori1,2, Naoki Takizawa1, Ayata Takada3, Naoya Kumagai4, Masakatsu Shibasaki1,4
1) Laboratory of Virology, Institute of Microbial Chemistry (BIKAKEN), 2) Research Fellow of Japan Society for the Promotion of Science, 3) Division of Global Epidemiology, Hokkaido University Research Center for Zoonosis Control, 4) Laboratory of Synthetic Organic Chemistry, Institute of Microbial Chemistry (BIKAKEN)

P1-054  Development of a peptide-based Inhibitor against H1N1 Influenza virus.

へマグルチンを標的とした新規作用機構を有するインフルエンザ阻害ペプチドの開発
Jumpei Omi1, Miho Takahashi1, Katsura Iiga2, Tseng Ching-Yi1, Yasuhiro Natori3, Makoto Yamashita4
1) Graduate School of Life and Medical Science, Doshisha University, 2) Institute of Tropical Medicine, Nagasaki University, 3) School of Pharmacy, Iwate Medical University, 4) Institute of Medical Science, The University of Tokyo

P1-055  Virus Reduction by Single Day Oral Dosing of S-033188, an Inhibitor of Cap-dependent Endonuclease, in Mice Infected with Influenza A Virus

A型インフルエンザウイルス感染マウスにおけるCap依存のエンドヌクレアーゼ阻害剤S-033188の単日経口投与によるウイルス力価低下作用
Yoshinori Ando1, Takeshi Noshi1, Mitsutaka Kitano1, Keiichi Taniguchi1, Motoyasu Oonishi1, Kenji Sato2, Ryoko Oka3, Makoto Kawai3, Ryu Yoshida1, Akihiko Sato1, Takao Shishido1, Akira Naito1

P1-056  Antiviral Activity of S-033188/S-033447, an Inhibitor of Cap-dependent Endonuclease, against Laboratory Strains of Influenza A and B Virus

A及びB型インフルエンザウイルス実験室株に対するCap依存のエンドヌクレアーゼ阻害剤S-033188/S-033447の抗ウイルス活性
Takeshi Noshi1, Hiroko Tachibana1, Atsuko Yamamoto1, Keiko BaBa1, Makoto Kawai2, Ryu Yoshida1, Akihiko Sato1, Takao Shishido1, Akira Naito1
1) Drug Discovery & Disease Research Laboratory, Shionogi & Co., Ltd., 2) Medicinal Chemistry Research Laboratory, Shionogi & Co., Ltd.

P1-057  One-Day Oral Dosing of S-033188, an Inhibitor of Cap-dependent Endonuclease, Completely Eliminates Mortality in Mice Lethal Influenza Model.

A型インフルエンザウイルス感染マウス致死モデルにおけるCap依存のエンドヌクレアーゼ阻害剤S-033188の単日経口投与による致死抑制作用
Keita Fukao1, Yoshinori Ando1, Takeshi Noshi1, Mitsutaka Kitano1, Makoto Kawai2, Ryu Yoshida1, Akihiko Sato1, Takao Shishido1, Akira Naito1
1) Drug Discovery & Disease Research Laboratory, Shionogi & Co., Ltd., 2) Medicinal Chemistry Research Laboratory, Shionogi & Co., Ltd.

P1-058  Inhibitory Effect of S-033188/S-033447 on Cap-dependent Endonuclease Activities of Influenza A and B Virus

A及びB型インフルエンザウイルスのCap依存のエンドヌクレアーゼ活性に対するS-033188/S-033447の阻害活性
Takao Shishido1, Shinya Omoto1, Kayo Ishida1, Yukihiro Kushima1, Takeshi Noshi1, Makoto Kawai2, Ryu Yoshida1, Tomokazu Yoshinaga1, Akihiko Sato1, Akira Naito1
1) Drug Discovery & Disease Research Laboratory, Shionogi & Co., Ltd., 2) Medicinal Chemistry Research Laboratory, Shionogi & Co., Ltd.
P1-059  Inhibition of Influenza Virus Infection by sugar-modified peptide

Yurina Fujiwara, Shunsuke Arami, Shoko Chiba, Teruhiko Matsubara, Toshinori Sato
Faculty of Science and Technology, Keio University

P1-060  Virucidal activities of proteoglycans prepared with umezu, a salt-extract of Japanese apricot

Keiko Ikeda1, Sayuri Nagashima1, Tamiko Nagao2, Mitsunori Nishide3, Hisashi Yamasaki2, Masanori Yamaguchi2, A. Hajime Koyama2
1) School of Health and Nursing Science, Wakayama Medical University, 2) School of Medicine, Wakayama Medical University, 3) Faculty of Nursing, Shikoku University, 4) Department of Food and nutrition, Wakayama Shin-Ai Women's Junior College, 5) Faculty of Education, Wakayama University

P1-061  Anti-influenza activity of Jatropha multifida extracts from Myanmar

Masaaki Shoji1, Aki Masuda3, So-Yeon Wo2, Takuya Itou2, Nwet Nwet Win2,3, Hiroyuki Morita2, Takashi Kuzuhara1
1) Laboratory of Biochemistry, Faculty of Pharmaceutical Sciences, Tokushima Bunri University, 2) Institute of Natural Medicine, University of Toyama, 3) Department of Chemistry, University of Yangon

P1-062  Effect of molecular configuration on virucidal activities of coumaric acid

Mitsunori Nishide1, Keiko Ikeda2, Misao Uozaki3, Tamiko Nagao2, Yuzuru Yoshida1, Kisa Mimura1, Takahiko Mitani1, A. Hajime Koyama2
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P1-063  Viral etiology of severe acute respiratory infection in hospitalized children in Mongolia

Mina Nakauchi3, Tsendbal Naranzul2, Badarch Darmaa1, Bayasgalan Namuutsetseg1, Pagbajab Nymadawa1,2, Takato Odagiri3, Tsutomu Kageyama3
1) National Influenza Center, National Center for Communicable Diseases, Ministry of Health, Mongolia, 2) Mongolian Academy of Medical Sciences, 3) Influenza Virus Research Center, National Institute of Infectious Diseases

P1-064  Etiology of influenza-like illness admitted to Bach Mai Hospital in Hanoi, Vietnam

Tsutomu Kageyama3, Vu Thi Tuong Van2, Nguyen Gia Binh2, Phuong Truong Thai2, Pham Thi Phuong Thu2, Thanh Do Van2, Dao Xuan Co2, Phuong Phan Thu2, Do Duy Cuong2, Le Thi Ngan2, Bui Minh Vuong2, Le Trung Dung2, Pham The Thac2, Jin Takasaki3, Ikuyo Takayama3, Shinji Saito1, Takato Odagiri3, Noriko Nakajima4
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P1-065  Severe lung injury associated with A/H1N1pdm09 infection in the post-pandemic season

Noriko Nakajima1, Akihiko Hamamatsu2, Kino Hayashi2, Yuko Sato1, Toshio Kumakawa3, Minoru Tobiume1, Hideki Hasegawa1
1) Department of Pathology, National Institute of Infectious Diseases, 2) Tokyo Medical Examiner’s Office, 3) Japanese Red Cross Medical Center
P1-066 Characterization of Influenza A (H1N1) pdm09 Viruses Isolated from Hospitalized Cases in the 2015/16 Season

Chiharu Kawakami (1), Seiichiro Fujisaki (2), Emi Takashita (2), Miwako Saikusa (1), Shuzo Usuku (1), Shinji Watanabe (3)
1) Yokohama City Institute of Public Health, 2) Influenza Virus Research Center, National Institute of Infectious Diseases, Tokyo

P1-067 The development of point-of-care test to identify human influenza and RS virus using real-time direct RT-LAMP assay with micro-fluidic chip

Ikuyo Takayama (1), Kunihiro Oba (2), Shohei Semba (3), Mina Nakauchi (1), Hitoshi Takahashi (1), Shinji Saito (1), Toshinori Sato (1), Yuji Segawa (3), Hitototsu Watanabe (3), Tsugunori Notomi (3), Takato Odagiri (1), Tsutomu Kageyama (1)
1) Influenza Virus Research Center, National Institute of Infectious Diseases, 2) Showa General Hospital, 3) Biochemical Research Laboratory II, Eiken Chemical Co., LTD.

P1-068 Electrochemical detection of influenza A virus using a diamond electrode immobilizing hemagglutinin-binding peptide

Michiko Ujie, Teruhiko Matsubara, Takashi Yamamoto, Miku Akahori, Yasuaki Einaga, Toshinori Sato
Faculty of Science and Technology, Keio University

P1-069 Construction of influenza virus detection system by an airborne flow cytometer

Akitake Tamura (1), Takaaki Nakaya (2)
1) Tokyo Electron, Innovative Technology Planning Dept., 2) Kyoto Prefectural University of Medicine, Department of Infectious Diseases

P1-070 Herbal medicines in clinical use (Mao-to, Gingyo-san) inhibit influenza virus replication.

Toshihito Nomura, Takashi Irie, Masaya Fukushi, Kosuke Oda, Takemasa Sakaguchi
Department of Virology, Graduate School of Biomedical & Health Sciences, Hiroshima University

Room 8

Hepatitis viruses (1)

Chair Takasuke Fukuhara Osaka University

P1-071 Identification of HCV NS4B binding E3 ligases that involved in HCV replication using wheat cell-free protein production system.

Hirotaka Takahashi (1), Mei Imamura (1), Masahiko Ito (2), Tetsuro Suzuki (2), Takaji Wakita (3), Tatsuya Sawasaki (1)
1) Proteo-Science Center, Ehime University, 2) Department of Infectious Diseases, Hamamatsu University School of Medicine, 3) Department of Virology II, National Institute of Infectious Diseases
P1-072 Two different roles of ISG15 in HCV infection

HCV 感染における ISG15 の二つの役割
Nanae Minami, Tutik Sri Wahyuni, Chieko Matsui, Lin Deng, Ikuo Shoji
Division of Infectious Disease Control, Center for Infectious Diseases, Kobe University Graduate School of Medicine

P1-073 Induction of neutralization E2 antibody by immunization of recombinant E2 proteins

組換え E2 蛋白質による中和抗体誘導効果
Noriyuki Watanabe, Nanako Aihara, Tomoko Date, Hussein Hussan, Hideki Aizaki, Takaji Wakita
Department of Virology II, National Institute of Infectious Diseases

P1-074 Evaluation of Antiviral Activities of Vitamin D Derivatives

ビタミン D 誘導体の抗 HCV 活性の評価
Asako Murayama, Takaji Wakita, Takanobu Kato
Department of Virology II, National Institute of Infectious Diseases

P1-075 A new role for the Hsp70 inhibitor KNK437 in inhibiting HCV replication by targeting viral translation factors

Hsp70 阻害剤、KNK437 の HCV 複製阻害機構
Atsuko Tsukimoto1,2, Ryuichi Sugiyama3, Hisanao Ogra1, Hiroshi Takaku1,4, Yasuyuki Takiguchi1, Naoko Kuroasaki1
1) Graduate School of Engineering, Chiba Institute of Technology, 2) Department of Medical Technology and Health Sciences, Tsukuba International University, 3) Department of Virology, National Institute of Infectious Diseases, 4) Research Institute, Chiba Institute of Technology

P1-076 Neutralizing activity of anti-HCV antibody cloned from chronic HCV patient tissue

慢性 C 型肝炎患者組織からクローニングした抗 HCV 抗体の HCVcc 感染阻害活性評価
Hiroshi Yokokawa1, Midori Shinohara2, Noriko Nakamura3, Tomokatsu Iwamura1, Tomohiko Suzuki1, Takaji Wakita4
1) Pharmaceutical Research Laboratory, Toray Industries, Inc., 2) Medical & Biological Laboratories co., LTD., 3) Kamakura Techno-Science, Inc., 4) Department of Virology II, National Institute of Infectious Diseases

P1-077 Evaluation of In Vitro Diagnostics for Hepatitis C Virus by Using Domestic Reference Panels

HCV RNA、および HCV コア抗原検出を目的とした体外診断用医薬品の性能評価
Haruka Momose1,2, Takanobu Kato3, Sahoko Matsuoka1, Kazu Okuma1, Norie Yamada2, Asako Murayama2, Kuro Toyota1,2, Takaji Wakita2, Isao Hamaguchi1
1) Department of Safety Research on Blood and Biological Products, National Institute of Infectious Diseases, 2) Department of Virology II, National Institute of Infectious Diseases, 3) Blood Service Headquarters, Japanese Red Cross Society

P1-078 Crystallization of Hepatitis B virus core protein of genotype C and F

B 型肝炎ウイルス・ジェノタイプ C,F のコア蛋白質の結晶化
Katsumi Omagari, Yasuhito Tanaka
Department of Virology, Medicall school, Nagoya City Univeristy

P1-079 Analysis of the HBV life cycle in a HepG2 expressing human NTCP

Retno Rahayu1, Eriko Ohashi1, Toru Okamoto2, Koichi Watashi3, Keiji Ueda1
1) Division of Virology, Dept. of Microbiology and Immunology, Osaka University Graduate School of Medicine, 2) Department of Molecular Virology, Research Institute for Microbial Diseases, Osaka University, 3) Department of Virology II, National Institute of Infectious Diseases
P1-080  Evidence for the intracellular cccDNA amplification in HepG2-NTCP cells
Sooyoung Lee, Woohyun Kim, Wang-Shick Ryu
Department of Biochemistry, Yonsei University, Seoul, Korea

P1-081  Production and characterization of monoclonal antibodies against HBV entry receptor NTCP.
HBV感染受容体NTCPに対するモノクローナル抗体の作製と機能解析
Haruka Sato\textsuperscript{1}, Kei Miyakawa\textsuperscript{1}, Satoko Matsunaga\textsuperscript{1}, Yutaro Yamaoka\textsuperscript{1,2}, Akihide Ryo\textsuperscript{1}
\textsuperscript{1} Microbiology and Molecular Biodefence Research, School of Medicine, Yokohama City University,
\textsuperscript{2} Ishihara Research Laboratory, Technology and Development Division, Kanto Chemical Co., Inc.

P1-082  DDB1 stimulates the viral transcription of hepatitis B virus via a mechanisms not involving interaction with HBx.
Woohyun Kim, Sooyoung Lee, Yeongnam Son, Chunkyu Ko, Wang-Shick Ryu
Department of Biochemistry, Yonsei University, Republic of Korea

P1-083  Analysis of hepatitis B virus budding mechanism using Core-VLP
Core-VLPを用いたB型肝炎ウイルス出芽機構の解析
Toshiki Matsubara, Kosuke Oda, Takashi Irie, Masaya Fukushima, Takemasa Sakaguchi
Graduate School of Biomedical & Health Sciences, Hiroshima University

P1-084  The roles of a viral-L1 chimeric transcript in hepatitis B virus infection
ウイルス遺伝子-L1キメラ転写産物がB型肝炎ウイルスに与える影響の解析
Tomoyuki Honda, Eriko Ohsaki, Keiji Ueda
Division of Virology, Department of Microbiology and Immunology, Osaka University Graduate School of Medicine

P1-085  Establishment of a chronic HBV infection tree shrew model with a HBV molecular clone
B型肝炎ウイルス（HBV）分子クローンを用いたHBV持続感染ツバイモデルの確立
Jun-ichiro Takano\textsuperscript{1}, Yumiko Shiogama\textsuperscript{1}, Shogo Soma\textsuperscript{1}, Naoki Yamamoto\textsuperscript{2}, Michinori Kohara\textsuperscript{2}, Yasutomi Yasuhiro\textsuperscript{1}
\textsuperscript{1} Tsukuba Primate Research Center, National Institutes of Biomedical Innovation, Health and Nutrition,
\textsuperscript{2} Tokyo Metropolitan Institute of Medical Science

P1-086  Host factors participate in innate immune response upon infection with hepatitis B virus
B型肝炎ウイルス感染における自然免疫応答に関与する宿主因子の解析
Kentaro Uemura, Chikako Ono, Takasuke Fukushima, Toru Okamoto, Yoshiharu Matsuura
Department of Molecular Virology, Research Institute for Microbial Diseases, Osaka University

P1-087  High-throughput screening for inhibitors of Hepatitis B virus polymerase
B型肝炎ウイルスのポリメラーゼを標的とした活性阻害剤のスクリーニング
Eriko Ohsaki, Keigo Hisamatsu, Tomoyuki Honda, Keiji Ueda
Division of Virology, Dept. of Microbiology and Immunology, Osaka University Graduate School of Medicine
P1-088 Suppression of HBV replication by the introduction of Cas9-nickase with a pair of sgRNAs

Cas9-nickaseによるB型肝炎ウイルスの感染制御

Takeshi Kurihara, Takasuke Fukuhara, Chikako Ono, Hiroyuki Mori, Tomokazu Tamura, Toru Okamoto, Yoshisharu Matsunura

Department of Molecular Virology, Research Institute for Microbial Diseases, Osaka University

P1-089 Establishment of highly HBV-permissible HepG2 cell line to facilitate screening of antiviral compounds

抗HBV剤スクリーニングを目的とした高HBV感染許容HepG2細胞株の樹立

Teruhime Otoguro, Tomohisa Tanaka, Wenjia Chen, Hirotake Kasai, Atsuya Yamashita, Kaori Okuyama-Dobashi, Kohji Moriiishi

Department of Microbiology, Faculty of Medicine, University of Yamanashi

P1-090 Evaluation of Detection Assays for Hepatitis B Virus DNA and HBs Antigen by Using Reference Panel of Blood Specimens

HBV検体パネルを用いたHBV DNAおよびHBs抗原検出用体外診断薬の評価

Takanobu Kato1, Norie Yamada1, Haruka Momose2, Asako Murayama1, Sahoko Matsuoka2, Kazu Okuma2, Kuro Toyota3, Isao Hamaguchi3, Takaji Wakita1

1) Department of Virology II, National Institute of Infectious Diseases, 2) Department of Safety Research on Blood and Biological Products, National Institute of Infectious Diseases, 3) Blood Service Headquarters, Japanese Red Cross Society

P1-091 Single-type adenovirus vector simultaneously expressing multiplex shRNAs for suppression of HBV replication

shRNAを複数同時発現する単一型アデノウイルスベクターのHBV複製阻止への応用

Mariko Suzuki1, Aya Maekawa1, Yumi Kanegae1, Izumu Saito1

1) Laboratory of Molecular Genetics, the Institute of Medical Science, The University of Tokyo, 2) Core Research Facilities for Basic Science, Research Center for Medical Science, Jikei University School of Medicine

P1-092 Variation of PreS-S gene in HBV-associated HCC patients with HLA-DPB1*0201

HLA-DPB1*0201アリルを持つB型肝癌患者におけるPreS-S領域の多様性

Masaya Sugiyama1, Nao Nishida1, Katsushi Tokunaga2, Takaji Wakita3, Masashi Mizokami1

1) Genome Medical Project, National Center for Global Health and Medicine, 2) Department of Human Genetics, Graduate School of Medicine, The University of Tokyo, 3) Department of Virology II, National Institute of Infectious Diseases

P1-093 Serological research on Hepatitis E virus of Macaca fuscata in Shimokita peninsula

下北半島のニホンザルにおけるE型肝炎ウイルス感染の疫学調査

Takashi Kawamura3, Kango Tatemoto1, Naomi Ishii2, Sachie Nakiri2, Shinichi Hayama2, Setsuko Nakanishi1, Toshinori Omii1, Mitsuhiko Asakawa1, Katsuro Hagiwara1

1) School of Veterinary Medicine, Rakuno Gakuen University, 2) Laboratory of Wildlife Medicine, Nippon Veterinary and Life Science University, 3) Conservation & Animal Welfare Trust

P1-094 Heat inactivation of Hepatitis E virus

E型肝炎ウイルスの加熱不活化条件の検討

Toshifumi Imagawa1,2, Tiancheng Li1, Tomoyuki Shiota2, Sayaka Yoshizaki2, Koji Ishii2, Takaji Wakita3

1) Department of Infectious Disease, Hamamatsu university school of Medicine, 2) Department of Virology II, National Institute of Infectious Diseases
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| P1-095 | Production of monoclonal antibodies against the rat hepatitis E virus ORF3 protein and their application for studies of the ORF3 proteins |
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- **Chair**: Takeshi Kobayashi  
  **Osaka University**

| P1-096 | Hepatitis E virus infection in heart and kidney transplant recipients in Japan  
~ progress report ~ |
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- **Chair**: Takeshi Kobayashi  
  **Osaka University**

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| P1-097 | Oral administration of *Bifidobacterium bifidum* G9-1 alleviates rotavirus gastroenteritis in suckling mice. |
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- **Chair**: Takeshi Kobayashi  
  **Osaka University**

| P1-098 | Rotavirus vaccine strain transmission by vaccinated infants in the neonatal intensive care unit |
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- **Chair**: Takeshi Kobayashi  
  **Osaka University**

| P1-099 | Serotype identification and genetic analysis of epizootic hemorrhagic disease virus detected in cattle, Hyogo, 2015 |
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- **Chair**: Takeshi Kobayashi  
  **Osaka University**

| P1-100 | Genetic characterization of a human G2P[4] rotavirus strain predominant in Osaka City in 2015/16 season |
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- **Chair**: Takeshi Kobayashi  
  **Osaka University**

Mayumi Ono1, Yusuке Akane1, Takaеhi Tсsugawa1, Megumi Hара2, Kaоru Arаki3, Hiroyuki Tсsutsumi1
1) Department of Pediatrics, Sapporo Medical University, 2) Department of Preventive Medicine, Saga University, 3) Department of Pediatrics of Preventive Medicine, Saga University

P1-102  Identification of a Mosquito-Borne Orbivirus in Zambia

ザンビアにおける蚊媒介性オルビウイルスの同定

Yasuko Orba1, Hirofumi Sawa1,2,3
1) Division of Molecular Pathobiology, Research Center for Zoonosis Control, Hokkaidо University, 2) Global Institute for Collaborative Research and Education (GI-CoRE), Hokkaidо University, 3) Global Virus Network

P1-103  Full genomic analysis of Nigerian human and bovine G8P[1] rotaviruses provides evidence for direct bovine-to-human interspecies transmission

ナイジェリアで検出されたヒトおよびウシG8P[1]株ゲノムの全塩基配列の解析

Tomihiko Ide1, Satoshi Komoto1, Adah Mohammed Ignatius2, Saori Fukuda1, Koki Taniguchi1
1) Department of Virology and Parasitology, Fujita Health University School of Medicine, 2) College of Veterinary Medicine, University of Agriculture

P1-104  Emergence of unusual DS-1-like G8P[8] rotavirus strains in Thailand

タイに出現したDS-1様G8P[8]株ゲノムの全塩基配列の解析

Satoshi Komoto1, Tomihiko Ide1, Ratana Tcharoenmuang1, Ratigorn Guntapong2, Saori Fukuda3, Takao Tsuji3, Tetsushi Yoshikawa2, Piyanit Tharmaphornpisal2, Somchai Sangkitporn2, Koki Taniguchi1
1) Department of Virology and Parasitology, Fujita Health University School of Medicine, 2) National Institute of Health, Department of Medical Sciences, 3) Department of Microbiology, Fujita Health University School of Medicine, 4) Department of Pediatrics, Fujita Health University School of Medicine, 5) Department of Disease Control, Ministry of Public Health

Room 8
Prions

Chair  Rie Hasebe  Hokkaidо University

P1-105  Dysfunction of Sortilin by prion infection

プリオン感染によるSortilin機能抑制メカニズム

Keiji Uchiyama, Suehiro Sakaguchi
Institute for Enzyme Research

P1-106  Pathological analysis of C and L BSE derived prion in Macaques

CおよびL BSE由来プリオンのマカクにおける病理学的解析

Minoru Tobiume1, Yuko Sato1, Kenichi Hagiwara2, Hiroaki Shibata3, Fumiko Ono4, Hideki Hasegawa1
1) Department of Pathology, National Institute of Infectious Diseases, 2) Dept. of Biochemistry and Cell Biology, NIID, 3) Labo. of Immunoregulation and Vaccine Research Center, NIBIOHN, 4) Dept. of Animal Risk Management, CIS
**P1-107**  Wire-QuIC reaction can detect abnormal human prion seeds from contaminated stainless steel-wire

Wire-QuICはステンレススチールワイヤー上に付着したヒトプリオンを検出できる

Tsuyoshi Mori\(^1\), Ryuichiro Atarashi\(^1\), Katsuya Satoh\(^2\), Daisuke Ishibashi\(^3\), Takehiro Nakagaki\(^3\), Noriyuki Nishida\(^3\)

1) Department of Infectious Diseases, Faculty of Medicine, University of Miyazaki, 2) Department of Locomotive Rehabilitation Science, Nagasaki University Graduate School of Biomedical Sciences, 3) Department of Molecular Microbiology and Immunology, Nagasaki University Graduate School of Biomedical Sciences

**P1-108**  Adherence ability of Escherichia coli expressing rOmpB of an isolate which is closely related to Rickettsia japonica

*Rickettsia japonica*に近縁の分離株の主要外膜蛋白質rOmpBを菌体表面に発現する大腸菌の付着能

Tsuneo Uchiyama

Department of Microbiology, Institute of Biomedical Sciences, Tokushima University Graduate School