

## Department Winter Seminar Program 2021

\* 通常 Session は質疑応答を含め 1 人 15 分を目安として下さい。

\* Special Session は質疑応答を含め 1 人 20 分を目安として下さい。

12 月 13 日 (月) Dec 13, Mon 9 : 30 ~ 17 : 15

### Special Session 1

【 9 : 30~9 : 50 Chairperson / T. Torigoe 鳥越 俊彦 】

1. 3 things I learned in my first half year in the USA T. Shinkawa 新川 知世  
(University of Massachusetts Chan Medical School)

### I Cancer Immunity 1

【 9 : 50~10 : 50 Chairperson / Y. Hirohashi 廣橋 良彦 】

2. Histological insight of cancer immunity Y. Hirohashi 廣橋 良彦
3. Cisplatin upregulates PD-L1 expression by activation of HSP90/HSF1 in oral squamous cell carcinoma T. Sasaya 笹谷 聖
4. Searching for neoantigens derived from driver mutation K. Sasaki 佐々木 健太
5. Novel target for immunotherapy of cancer stem-like cells in bladder cancer cell lines. S. Yamada 山田 修平

### II Cancer Immunity 2

【 10 : 50~11 : 50 Chairperson / T. Kanaseki 金関 貴幸 】

6. Immunogenic neoantigen prediction and prioritization based on 'NAP scores' T. Kanaseki 金関 貴幸
7. Characterization of CD4+ T cells specific to a neoantigen identified in HLA class II negative colon cancer tissue S. Matsumoto 松本 哲
8. Analysis of an immunogenic HLA class I neoantigen and reactive CD8+ T cells infiltrating into an endometrial cancer tissue with mismatch-repair deficiency M. Fusagawa 房川 美渚
9. Anti-tumor ICI effects in lung cancer models with impaired MHC class I antigen processing K. Moniwa 茂庭 慶悟

### III Biology to clinics

【 11 : 50~12 : 20 Chairperson/T.Suzuki 鈴木 健史 】

10. Effect of low temperature on T cell immune synapse formation. T. Suzuki / N. Onishi 鈴木 健史  
(Department of Biology, Center for Medical Education)
11. Cancer-preventing function of highly polymerized compound caused by heating the glucose  
N. Takahashi 高橋 延昭

*Lunch Time* 【 12 : 20~13 : 20 】

### IV Patho-immunology

【 13 : 20~14 : 20 Chairperson/T.Kubo 久保 輝文 】

12. Bi-directional interaction between epithelium and immune cells in the setting of inflammation and cancer  
T. Kubo 久保 輝文
13. Framework for ovarian cancer immunotherapy. R. Tsunematsu 常松 梨紗
14. Histopathological analysis of vascular structure of placental villi in Placenta accrete spectrum  
H. Kashiwagi 柏木 葉月
15. (1) Targeting human Endoplasmic reticulum oxidoreductin 1-L $\alpha$  in novel therapy for triple negative breast cancer.  
(2) Eribulin improves the tumor immune microenvironment. A. Wada 和田 朝香

### V Cancer immunity 3

【 14 : 20~15 : 20 Chairperson/K.Murata 村田 憲治 】

16. Development of a comprehensive analytical platform for the identification of TCR-antigen pairs toward adoptive T cell therapy  
K. Murata 村田 憲治
17. Single-cell analysis of tumor-infiltrating lymphocytes in acral melanoma T. Minowa 箕輪 智幸
18. Oncogenic role of PVT1 and application to cancer therapy Y. Kikuchi 菊池 泰弘

19. The variance of differentiation within T-cells in primary tumors and metastatic lymph nodes of breast cancer patients. H. Shima 島 宏彰

*Coffee Break* 【 15 : 20~15 : 30 】

#### VI Cancer immunity 4

【 15 : 30~16 : 30 Chairperson/T. Tsukahara 塚原 智英 】

20. Immunotherapy for sarcoma T. Tsukahara 塚原 智英
21. PBF TCR-T cell therapy for sarcoma S. Hamada 濱田 修人
22. The chimeric antigen receptor T (CAR-T) therapy specific for the heat shock protein DNAJB8-derived peptide Y. Watanabe 渡部 裕人
23. Development of the artificial antibody targeting PVT1 H. Kato 加藤 大貴

*Coffee Break* 【 16 : 30~16 : 40 】

#### Special Session 2

【 16 : 40~17 : 00 Chairperson/T. Torigoe 鳥越 俊彦 】

24. Dynamics of cell interactions and communications during cancer development  
S. Hashimoto 橋本 真一  
(Wakayama Medical University)

#### VII Closing remarks

【 17 : 00~17 : 15 】

25. System immunopathology for precision cancer therapy T. Torigoe 鳥越 俊彦