Name	Hiroshi Kawamoto
Current Position	Professor, Director
Country	JAPAN
Major Field	Developmental Immunology, Hematology

Educational Background

1980-1986 Kyoto University, Faculty of Medicine (M. D.)
1989-1993 Kyoto University, Graduate School of Medicine (Ph. D. course)
1999 Ph. D. degree

Professional Experience

1986-1987 Resident, Kyoto University Hospital
1987-1989 Physician, Kansai-Denryoku Hospital, Osaka
1989-2001 Physician, Kyoto Reformatory Hospital
1993-2001 Visiting Researcher, Chest Disease Research Institute, Kyoto University
2001-2002 Assistant Professor, Faculty of Medicine, Kyoto university
2002-2012 Team Leader, Research Center for Allergy and Immunology, RIKEN
2012-2016 Professor, Institute for Frontier Medical Sciences, Kyoto University
2016-2022 Professor, Institute for Frontier Life and Medical Sciences (by integration), Kyoto University
2020-2022 Professor, Fujita Health University (cross appointment)
2022- present Professor, Institute for Life and Medical Sciences (by renaming), Kyoto University
2022- present Director, Institute for Life and Medical Sciences, Kyoto University
2022- present Visiting Professor, Fujita Health University

Other Experience and Professional Memberships

Board member, Japanese Society of Immunology

Main Scientific Publications

1. Nagahata Y, Masuda K, Nishimura Y, Ikawa T, Kawaoka S, Kitawaki T, Nannya Y, Ogawa S, Suga H, Satou Y, Takaori-Kondo A, Kawamoto H. Tracing the evolutionary history of blood cells to the unicellular ancestor of animals. **Blood**. 140(24):2611-2625. 2022
2. Kawamoto H, Masuda K, Nagano S. (Review article) Regeneration of antigen-specific T cells by using induced pluripotent stem cell (iPSC) technology. **Int. Immunol.** 33(12):827-833. 2021
3. Kashima S, Maeda T, Masuda K, Nagano S, Inoue T, Takeda M, Kono Y, Kobayashi T, Saito S, Higuchi T, Ichise H, Kobayashi Y, Iwaisako K, Terada K, Agata Y, Numakura K, Saito M, Narita S, Yasukawa M, Ogawa O, Habuchi T, Kawamoto H*. Cytotoxic T lymphocytes regenerated from iPS cells have therapeutic efficacy in a patient-derived xenograft solid tumor model. **iScience** 23, 100998, 2020.
4. Ichise H, Nagano S, Maeda T, Miyazaki M, Miyazaki Y, Kojima H, Yawata N, Yawata M, Tanaka H, Saji H, Masuda K, and Kawamoto H*. NK cell alloreactivity against KIR ligand-mismatched HLA-haploidentical tissue derived from HLA haplotype-homozygous iPS cells. **Stem Cell Reports.** 9: 853-867. 2017.
5. Maeda T, Nagano S, Ichise H, Kataoka K, Yamada D, Ogawa S, Koseki H, Kitawaki T, Kadowaki N,

Takaori-Kondo A, Masuda K, Kawamoto H*. Regeneration of CD8αβ T cells from T cell-derived iPSC imparts potent tumor antigen-specific cytotoxicity. **Cancer Research** 76: 6839-6850, 2016.

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7. Kawamoto H, T Ikawa, K Masuda, H Wada, Y Katsura. (Review article) A map for lineage restriction of progenitors during hematopoiesis: the essence of the myeloid-based model. **Immunol Rev.** 238 : 23-36: 2010
8. Ikawa, T, S Hirose, K Masuda, K Kakugawa, R Satoh, A Shibano-Satoh, R Kominami, Y Katsura, H Kawamoto. An essential developmental checkpoint for production of the T cell lineage. **Science.** 329: 93-96, 2010.
9. Wada H, Masuda K, Satoh R, Kakugawa K, Ikawa, T, Katsura Y, Kawamoto H. Adult T cell progenitors retain myeloid potential. **Nature**, 452: 768-772, 2008.
10. Masuda, K., H. Kubagawa, T. Ikawa, C. C. Chen, K. Kakugawa, M. Hattori, R. Kageyama, M. D. Cooper, N. Minato, Y. Katsura, and H. Kawamoto. Prethymic T-cell development defined by the expression of paired immunoglobulin-like receptors. **EMBO J** 24:4052-4060, 2005.
11. Kawamoto, H., Ikawa, T., Ohmura, K., Fujimoto, S., and Katsura, Y. T cell progenitors emerge earlier than B cell progenitors in the murine fetal liver. **Immunity** 12, 441-450, 2000.
12. Kawamoto, H., Ohmura, K., Katsura, Y. Direct evidence for the commitment of hematopoietic stem cells to T, B and myeloid lineages in murine fetal liver. **Int. Immunol.** 9(7):1011-1019, 1997.