

**SUMMARY OF PUBLICATIONS  
BIOSAMPLE RESEARCH CENTER**

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1.	# publications (including in-press) in 2024–present on which at least one departmental member was listed as an author or co-author	3 (2)
2.	# publications (including in-press) in 2024–present originating in your department	2 (2)
3.	# publications in #1-2 above with first author in the department	3 (2)
4.	# publications in #2 with outside investigator as first author	0
5.	# publications in #2 linked to RPs	2 (2)

\* Total number of publications, with number in the Japanese language given in parenthesis.

**1) Published and in-press reports (2022-Current):**

**<2024 - Current>**

1. Matsuda Y, Tanabe O. Whole genome sequencing analysis of somatic mutations induced in normal cells by ionizing radiation. *Radiat Biol Res Commun*, 2024; In press. (in Japanese) [RP-P3-19]
2. Tanabe O. Biorepository of atomic bomb survivors and their offspring. *Hiroshima Igaku [J Hiroshima Med Assoc]*, 2024; 77: 144-151. (in Japanese) [RP3-15]
3. Waki K, Ozawa M, Ohta K, Komatsu N, Yamada A. Tumor-derived mitochondrial formyl peptides suppress tumor immunity through modification of the tumor microenvironment. *Cancer Sci*, 2024; 115:3218-3230. [no RP]

**<Submitted for Publication>**

1. Hayashi T, Tanimoto T, Kato N, Hayashi I, Yoshida K, Imaizumi M, Hida A, Ohishi W, Tanabe O, Kyoizumi S. Exploring erythrocyte glycophorin A somatic mutations and ERCC5 genotypes in atomic bomb survivors: An association analysis. [RP3-87, RP4-04]

**<2023 >**

1. Hayashi T, Kato N, Furudoi K, Hayashi I, Kyoizumi S, Yoshida K, Kusunoki Y, Furukawa K, Imaizumi M, Hida A, Tanabe O, Ohishi W. Early-life atomic-bomb irradiation accelerates immunological aging and elevates immune-related intracellular reactive oxygen species. *Aging Cell*, 2023; 22: e13940. [RP4-02, RP3-07, RP2-11]
2. Matsuda Y, Uchimura A, Satoh Y, Kato N, Toshishige M, Kajimura J, Hamasaki K, Yoshida K, Hayashi T, Noda A, Tanabe O. Spectra and characteristics of somatic mutations induced by ionizing radiation in hematopoietic stem cells. *Proc Natl Acad Sci U S A*, 2023; 120: e2216550120. [RP-P3-19]

**<2022 >**

1. Sugawara J, Ishikuro M, Obara T, Onuma T, Murakami K, Kikuya M, Ueno F, Noda A, Mizuno S, Kobayashi T, Hamanaka Y, Suzuki K, Kodama E, Tsuchiya N, Uruno A, Suzuki Y, Tanabe O, Kiyomoto H, Tsuboi A, Shimizu A, Koshihara S, Minegishi N, Ogishima S, Tamiya G, Metoki H, Hozawa A, Fuse N, Kinoshita K, Kure S, Yaegashi N, Kuriyama S, Yamamoto M: Maternal baseline characteristics and perinatal outcomes: The Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study. *J Epidemiol*, 2022; 32: 69-79. [no RP]

**2) Meeting presentations for 2024:**

1. Uchimura A, Satoh Y, Toshishige M, Matsuda Y, Tanabe O, Kusunoki Y, Yoshida K, Noda A. Elucidating radiation effects using whole genome sequencing. 67th Annual Meeting of the Japan Radiation Research Society. 25-28 September 2024, Kitakyushu [RP3-23]
2. Yoshida K, Uchimura A, Satoh Y, Nagamura H, Yamaoka M, Maki M, Miura M, Sugiyama

**PUBLICATIONS AND MEETING PRESENTATIONS**  
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K, Matsuda Y, Tanabe O, Misumi M, Noda A, Kusunoki Y. Trajectories of clonal hematopoiesis mutations and peripheral blood indicators following high-dose X-irradiation in mice. 67th Annual Meeting of the Japan Radiation Research Society 25-28 September 2024, Kitakyushu [RP1-23-3]