Thursday, May 31. The First Day

Registration • Exhibit posters 12:00~

Opening Remarks Organizer **Toshio Suda** 13:00~13:10

(Department of Cell Differentiation, Keio University School of Medicine)

Session 1 : CML 13:10~14:30

Chair Koichi Akashi

(Graduate School of Medical Sciences, Kyushu University)

O-1 Identification and characterization of specific surface molecules expressed on residual chronic myeloid leukemia stem cells during TKI therapy

Hirokazu Tanaka, and Itaru Matsumura

(Department of Hematology and Rheumatology, Kinki University Faculty of Medicine)

O-2 Combination effects of type-I IFNs and imatinib against Leukemia-initiating cells in mouse CML model

Taku Sato, Mahoko Ikeda, Satoshi Yotsumoto and Toshiaki Ohteki

(Department of Biodefence Research, Medical Research Institute, Tokyo Medical and Dental University)

O-3 Regulation of Chronic Myeloid Leukemia Stem Cells by Leukemia Oncogene Evil

Tomohiko Sato, Susumu Goyama, Keisuke Kataoka, Ryo Nasu, Masahiro Nakagawa, Keiki Kumano and Mineo Kurokawa

(Department of Hematology & Oncology, Graduate School of Medicine, University of Tokyo)

O-4 Regulation of leukemia initiating cells in the hypoxic chronic myeloid leukemia niche

Keiyo Takubo, Chiharu Kobayashi, and Toshio Suda

(Department of Cell Differentiation, The Sakaguchi Laboratory of Developmental Biology, Keio University School of Medicine)

Coffee Break 14:30~14:50

Session 2 : Leukemia Stem Cell I 14:50~15:50

Chair Atsushi Hirao

(Cancer Research Institute, Kanazawa University)

O-5 Lethal myelofibrosis induced by *Bmi1*-deficient hematopoietic cells unveils a tumor suppressor function of the polycomb group genes

Atsushi Iwama

(Department of Cellular and Molecular Medicine, Graduate School of Medicine, Chiba University)

O-6 Critical pathways for maintenance of stem cells in acute myeloid leukemia

Haruko Shima[1], Yukiko Aikawa[1], Mika Shino[1], Kazutsune Yamagata[1], Takuo Katsumoto[1], Haruhiko Koseki[2], Toshio Watanabe[3], Issay Kitabayashi[1]

([1]National Cancer Center Research Institute, [2]RIKEN, [3]Nara Woman's University)

O-7 Role of TET2-mediated DNA oxygenation in hematopoiesis
Shigeru Chiba, Hideharu Muto, Terukazu Enami, Mamiko Sakata-Yanagimoto
(Department of Hematology, University of Tsukuba)

Session 3 : Leukemia Stem Cell II 15:50～16:50

Chair Shigeru Chiba
(Graduate School of Comprehensive Human Sciences, University of Tsukuba)

O-8 Roles of PI3K-AKT-mTOR signaling in the maintenance of stem cell properties in normal hematopoiesis and leukemia
Atsushi Hirao
(Division of Molecular Genetics, Cancer Research Institute, Kanazawa University)

O-9 Comprehensive profiling of cancer metabolism by the next generation proteomics
Keiichi Nakayama[1,2]
([1]Department of Molecular and Cellular Biology, Medical Institute of Bioregulation, Kyushu University, [2]CREST, JST)

O-10 Analysis of escape mechanism from tumor immunity in leukemia-initiating cells using mouse leukemia models induced by MLL-ENL oncogenes
Naoki Hosen, Jun Nakata, Hiroko Kinoshita, Katsuhiko Nakata, Kana Hasegawa, Haruo Sugiyama
(Department of Functional Diagnositc Science, Osaka University Graduate School of Medicine)

Coffee Break 16:50～17:10

Special Lecture 17:10～18:30

Chair Toshio Suda
(Keio University School of Medicine)

17:10～17:50

S-1 Dissecting hematopoietic niches
Paul S. Frenette, M. D.
(Albert Einstein College of Medicine)

17:50～18:30

S-2 The ceRNA theory and the Noncoding RNA revolution in biomedical research
Pier Paolo Pandolfi, M. D., Ph. D
(Harvard Medical School)

Poster Session 19:00～

Friday, June 1. The Second Day

Session 4 : Colon Stem Cell 8:30~9:50

Chair Yohei Shimono

(Division of Molecular and Cellular Biology, Kobe University)

O-11 Regeneration of damaged colon epithelium by transplanted colon Lgr5$^+$ stem cells maintained and expanded *in vitro*

Shiro Yui[1], Tetsuya Nakamura[2], Yasuhiro Nemoto[1], Tomohiro Mizutani[1], Masayoshi Fukuda[1], Kengo Nozaki[1], Yuuki Yamauchi[1], Wakana Mochiduki[1], Xiu Zheng[1], Takashi Nagaishi[1], Ryuichi Okamoto[2], Kiichiro Tsuchiya[1], Mamoru Watanabe[1]

([1]Department of Gastroenterology and Hepatology, Tokyo Medical and Dental University, [2]Department of Advanced Therapeutics for GI Diseases, Tokyo Medical and Dental Univeristy)

O-12 Dose-dependent roles for canonical Wnt signaling in *de novo* crypt formation and cell cycle properties of the colonic epithelium

Yasuhiro Yamada

(Center for iPS Cell Research and Application (CiRA), Institute for Integrated Cell-Material Sciences (WPI-iCeMS), Kyoto University)

O-13 The stabilization of Atoh1 protein in colon cancer acquires cancer stemness and chemoresistance

Kiichiro Tsuchiya, Yoshihito Kano, Tomohiro Mizutani, Shiro Yui, Tetsuya Nakamura and Mamoru Watanabe

(Department of Gastroenterology and Hepatology, Tokyo Medical and Dental University)

O-14 Identification and Characterization of Cell Cycle-Dependent, Novel Regulators of Gastrointestinal Cancer Stem Cells

Hideshi Ishii[1], Shinji Tanaka[2], Yoshinori Kagawa[1], Naotsugu Haraguchi[1], Noriko Gotoh[3], Masaru Ishii[4], Yuichiro Doki[1], Masaki Mori[1]

([1]Osaka University Graduate School of Medicine; [2]Tokyo Medical and Dental University; [3]Institute of Medical Science, University of Tokyo; [4]WPI-Immunology Frontier Research Center, Osaka University)

Coffee Break 9:50~10:10

Session 5 : Cancer Cell Niche 10:10~11:30

Chair Hideo Ema

(Keio University School of Medicine)

O-15 Sox11 prevents tumorigenesis of glioma-initiating cells

Takuichiro Hide[1], Tatsuya Takezaki[1], Hideo Nakamura[1], Keishi Makino[1], Jun-ichi Kuratsu[1], Toru Kondo[2]

([1]Department of Neurosurgery, Kumamoto University Graduate School, [2]Laboratory of cell lineage modulation, RIKEN Center of developmental biology)

O-16 Cellular and synthetic niche for C6 glioma stem cells
Kouichi Tabu, Norihisa Bizen, Yasuhiro Kokubu, Nozomi Muramatsu, Ikuo Nobuhisa, Tetsushi Kagawa and Tetsuya Taga
(Dept. of Stem Cell Regulation, Med. Res. Inst., Tokyo Med. & Dent. Univ.)

O-17 ErbB signaling controls tumor-initiating cells and mammosphere formation in breast cancer
Noriko Gotoh
(Division of Systems Biomedical Technology, Institute of Medical Science, University of Tokyo)

O-18 Macrophages primed by cancer stem cells differentiate into pro-tumorigenic myeloid cells and accelerate tumor progression
Masahisa Jinushi
(Research Center for Infection-associated cancer, Institute for Genetic Medicine, Hokkaido University)

Lunch 11:30～12:40

Session 6 : Leukemia and Epigenetics I 12:40～13:40

Chair Issai Kitabayashi
(National Cancer Center Research Institute)

O-19 Ablation of Fbxw7 eliminates leukemia-initiating cells by preventing quiescence
Shoichiro Takeishi[1,2], Akinobu Matsumoto[1,2], Ichiro Onoyama[1,2], Kazuhito Naka[3], Atsushi Hirao[2,3], Keiichi Nakayama[1,2]
([1]Department of Molecular and Cellular Biology, Medical Institute of Bioregulation, Kyushu University, [2]Core Research for Evolutional Science and Technology (CREST), [3]Division of Molecular Genetics, Center for Cancer and Stem Cell Research, Cancer Research Institute, Kanazawa University)

O-20 A novel molecular function for Hoxa9 in hematopoiesis and leukemogenesis
Shin'ichiro Yasunaga
(Department of Stem Cell Biology, RIRBM, Hiroshima University)

O-21 Novel microRNA inhibitory methods, microRNA inhibitory vector "TuD RNA" & 2'-O-methylated RNA-based microRNA inhibitor "S-TuD"
Takeshi Haraguchi, Hideo Iba
(Division of Host-Parasite Interaction, Department of Microbiology and Immunology, Institute of Medical Science, University of Tokyo)

Session 7 : Leukemia and Epigenetics II 13:40～15:00

Chair Atsushi Iwama
(Graduate School of Medicine, Chiba University)

O-22 MicroRNA Regulation and Transcriptional Heterogeneity of Human Cancer Stem Cells
Yohei Shimono[1], Shigeo Hisamori[2], Piero Dalerba[2], Michael Clarke[2]
([1]Division of Molecular and Cellular Biology, Kobe University, [2]Institute for Stem Cell Biology and Regenerative Medicine, Stanford University, Stanford, CA, U.S.A.)

O-23 5-methylcytosine hydroxylase TET3-mediated acquisition of astrocytic competence of mid-gestational neural stem cells

Norihisa Bizen[1], Tetsushi Kagawa[1], Toshinobu Nakamura[2], Toru Nakano[3], Tetsuya Taga[1]

([1]Department of Stem Cell Regulation, Medical Research Institute, Tokyo Medical and Dental University, [2]Department of Animal Bio-Science, Nagahama Institute of Bio-Science and Technology, [3]Department of Pathology, Graduate School of Medicine and Frontier Biosciences, Osaka University)

O-24 Impaired Tet2 function leads to enlargement of hematopoietic stem cell compartment and competitive repopulation capacity

Hideharu Muto[1], Mamiko Sakata-Yanagimoto[1], Terukazu Enami[1], Yuhei Kamata[1], Phu Truong[1], Yasuyuki Miyake[1], Takayasu Kato[1], Yasuhisa Yokoyama[1], Hidekazu Nishikii[1], Naoshi Obara[1], Takayuki Shindo[2], Seishi Ogawa[3], Shigeru Chiba[1]

([1]Department of Hematology, Graduate School of Comprehensive Human Sciences, University of Tsukuba, [2]Department of Organ Regeneration, Shinsyu university,Graduate School of Medicine, [3]Cancer Genomics Project, Graduate School of Medicine, The University of Tokyo)

O-25 The deposition of histone variant H3.3 mediated by transcription factors determines hematopoietic cell fate

Jun Odawara[1,2], Kohta Miyawaki[1], Kentaro Kohno[1], Takahiro Shima[1], Masao Nagasaki[3], Yasuyuki Ohkawa[2], Koichi Akashi[1]

([1]Department of Medicine and Biosystemic Sciences, Kyushu University Graduate School of Medicine, [2]Faculty of Medicine Div. Epigenetics, Kyushu University, [3]Human Genome Center, Institute of Medical Science, Tokyo University)

Coffee Break 15:00~15:20

Cancer Stem Cell 15:20~17:00

Chair Yukimasa Shiotsu

(Kyowa Hakko Kirin Co., Ltd.)

O-26 Establishment of a New Melanoma Mouse Model 15:20~15:40

Keiko Nagata[1], Eiji Sugihara[2], Keitaro Fukuda[3], Yukimasa Shiotsu[1], Saya Hideyuki[2]

([1]Kyowa Hakko Kirin Co., Ltd.; [2]Division of Gene Regulation, Institute for Advanced Medical Research, School of Medicine, Keio University; [3]Depertment of Dermatology, School of Medicine, Keio University)

Special Lecture 15:40~16:20

S-3 Gastric cancer model by Wnt activation and inflammation

Masanobu Oshima

(Division of Genetics, Cancer Research Institute, Kanazawa University)

16:20～17:00

S-4 Splicing of CD44 regulates cancer metabolism and metastasis

Hideyuki Saya
(Division of Gene Regulation, Institute for Advanced Medical Research, School of Medicine, Keio University)

Coffee Break 17:00～17:20

Session 8 : Hematopoiesis I 17:20～18:40

Chair Mineo Kurokawa
(Graduate School of Medicine, University of Tokyo)

O-27 Single-cell gene expression analysis of hematopoietic stem cells
Terumasa Umemoto[1], Yuji Tanaka[2], Masayuki Yamato[1], Yoshiko Shiratsuchi[1], Yu Matsuzaki[1], Jun Ishihara[1,3], Teruo Okano[1]
([1]Institute of Advanced Biomedical Engineering and Science Tokyo Women's Medical University, [2]Department of Ophthalmology, Tohoku University Graduate School of Medicine, [3]Division of Cellular Therapy, Institute of Medical Science, University of Tokyo)

O-28 Identification of monolineage megakaryocyte progenitor cells through a previously unidentified differentiation pathway.
Hidekazu Nishikii, Kenji Matsushita, Yosuke Kanazawa, Yasuhisa Yokoyama, Naoshi Obara, Takayasu Kato, Mamiko Sakata-Yanagimoto, Shigeru Chiba
(Department of hematology, University of Tsukuba)

O-29 Identification of the earliest branch point for myelo-erythroid development in adult hematopoiesis
Kohta Miyawaki[1], Kentaro Kohno[1], Yojiro Arinobu[2], Hiromi Iwasaki[2], Akashi Koichi[1]
([1]Dept of Medicine and Biosystemic Science, Faculty of Medicine, Kyushu University, [2]Center for Cellular and Molecular Medicine Kyushu University Hospital)

O-30 The endothelial antigen ESAM monitors hematopoietic stem cell status between dormancy and self-renewal
Takao Sudo, Takafumi Yokota, Kenji Oritani, Yusuke Satoh, Hirohiko Shibayama, Sachiko Ezoe, Natsuko Fujita, Yuzuru Kanakura
(Department of Hematology and Oncology, Osaka University Graduate School of Medicine)

Poster Session 19:00～

Saturday, June 2. The Third Day

Session 9 : Hematopoiesis II 8:30～9:50

Chair Tetsuya Taga

(Medical Research Institute, Tokyo Medical and Dental University)

O-31 Nov/CCN3 Regulates Long-Term Repopulating Activity of Hematopoietic Stem Cells Via Intergin αvβ3

Jun Ishihara[1,2], Terumasa Umemoto[3], Masayuki Yamato[3], Yoshiko Shiratsuchi[3], Brian G Petrich[4], Hiromitsu Nakauchi[5], Koji Eto[5,6], Toshio Kitamura[2], Teruo Okano[3]

([1]Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University, [2]Division of Cellular Therapy, The Institute of Medical Science, The University of Tokyo, [3]Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University, [4]Department of Medicine, University of California, San Diego, [5]Division of Stem Cell Therapy, Center for Stem Cell Biology and Regenerative Medicine, The Institute of Medical Science, The University of Tokyo, [6]Center for iPS Cell Research and Application (CiRA), Kyoto University)

O-32 Maintenance of the hematopoietic stem cell pool by GPR56 signaling in bone marrow stromal cell niches

Yusuke Saito[1], Kazuko Kaneda[1], Emi Ichinara[1], Norikazu Mizuno[2], Hiroshi Itoh[2], Kazuhiro Morishita[1]

([1]Faculty of Medicine, University of Miyazaki, [2]Graduate School of Biological Sciences, Nara Institute of Science and Technology)

O-33 Hematopoietic stem and progenitors directly sense and respond to cyclic-di-GMP

Hiroshi Kobayashi[1,2], Keiyo Takubo[1], Mineo Kurokawa[2], Toshio Suda[1]

([1]Department of Cell Differentiation, The Sakaguchi Laboratory of Developmental Biology, Keio University School of Medicine, [2]Department of Hematology & Oncology, Graduate School of Medicine, University of Tokyo)

O-34 A competitive advantage of hematopoietic stem cells in the bone marrow microenvironment controlled by Spred-1

Yuko Tadokoro[1], Atsushi Hirao[1], Takayuki Hoshii[1], Kazuhito Naka[1], Koji Eto[2], Hideo Ema[2], Satoshi Yamazaki[2], Akihiko Yoshimura[3], Hiromitsu Nakauchi[2]

([1]Division of Molecular Genetics, Cancer and Stem Cell Research Program, Cancer Research Institute, Kanazawa University, [2]Division of Stem Cell Therapy, Center for Stem Cell Biology and Regenerative Medicine, The Institute of Medical Science, The University of Tokyo, [3]Department of Microbiology and Immunology, Keio University School of Medicine)

Coffee Break 9:50～10:10

Session 10 : Pluripotent Cell 10:10～11:30

Chair Yutaka Hanazono

(Center of Molecular Medicine, Jichi University)

O-35 HoxB4-Transduction of Human HSC Results in Longer-Term Engraftment Compared to Busulfan-Conditioning in Sheep after in Utero Transplantation

Tomoyuki Abe[1,2], Suguru Nitta[2], Shigeo Masuda[1], Satoshi Hayashi[3], Yoshikazu Nagao[2], Yutaka Hanazono[1]

([1]Division of Regenerative Medicine, Center for Molecular Medicine, Jichi Medical University, [2]University Farm, Department of Agriculture, Utsunomiya University, [3]Division of Fetal Medicine, Department of Maternal-Fetal and Neonatal Medicine, National Center for Child Health and Development)

O-36 Genetic Modification-free Reprogramming of Differentiated Nontumorigenic Cells into *Pluripotent* Cancer Stem Cell

Mitsuhiro Suzuki, Hajime Iida, Hikaru Ueno

(Department of Biochemistry, University of Occupational and Environmental Health, School of Medicine)

O-37 Critical role of SOX17 in the hematopoietic development from human embryonic stem cells

Mitsujiro Osawa[1,2], Yaeko Nakajima[1,2], Motohiko Oshima[1,2], Haruna Takagi[1], Mitsuhiro Endoh[2,3], Takaho Endo[4], Atsushi Iwama[1,2]

([1]Department of Cellular and Molecular Medicine, Graduate School of Medicine, Chiba University, [2]JST, CREST, [3]RIKEN, Research Center for Allergy and Immunology, [4]RIKEN, Bioinformatics And Systems Engineering)

O-38 Lactic Acid Bacteria Coverts Human Fibroblasts to Pluripotent Cells

Kunimasa Ohta

(Graduate School of Life Sciences, Kumamoto University)

Closing Remarks Next Organizer Shigeru Chiba 11:30～11:40

(Graduate School of Comprehensive Human Sciences, University of Tsukuba)

Poster Session

Thursday, May 31 19:00～
Friday, June 1 19:00～

P-1 The efficient engraftment of human hematopoiesis in Balb/c is mounted by Balb/c-specific SIRPA polymorphism that enhances binding to hCD47.
Chika Iwamoto, Katsuto Takenaka, Shingo Urata, Takahiro Shima, Toshihiro Miyamoto, Koichi Akashi
(First Department of internal medicine, Kyushu University)

P-2 Biochemical analysis of human $CD34^{+/-}$HSCs-supporting mechanisms by human bone marrow-derived mesenchymal stromal cells
Yoshikazu Matsuoka, Yutaka Sasaki, Masaya Takahashi, Ryuji Iwaki, Ryusuke Nakatsuka, Hirao Kohno, Tatsuya Fujioka, Yoshiaki Sonoda
(Dept. of Stem Cell Biol. Regen. Med., Grad Sch. of Med. Sci., Kansai Med. Univ.)

P-3 Donor MSCs react with residual host T cells to trigger the progression of cGVHD
Yumi Matsuzaki, Yukio Sato
(Center for Integrated Medical Research, Keio University, School of Medicine)

P-4 Establishment of a new immunodeficient mouse line harboring NOD-type Sirpa with highly-efficient human hematopoietic cell engraftment
Takuji Yamauchi, Shingo Urata, Katsuto Takenaka, Chika Iwamoto, Takahiro Shima, Yoshikane Kikushige, Toshihiro Miyamoto, Koichi Akashi
(Department of Medicine and Biosystemic Science, Kyushu University Graduate School of Medical Sciences)

P-5 Scmh1 composes a molecular network regulating Geminin protein to govern hematopoiesis
Yoshinori Ohno[1], Shin'ichiro Yasunaga[1], Motoaki Ohtsubo[2], Keita Saeki[1], Yoshie Nakashima[1], Yoshihiro Takihara[1]
([1]Dept. Stem Cell Biol., RIRBM, Hiroshima Univ., [2]Dept. Food and Biosci., Beppu Univ.)

P-6 MOZ is critical for MOZ/MLL-fusion-induced HoxA9/Meis1 expression and leukemia development
Takuo Katsumoto, Issay Kitabayashi
(Division of Hematopoietic Malignancy, National Cancer Center Research Institute)

P-7 Failure of teratoma formation after porcine syngenic transplant of induced pluripotent stem cells
Yoshihisa Mizukami[1], Shuh-hei Fujishiro[1], Rikiya Ishino[2], Hiroaki Shibata[3], Yutaka Furukawa[2], Eiji Kobayashi[4], Yutaka Hanazono[1,5]
([1]Division of Regenerative Medicine, Center for Molecular Medicine, Jichi Medical University, [2]Division of Regenerative Medicine, Center for Molecular Medicine, Jichi Medical University, [3]Tsukuba Primate Research Center,National Institute of Biomedical Innovation, [4]CDAMTec, Jichi Medical University, [5]JST, CREST)

P-8 Expression and function of c-Myb in hematopoietic stem cells

Hiroshi Sakamoto[1,2], Naoki Takeda[3], Paloma Garcia[4], Kiyomi Tsuji-Tamura[1,2], Saeka Hirota[1,2], Jon Frampton[4], Minetaro Ogawa[1,2]

([1]Department of Cell Differentiation, Institute of Molecular Embryology and Genetics, Kumamoto University, [2]Global COE "Cell Fate Regulation Research and Education Unit," Kumamoto University, [3]Division of Transgenic Technology, Center for Animal Resources and Development (CARD), IRDA, Kumamoto University, [4]College of Medical and Dental Science, Institute of Biomedical Research, University of Birmingham, Edgbaston, Birmingham, UK)

P-9 CD25$^+$LSK cells of chronic myeloid leukemia constitute leukemia-initiating-cell-derived niche that facilitate CML development

Chiharu kobayashi, Keiyo Takubo and Toshio Suda

(Department of Cell Differentiation, The Sakaguchi Laboratory of Developmental Biology, Keio University School of Medicine)

P-10 Amphiregulin/EGFR pathway contributes to mammoshpere formation in human breast cancer

Hiroaki Fukuda, Kunihiko Hinohara, Noriko Gotoh

(Division of Systems Biomedical Technology, The Institute of Medical Science, The University of Tokyo)

P-11 ErbB/NF-κB signaling controls mammosphere formation in human breast cancer

Kunihiko Hinohara[1], Seiichiro Kobayashi[2], Hajime Kanauchi[3], Kazuo Umezawa[4], Masaki Mori[5], Toshihisa Ogawa[6], Jun-ichiro Inoue[7], Arinobu Tojo[2], Noriko Gotoh[1]

([1]Division of Systems Biomedical Technology, Institute of Medical Science, University of Tokyo, [2]Division of Molecular Therapy, Advanced Clinical Research Center, Institute of Medical Science, University of Tokyo, [3]Department of Breast and Endocrine Surgery, Showa General Hospital, [4]Department of Applied Chemistry, Faculty of Science and Technology, Keio University, [5]Department of Gastroenterological Surgery, Osaka University, [6]Department of Breast and Endocrine Surgery, Graduate School of Medicine, University of Tokyo, [7]Division of Cellular and Molecular Biology, Institute of Medical Science, University of Tokyo)

P-12 LATS1/WARTS phosphorylates Myosin Phosphatase-Targeting Subunit 1 to counteract Polo-like Kinase 1

Shinji Kuninaka[1], Tatsuyuki Chiyoda[1], Naoyuki Sugiyama[2], Daisuke Aoki[3], Yasushi Ishihama[2,4], Hideyuki Saya[1]

([1]Division of Gene Regulation, Institute for Advanced Medical Research, Keio University School of Medicine, [2]Institute for Advanced Biosciences, Keio University, [3]Department of Obstetrics and Gynecology, Keio University School of Medicine, [4]Department of Molecular & Cellular BioAnalysis, Graduate School of Pharmaceutical Sciences, Kyoto University)

P-13 Epigenetic Regulation Maintains Cancer Stemness

Katsuya Ohta[1], Yoshihiro Kano[2], Naotsugu Haraguchi[2], Yoshinori Kagawa[1], Takahito Fukusumi[2], Shinpei Nishikawa[2], Daisuke Sakai[2], Junichi Nishimura[1], Ichiro Takemasa[1], Tsunekazu Mizushima[1], Masataka Ikeda[1], Hirofumi Yamamoto[1], Mitsugu Sekimoto[1], Taro Satoh[2], Yuichiro Doki[1], Masaki Mori[1], Hideshi Ishii[2]

([1]Department of Gastroenterological Surgery, Osaka university, [2]Department of Frontier Science for Cancer and Chemotherapy, Osaka University)

P-14 Role of sphingosine kinase-1 in proliferation of cancer stem cells
Yasunari Kanda
(Division of Pharmacology, National Institute of Health Sciences)

P-15 Maintenance of pluripotent stem cells controlled by Klf5
Takuya Azami[1], Ken Matsumoto[1,2], Hyojung Jeon[1], Satoru Takahashi[1,3], Masatsugu Ema[1,2]
([1]Department of Anatomy and Embryology, Graduate School of Comprehensive Human Science, University of Tsukuba, [2]JST PRESTO, [3]JST CREST)

P-16 A specific amino acid metabolic state of human ES/iPS cells and its significance
Nobuaki Shiraki[1,#], Yasuko Shiraki[3,#], Genta Nagae[4], Tomonori Tsuyama[1], Hiroyuki Aburatani[4], Kazuhiko Kume[1], Fumio Endo[2,3], and Shoen Kume[1,2],
([1]Department of Stem Cell Biology, Institute of Molecular Embryology and Genetics, [2]G.COE, Kumamoto University, [3]Department of Pediatrics, Graduate School of Medical Sciences, Kumamoto University, [4]Genome Science Division, Research Center for Advanced Science and Technology, The University of Tokyo, #Equal contribution)

P-17 The role of Kruppel-like factors in self-renewal of mouse ESCs
Ken Matsumoto[1], Jeon Hyojung[1], Takuya Azami[1], Satoru Takahashi[1], Hitoshi Niwa[2], Masatsugu Ema[1,3]
([1]Dept. of Anatomy & Embryology., GSCHS, Univ. of Tsukuba, [2]RIKEN, CDB, [3]JST, PREST)

P-18 Formation of vascular network structures within the cardiac cell sheets derived from mouse embryonic stem cells
Shinako Masuda, Katsuhisa Matsuura, Mie Anazawa, Shinpei Tsuruyama, Tatsuya Shimizu, Teruo Okano
(Tokyo Women's Medical University)

P-19 Transplantation of hepatic cell sheets from human bone marrow-derived mesenchymal stem cells ameliorates acute liver failure in mice
Noriko Matsumoto[1], Yoshiaki Matsumi[1], Mitsuhiko Osaki[2], Kazuo Ohashi[3], Goshi Shiota[1]
([1]Division of Molecular and Genetic Medicine, Tottori University, [2]Division of Pathological Biochemistry, Tottori University, [3]Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University)

P-20 Fbxw7α regulates the maintenance and differentiation of neural stem cells
Yasutaka Okita[1,2], Akinobu Matsumoto[1,2], Keiichi Nakayama[1,2]
([1]Department of Molecular and Cellular Biology, Medical Institute of Bioregulation, Kyushu University , [2] CREST)

P-21 Bidirectional Control of Competence in mouse and human Neural Stem Cells
Hayato Kaneda[1], Shiho Nakamura[1], Takuya Shimazaki[2], Hideyuki Okano[2]
([1]RIKEN RCAI, [2]Keio University School of Medicine)

P-22 A novel chemical screening system for understanding of pancreatic β-cell differentiation from mouse ES cells.

Daisuke Sakano[1,2], Nobuaki Shiraki[1], Masateru Kataoka[1], Kazuhide Kikawa[1,3], Fumio Endo[3], Kazuhiko Kume[1], Motonari Uesugi[4] and Shoen Kume,[1,2]

([1]Department of Stem Cell Biology, IMEG, Kumamoto University, [2]Global Center of Excellence (G-COE), Kumamoto University, [3]Department of Pediatrics, Graduate School of Medical Sciences, Kumamoto University, [4]Institute for Chemical Research and Institute for Integrated Cell-Material Sciences, Kyoto University)

P-23 Differentiation of induced pluripotent stem cells-derived neural crest cells into corneal keratocytes *in vivo*

Emi Inagaki[1], Satoru Yoshida[1], Hideyuki Miyashita[1], Hideyuki Okano[2], Kazuo Tsubota[1] and Shigeto Shimmura[1]

([1]Department of Ophthalmology, Keio University School of Medicine, [2]Department of Physiology, Keio University School of Medicine)

参加者へのご案内とお願い

1. 参加登録について

1-1. 受付場所：兵庫県立淡路夢舞台国際会議場２階ロビー
1-2. 受付時間：５月31日(木)　12時00分～
1-3. 参加費　：10,000円（会費・参加費：昼食１回（6/1)、夕食２回込み（5/31、6/1))

2. 発表について

2-1. 発表形式
・Power Point を用いて作成したデータを、リモートプレゼンシステム(演台上に設置されたマウスまたはキーボードを操作）を用いての発表となります。(スライドは使用できません。)

2-2. データ受付
1) ファイル名は「演題番号演者名.ppt」としてください。
2) ご講演の一つ前のセッション開始までに必ず、口演会場内の左前方の PC 受付にて試写を終えて頂きますようお願いいたします。
3) PC 受付では、PC 本体（Windows または Macintosh）あるいは、データ（CD-ROM または USB メモリー)で受付させて頂きます。PC 本体持込の場合でも、CD-ROM・USB メモリーに保存したバックアップデータもご用意ください。
4) 受付したデータは、発表用 PC にインストールします。発表後のデータは、発表用 PC からシンポジウム終了後に事務局で削除いたします。
5) メディア持ち込み・・・Windows のみ可能
・USB メモリー、CD-R のいずれかでお持ち込みください。
・受付 PC の OS は Windows XP、Vista、Windows 7 で、アプリケーションは Power Point 2000～2010です。
6) PC 本体持ち込み・・・Windows、Macintosh 両方共に可能
・外部モニター接続端子（MiniD-sub15ピン）を確認の上、コネクタを必要とする場合は必ず持参ください。AC アダプターは忘れないようお願い致します。
・予め、スクリーンセイバーならびに省電力設定は【なし】にしてください。
7) 動画のある方やアニメーション効果を多用される場合は、ご自身の PC をご持参ください。
8) 必ずバックアップ用のデータも、お持ちくださるようお願い致します。

3. ポスター発表について

3-1. ポスター会場
・淡路夢舞台国際会議場　２階レセプションホール B

3-2. ポスター貼付
・ポスターセッション：５月31日(木)　19時00分～
６月１日(金)　19時00分～
・通知されたポスター番号に従い、掲示をお願い致します。
・ポスターは２日間同一ポスターの貼付となります。

3-3. 貼付パネル
・パネルの大きさは全体で縦180cm×横180cm です。(演題番号は事務局準備)

3-4. ポスター撤去
・２日目（６月１日(金)）のポスターセッション終了後、宿泊施設に向かわれる際には、ポスターを撤去してお帰りください。
・６月２日午前９時の時点で撤去されていないポスターは事務局にて処分させて頂きますので、予めご了承ください。

4. 宿泊について

4-1. 宿泊施設
・ウェスティンホテル淡路

4-2. 宿泊受付
・５月31日(木)14時30分からのコーヒーブレイク時に、メインホール（口演会場）のホワイエにて、宿泊の方全員のキーケースを机に並べておりますので、各自でお取りください。
・それ以降の時間帯については、ホテルフロントにて各自でチェックインをお願いします。

4-3. 宿泊費（朝食付、税金・サービス料込み）
・ツインルームに２名宿泊した場合の１名の費用：9,000円×２泊＝18,000円
・ツインルームに１名宿泊した場合の１名の費用：13,500円×２泊＝27,000円
・６月２日(土)のチェックアウト時に各自でお支払いください。

5. 問合せ先

第10回 SCRS 幹事事務局　広瀬貴子
（慶應義塾大学医学部発生・分化生物学講座）
e-mail : t-hirose@a5.keio.jp
TEL/FAX：03-5363-3474
幹細胞シンポジウムホームページ
http://web.sc.itc.keio.ac.jp/celldiff/simpo.html

Registration Hours and PC/Data Registration

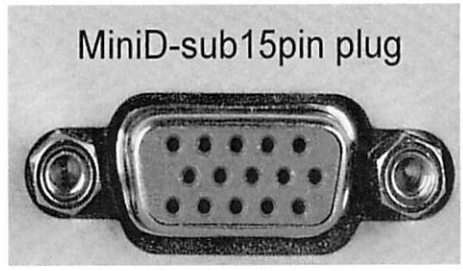
PC/Data Registration :

1. Please check your presentation date and time, and bring your PC/ Data to the PC desk next to the registration desk at least one session prior to your scheduled lecture.

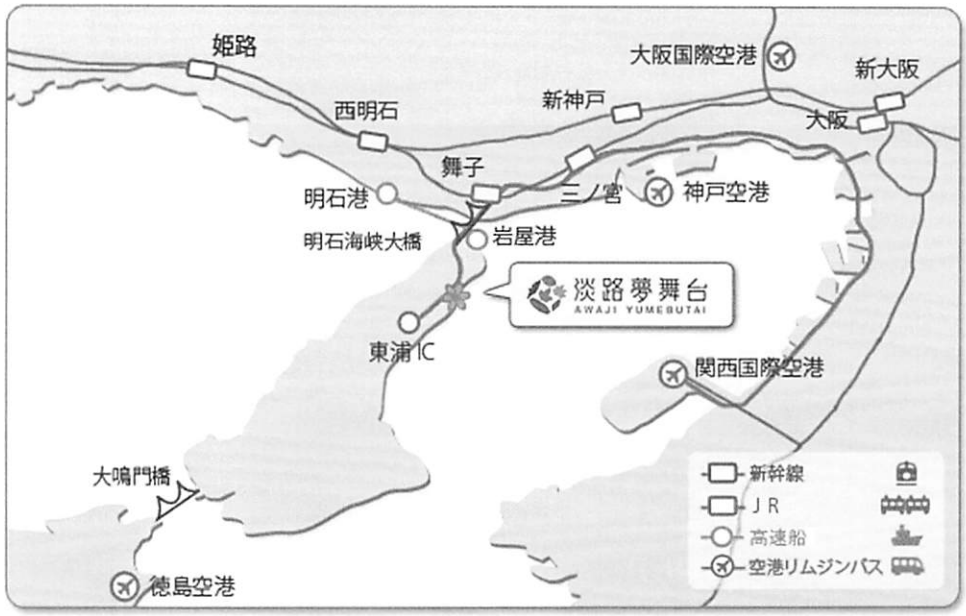
2. Please bring backup of your presentation date (USB flash memory). Only the software "Power Point" is allowed.

3. Please check your PC's "MiniDsub-15pin". If your PC doesn't have pins, please bring a converting adaptor.**MiniDsub-15pin is a junction part of a cable which connects your PC with a projector.

4. If you prefer to bring your own PC for the presentation, please do not fail to bring your AC adapter.



交通アクセス
ACCESS



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