

IFI Seminar:

Roles of Runx/Cbfb complexes in immune tolerance.

Ichiro Taniuchi, M.D., Ph.D.

**Team Director, Laboratory for Transcriptional Regulation
RIKEN Center for Integrative Medical Sciences
Yokohama, Japan**

Thursday, September 17, 2026, 4:00 pm
Hörsaal B2, Boschkegasse 4A, 1090 Vienna
Host: Shinya Sakaguchi

Ichiro Taniuchi received his M.D. and Ph.D. degrees from Kyushu University in 1996. During his postdoctoral work, he investigated the mechanisms regulating *Cd4* gene expression and identified Runx transcription factors as essential regulators of *Cd4* gene silencing during CD8-lineage differentiation. Since then, his research has focused on the roles of Runx transcription factors in immune cell development. In 2004, he established his own laboratory at RIKEN and extended his research interests to include the functions of other transcription factors in health and disease. His team currently focuses on the role of Runx factors in regulating immune tolerance, anti-tumor immunity, employing cutting-edge approaches in molecular biology and genetics. He is a member of the Japanese Society for Immunology (JSI) and received the JSI Award in 2013.



Webpage: https://www.riken.jp/en/research/labs/ims/transcript_reg/

Selected recent publications:

[Runx-CBFB regulates the development of tolerogenic Thetis cells.](#)

Ogawa C, Zou C, Paucar Iza YA, Yamashita M, Park T, Harada J, Satoh-Takayama N, Kuroda M, Brown CC, **Taniuchi I.** *Nat Immunol.* 2026 Aug;27(8):1633-1642. doi: 10.1038/s41590-026-02566-8.

[Phosphorylation of Runx protein controls helper CD4⁺ T cell versus cytotoxic CD8⁺ T cell lineage choice.](#)

Ogawa C, Okuyama K, Kojo S, Nishino K, Machiyama H, Padhi AK, Takahashi H, Ebihara T, Tenno M, Zhizhen Q, Muroi S, Ito K, Sawasaki T, Zhang KYJ, Xue HH, Yokosuka T, Kosako H, **Taniuchi I.** *Nat Immunol.* 2026 Apr;27(4):799-811. doi: 10.1038/s41590-026-02441-6.

[A mutant BCL11B-N440K protein interferes with BCL11A function during T lymphocyte and neuronal development.](#)

Okuyama K, Yamashita M, Koumoundourou A, Wiegrefte C, Ohno-Oishi M, Murphy SJH, Zhao X, Yoshida H, Ebihara T, Satoh-Takayama N, Kojo S, Ohno H, Morio T, Wu Y, Puck J, Xue HH, Britsch S, **Taniuchi I.** *Nat Immunol.* 2024 Dec;25(12):2284-2296. doi: 10.1038/s41590-024-01997-5.

[Cell-type specific, inducible and acute degradation of targeted protein in mice by two degron systems.](#)

Yamashita M, Ogawa C, Zhang B, Kobayashi T, Nomura A, Barker C, Zou C, Yamanaka S, Hayashi KI, Shinkai Y, Moro K, Fargarasan S, Imami K, Seita J, Shirai F, Sawasaki T, Kanemaki MT, **Taniuchi I.** *Nat Commun.* 2024 Nov 29;15(1):10129. doi: 10.1038/s41467-024-54308-9.

HDACs as regulators of T cell-mediated immunity in health and disease

SFB-F70: A special research program funded by the Austrian Science Fund (FWF).

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SFB F70 Seminar

Tissue Inflammatory Memory: Tissue-Resident Memory CD4⁺ T Cells as Drivers of Chronic Inflammation

Kiyoshi Hirahara, M.D., Ph.D.

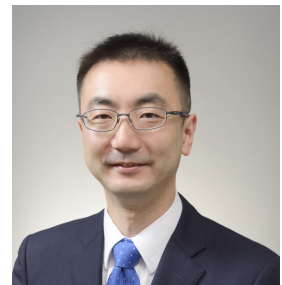
Professor, Department of Immunology,
Graduate School of Medicine, Chiba University
Chiba, Japan

Wednesday, September 23, 2026, 3:00 pm

Location: Hörsaal 1, Kinderspitalgasse 15, 1090 Vienna

Host: Shinya Sakaguchi

Kiyoshi Hirahara is Professor and Chairman of the Department of Immunology, Graduate School of Medicine, Chiba University. He received his M.D. and Ph.D. from Niigata University and trained in respiratory medicine, spending part of his graduate training at Chiba University in the laboratory of the late Prof. Toshinori Nakayama. He then joined the laboratory of Dr. John J. O'Shea at NIAMS, NIH, where he worked alongside Dr. Michael Bonelli on JAK-STAT signaling in helper T cells. He became Chairman of the Department of Immunology at Chiba University in 2022. His laboratory studies tissue inflammatory memory, addressing how pathogenic memory CD4⁺ T cells persist in tissues, sustain chronic inflammation, and disseminate to distant organs.



Webpage: <https://www.m.chiba-u.jp/dept/meneki/>

Selected recent publications:

[CD69 regulates the tissue dynamics of epigenetically imprinted memory CD4⁺ T cells.](#)

Hirasawa et al., **Sci Adv.** 2026 Apr 10;12(15):eadw1038. doi: 10.1126/sciadv.adw1038.

[Hepatic leukemia factor directs tissue residency of proinflammatory memory CD4⁺ T cells.](#)

Kiuchi et al., **Science.** 2025 Dec 11;390(6778):eadp0714. doi: 10.1126/science.adp0714

[Lipolysis-microlipophagy cascade regulated by adipose triglyceride lipase drives pathogenic adaptive type 2 immunity.](#)

Yagyu et al., **Sci Immunol.** 2025 Oct 24;10(112):eadp0849. doi: 10.1126/sciimmunol.adp0849.



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