

Name

Takeshi Iwasaki

Degree

M.D., Ph.D.

Citizenship

Japan

**The Place of birth**

Chicago, Illinois, U.S.A.

Education

2015 M.D. Kyoto University, Kyoto, Japan

2022 Ph.D. Kyoto University Graduate School of Medicine, Kyoto, Japan

Post Doctoral Training

2022- Kyoto University Graduate School of Medicine, Kyoto, Japan

Appointments at Hospitals

2015-2017 Resident, Tenri Hospital, Nara, Japan

2017-2022 Part-time attending physician, Department of Rheumatology and Clinical Immunology, Kyoto University Hospital, Kyoto, Japan

2018-2024 Part-time attending physician, Department of Rheumatology and Clinical Immunology, Sugita Genpaku Memorial Obama Municipal Hospital, Fukui, Japan

2018-2024 Part-time attending physician, Department of Rheumatology and Clinical Immunology, Uji Hospital, Kyoto, Japan

Professional Certificate and activity

2018 Sep Board Certified Member of the Japanese Society of Internal Medicine

2021 March Japanese College of Rheumatology-board certified rheumatologist

2024 March JCR-board certified rheumatologist instructor, Japan College of Rheumatology

Journals with peer review experience

The Lancet Rheumatology

Annals of the Rheumatic Diseases

Rheumatology

BMC Medicine

BMC Rheumatology

Frontiers in Immunology

Scientific Reports

Arthritis research and therapy

Rheumatology Advances in Practice

Journal of Gastroenterology

Honors and Awards

2024 June Young Researcher Encouragement Grant, The Fujiwara Memorial Foundation

2024 January JAX scholar award, The Jackson Laboratory

2023 March European Congress of Rheumatology Travel Award

2023 June Grant for Presentation at International Research Conferences, Kyoto University

2024 January JAX Postdoctoral Scholars

Publications

1 Iwasaki T, Kamatani Y, Sonomura K, et al. Protocol for genome-wide association study of human blood metabolites STAR Protoc 2024;5:103052.

2 Iwasaki T, Watanabe R, Hui Z, et al. Identification of the VLDLR locus associated with giant cell arteritis and the possible causal role of low-density lipoprotein cholesterol in its pathogenesis Rheumatology (Oxford), 2024:keae075

3 Iwasaki T, Ohmura K, Endo C, et al. Identification of somatic mutations in patients with ANCA-associated vasculitis. Ann Rheum Dis 2023;82:427–427. doi:10.1136/ANNRHEUMDIS-2023-EULAR.243

4 Iwasaki T, Watanabe R, Ito H, et al. Monocyte-derived transcriptomes explain the ineffectiveness of abatacept in rheumatoid arthritis. Arthritis Res Ther 2024 Jan 2;26:1

5 Iwasaki T, Kamatani Y, Sonomura K, et al. Genetic influences on human blood metabolites in the Japanese population. iScience 2023;26:105738

6 Iwasaki T, Watanabe R, Ito H, et al. Dynamics of Type I and Type II Interferon Signature

Determines Responsiveness to Anti-TNF Therapy in Rheumatoid Arthritis. *Front Immunol* 2022;13:901437.

7 **Iwasaki T**, Doi H, Tsuji H, et al. Phenotypic landscape of systemic lupus erythematosus: An analysis of the Kyoto Lupus Cohort. *Mod Rheumatol* 2022;32:571–6.

8 **Iwasaki T**, Nakabo S, Terao C, et al. Long-term follow-up of patients with anti-cyclic citrullinated peptide antibody-positive connective tissue disease: a retrospective observational study including information on the HLA-DRB1 allele and citrullination dependency. *Arthritis Res Ther* 2020;22:248.

9 **Iwasaki T**, Nakamura Y, Nakayama S, et al. TAFRO syndrome complicated with occlusion of multiple cerebral arteries. *Mod Rheumatol case reports* 2018;2:214–20.

10 **Iwasaki T**, Fukushima M, Shiba T, et al. Familial intestinal Behçet's disease: A case report. *Tenri Med Bull* 2017;20:38–43.

11 **Iwasaki T**, Iioka F, Taniguchi T, et al. Intractable hemorrhage from the site of bone marrow aspiration and trephine biopsy. *Tenri Med Bull* 2017;20:115–8.

12 Fuseya Y, Kadoba K, Liu X, **Iwasaki T**, et al. Attenuation of HOIL-1L ligase activity promotes systemic autoimmune disorders by augmenting linear ubiquitin signaling *JCI insight* 2024, 9 e171108, 2024

13 Terao C, Ota M, **Iwasaki T**, et al. IgG4-related disease in the Japanese population: a genome-wide association study. *Lancet Rheumatol* 2019;1:e14–22.

14 Nakajima S, Tsuchiya H, Ota M, **Iwasaki T**, et al. Synovial Tissue Heterogeneity in Japanese Patients with Rheumatoid Arthritis Elucidated Using a Cell-Type Deconvolution Approach. *Arthritis Rheumatol*. Published online June 30, 2023.

15 Akira O, Tsuji H, Takase Y, **Iwasaki T**, et al. Comparisons of SLE-DAS and SLEDAI-2K and classification of disease activity based on the SLE-DAS with reference to patient-reported outcomes. *Rheumatology (Oxford)* 2023;;kead132.

16 Gon Y, Kandou T, Tsuruyama T, **Iwasaki T**, et al. Increased number of T cells and exacerbated inflammatory pathophysiology in a human IgG4 knock-in MRL/lpr mouse model. *PLoS One* 2023;18.

17 Nakajima T, Doi H, Watanabe R, **Iwasaki T**, et al. Factors associated with osteoporosis and fractures in patients with systemic lupus erythematosus: Kyoto Lupus Cohort. *Mod Rheumatol* 2023;21:road014.

18 Yaku A, Ishikawa Y, **Iwasaki T**, et al. Genetic architecture underlying IgG-RF production is distinct from that of IgM-RF. *Rheumatology (Oxford)* 2022;;keac593.

19 Yamaguchi E, Kadoba K, Watanabe R, **Iwasaki T**, et al. Clinical profile and outcome of large-vessel giant cell arteritis in Japanese patients: A single-centre retrospective cohort study. *Mod Rheumatol* 2022;33:175–181.

20 Mukoyama H, Shirakashi M, Tanaka N, **Iwasaki T**, et al. The clinical features of pulmonary artery involvement in Takayasu arteritis and its relationship with ischemic heart diseases and infection. *Arthritis Res Ther* 2021;23:293.

21 Takase Y, **Iwasaki T**, Doi H, et al. Correlation between irreversible organ damage and the quality of life of patients with systemic lupus erythematosus: The Kyoto Lupus Cohort survey. *Lupus* 2021;30:1577–85.

- 22 Kadoba K, Watanabe R, **Iwasaki T**, et al. A susceptibility locus in the IL12B but not LILRA3 region is associated with vascular damage in Takayasu arteritis. *Sci Rep* 2021;11:13667.
- 23 Doi H, Ohmura K, Tabuchi Y, **Iwasaki T**, et al. Validation and verification of the Japanese version of the systemic lupus erythematosus symptom checklist for patient quality of life. *Lupus* 2021;30:1108–15.
- 24 Akebo H, **Iwasaki T**, Yamasaki S, et al. Ruminococcus gnavus bacteremia without septic arthritis or intestinal lesions in a very elderly patient. *Tenri Med Bull* 2018;21:14–8.

Presentations (as a presenter only)

- 1 **Iwasaki T**, Ohmura K, Endo C, et al. "Identification of somatic mutations in patients with ANCA-associated vasculitis" The Annual Meeting of the European Alliance of Associations for Rheumatology (2023) **Selected as poster tour**
- 2 **Iwasaki T**, Watanabe R, Ito H, et al. "Monocyte-derived transcriptomes explain the ineffectiveness of abatacept in rheumatoid arthritis." The Annual Meeting of the European Alliance of Associations for Rheumatology (2023) **Selected as poster tour**
- 4 **Iwasaki T**, Watanabe R, Hashimoto M "Single cell analysis of vascular and renal biopsy tissue in autoimmune diseases." Japan Agency for Medical Research and Development group meeting (2021)
- 5 **Iwasaki T**, Watanabe R, Hiromu I, et al. "Multi-omics Analysis Identifies the Interferon Signature as a Critical Factor Affecting Responses of Rheumatoid Arthritis Patients to Anti-TNF Therapy" The 8th Conference of the Japan College of Rheumatology Basic Research (2021)
- 6 **Iwasaki T**, Kawaguchi S, Inadomi Y, et al. "Determination of the full-length HLA gene sequence by NGS short reads." The 66th Annual meeting of the Japan Society of Human Genetics (2021)
- 8 **Iwasaki T**, Doi H, Tabuchi Y, et al "Association analysis of symptoms and laboratory findings and prediction of symptom onset using a large SLE cohort." The 117th Annual Meeting of the Japanese Society of Internal Medicine (2020)
- 10 **Iwasaki T**, Doi H, Tabuchi Y, et al. "Comprehensive analysis of the correlation between organ involvement, clinical symptoms and laboratory findings in systemic lupus erythematosus." The 63rd Annual Meeting of the Japan College of Rheumatology (2019)
- 11 **Iwasaki T**, Kamatani Y, Kawaguchi S, et al. "Genetic influences and negative selection signatures on human blood metabolites in the Japanese population" The Annual Meeting of the American Society of Human Genetics (2019)
- 12 **Iwasaki T**, Iioka F, Toda Y, et al. "Prognostic significance of PML–RARA isoform in patients with acute promyelocytic leukemia (APL)" The 78th Annual Meeting of the Japanese Society of Hematology (2016)
- 13 **Iwasaki T**, Iioka F, Toda Y, et al. "A case of acute myeloid leukemia (AML) with persistent arterial hemorrhage from a bone marrow puncture site with marked hyper fibrinolytic DIC." The 212nd Meeting of Kinki regional association of the Japanese Society of Internal Medicine
- 14 **Iwasaki T**, Nakabo S, Ohmura K, et al. "Anti-CCP antibody positivity in patients with collagen diseases other than rheumatoid arthritis (RA) is not a predictor of later RA development" The

35th Annual Meeting of the Japanese Society of Inflammation and Regeneration. (2014)

Invited talks

2020 Aug 21st **Iwasaki T** "Is it possible to predict onset of symptoms of systemic lupus erythematosus?" The 13th Midwinter seminar of the Japanese Society of Clinical Immunology, Okinawa, Japan

2022 July 29th **Iwasaki T** "Type I and type II interferon kinetics dictate response to TNF inhibitors in rheumatoid arthritis." The 9th conference of the Tennozan immunology, Kyoto, Japan

2023 March 4th **Iwasaki T** "Genetic influences on human blood metabolites in the Japanese population" CCII/ CGM Joint Symposium-Genomics and Omics Study and Application to Human Biology-, Kyoto, Japan

2023 Aug 30th **Iwasaki T** "Multi-omic analysis of human traits" A seminar as a Postdoc Candidate, Bar harbor, Maine, U.S.A.