Program

TUESDAY, JUNE 26, 2018

| 15:00–17:00 | Registration | | |
|-------------|--|---|--|
| 17:10–17:15 | Opening Remarks: Kouji MATSUSHIMA | | |
| 17:15–18:05 | Plenary Lecture 1 Chair: Kouji MATSUSHIMA T Cell Exhaustion and PD-1 Directed Immunotherapy Rafi AHMED (School of Medicine, Emory University, Rollins Research Center, USA) | | |
| 18:05–18:55 | Chair: Hiroyo Immunologi Jedd D. WOL | oshi NISHIKAWA ic Checkpoint Blockade: Exploring Combinations and Mechanisms26 | |
| 18:55–20:30 | Welcome Reception | | |
| WEDNES | DAY, JUI | NE 27, 2018 | |
| 9:00-12:20 | Session A Immunological Bases I Chairs: Hiroyoshi NISHIKAWA Ira MELLMAN | | |
| | 9:00-9:40 | [A-1] The mechanistic basis of cancer immunotherapy28 Ira MELLMAN (Cancer Immunology, Genentech, USA) | |
| | 9:40-10:10 | [A-2] The role of SASP and anti-tumor immunity in tumor microenvironment of obesity-associated liver cancer30 Naoko OHTANI (Department of Pathophysiology, Graduate School of Medicine, Osaka City University, Japan) | |

10:10-10:40 Coffee Break

| | 10:40–11:10 [A-3] A novel pathogenic role of IL-34 in cancer Ken-ichiro SEINO (Division of Immunobiology, Institute for Genetic Medicine, Hokkaido University, Japan) | |
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| | 11:10–11:50 [A-4] Cross-presenting dendritic cell within the tumor microenvironment | |
| | Stefani SPRANGER (David H. Koch Institute for Integrative Cancer Research at Massachusetts Institute of Technology, USA) | |
| | 11:50–12:20 [A-5] Immuno-genome analyses to decipher anti-tumor immune responses | |
| | Hiroyoshi NISHIKAWA (Division of Cancer Immunology, Research Institute/EPOC, National Cancer Center, Japan/ Department of Immunology, Nagoya University Graduate School of Medicine, Japan) | |
| 12:20-14:30 | Lunch | |
| 14:30–18:35 | Session B Immunological Bases II Chairs: Yutaka KAWAKAMI E. John WHERRY | |
| | 14:30–15:00 [B-1] Therapeutic vaccine immunotherapy for cancer without cytokine toxicity 38 Tsukasa SEYA (Department of Vaccine Immunology, Graduate School of Medicine, Hokkaido University, Japan) | |
| | 15:00–15:40 [B-2] Type II NKT cell-induced immunoregulatory pathway as a potential target for immunotherapy | |
| | 15:40–16:20 [B-3] Molecular Basis of T Cell Exhaustion: Insights for immunotherapy E. John WHERRY (Department of Microbiology, University of Pennsylvania, USA) | |
| | 16:20-16:50 Coffee Break | |
| | 16:50–17:20 [B-4] Immunological Subtypes of Human Cancers and their Modulations for Combination Immunotherapy Yutaka KAWAKAMI (Institute for Advanced Medical Research, Keio University School of Medicine, Japan) | |

| | 17:20–17:50 |) [B-5] Novel technologies in CAR-T cells for the treatment of solid tumors | | | |
|-------------|---|---|--|--|--|
| | | 46 | | | |
| | | Koji TAMADA (Department of Immunology, Yamaguchi University Graduate School of Medicine, Japan) | | | |
| | 17:50–18:05 | Phosphoinositide-3-kinase-delta as a regulator of regulatory T cell suppressive function 89 Ee Lyn LIM (Immunology Frontier Research Center, Osaka University, Japan) | | | |
| | 18:05–18:20 | D [Short Talk 2 (PS[I]-13)] Immunosuppressive effects of IL-6/sIL-6R on Th1-cell-mediated anti- tumor immunity in tumor-bearing hosts 98 Yasuharu NISHIMURA (Institute of Resource Development and Analysis, Kumamoto University, Japan/ Department of Immunogenetics, Graduate School of Medical Sciences, Kumamoto University, Japan) | | | |
| | 18:20–18:35 | Targeting the Hippo intracellular signaling pathway for cancer immunotherapy | | | |
| 18:35–19:30 | Dinner | | | | |
| 19:30–20:30 | Poster Dis | scussion I (Odd Numbers) | | | |
| 20:30-21:30 | Poster Session | | | | |
| THURSD | THURSDAY, JUNE 28, 2018 | | | | |
| 9:00-12:20 | Session C Immune and Cancer Metabolism Chairs: Heiichiro UDONO Greg M. DELGOFFE | | | | |
| | 9:00-9:40 | [C-1] Tumor microenvironment metabolism as a primordial checkpoint on antitumor immunity | | | |
| | 9:40-10:10 | [C-2] NRF2 addiction in cancer cells and its impact on metabolism ······50 Hozumi MOTOHASHI (Institute of Development, Aging and Cancer, Tohoku University, Japan) | | | |

| 10:10–10:40 | Modulation of fatty acid oxidation in T cells improves the PD-1 blockade therapy 52 Kenji CHAMOTO (Department of Immunology and Genomic Medicine, Kyoto University Graduate School of Medicine, Japan) |
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| 10:40–11:10 | Coffee Break |
| 11:10–11:50 | [C-4] Lipid metabolism and T-cell immunity |
| 11:50–12:20 | Metformin drives metabolic reprogramming of tumor microenvironment, leading to inhibition of tumor growth Heiichiro UDONO (Department of Immunology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan) |
| Lunch | |
| Chairs: Kazı | nologies in Cancer Research whire KAKIMI TO TRAJANOSKI |
| 14:30–15:10 | CRISPR-Cas9 genetic screens to improve adoptive cancer immunotherapies |
| 15:10–15:50 | Computing and probing cancer immunity |
| 15:50–16:20 | D [D-3] An immunogram for the cancer-immunity cycle Kazuhiro KAKIMI (Department of Immunotherapeutics, The University of Tokyo Hospital, Japan) |

16:20-16:50 Coffee Break

12:20-14:30

14:30-18:35

| | 16:50–17:20 [D-4] Landscape of natural HLA class I ligand peptides of cancer cells Toshihiko TORIGOE (Department of Pathology 1, Sapporo Medical University School of Medicine, Japan) | |
|-------------|---|--|
| | 17:20–17:50 [D-5] Single-cell gene expression profiling of the tumor microenvironment 68 Shinichi HASHIMOTO (Department of Integrative Medicine for Longevity, Graduate School of Medical Sciences, Kanazawa University, Japan) | |
| | 17:50–18:05 [Short Talk 4 (PS[II]-24)] Metabolic Reprogramming requires Stem Cell Memory T Cells phenotypes for Adoptive Immunotherapy | |
| | 18:05–18:20 [Short Talk 5 (PS[II]-38)] Chimeric antigen receptor T (CAR-T) cell therapy with intrinsic PD-1 blocking for ovarian cancer | |
| | 18:20–18:35 [Short Talk 6 (PS[II]-52)] Blocking tumor-promoting macrophages by interrupting the interaction of chemokine receptors and a cytoplasmic regulatory protein FROUNT | |
| 18:35–19:30 | Dinner | |
| 19:30–20:30 | Poster Discussion II (Even Numbers) | |
| 20:30-21:30 | Poster Session | |

FRIDAY, JUNE 29, 2018

| 9:00-12:20 | Session E Clinical Development of Cancer Immunotherapy Chairs: Kouji MATSUSHIMA Antoni RIBAS | | |
|-------------|--|--|--|
| | 9:00-9:40 | [E-1] Overcoming resistance to PD-1 blockade therapy Antoni RIBAS (Division of Hematology-Oncology, Department of Medicine, University of California, Los Angeles, USA) | |
| | 9:40-10:20 | Clonal deletion of tumor-specific T cells by combination checkpoint blockade compromises anti-tumor efficacy in low tumor burden | |
| | | States Lawrence H. FONG (Department of Hematology and Oncology, University of California, San Francisco, USA/ Helen Diller Family Comprehensive Cancer Center, University of California, San Francisco, USA) | |
| | 10:20–10:50 [E-3] Adoptive cell therapy with TCR-gene engineered T cells and Beyond | | |
| | | Hiroshi SHIKU (Immuno-Gene Therapy, Mie University Graduate School of Medicine, Japan) | |
| | 10:50-11:20 | Coffee Break | |
| | 11:20–11:50 | [E-4] The activated conformation of integrin β7 is a novel multiple myeloma-specific target for CAR T-cell therapy76 Naoki HOSEN (Department of Cancer Stem Cell Biology, Osaka University Graduate School of Medicine, Japan) | |
| | 11:50-12:20 | | |
| 12:20-12:25 | Introduction | on of The Naito Foundation | |
| 12:25–12:30 | Announce | ement of Award Recipients | |

12:35–12:40 Closing Remarks: Yutaka KAWAKAMI

12:40-13:00 Lunch