

CURRICULUM VITAE

Name: **Masatoshi Sakurai M.D., Ph.D.**

Sex: Male

Date of Birth: October 19, 1982

Place of Birth: Tokyo, Japan

Citizenship: Japan

PRESENT ADDRESS:

OFFICE: 35 Shinanomachi, Shinjuku-ku Tokyo, Japan, Zip 160-8582

TEL: +81-3-3353-1211, FAX: +81-3-3353-3515

E-Mail: sakurai@z5.keio.jp

EDUCATION:

2014 Ph.D. (Doctorate of Medical Science), Keio University Graduate School of Medicine

2007 M.D., Keio University School of Medicine

2001 Graduated from Keio High School

PROFESSIONAL TRAINING and EMPLOYMENT:

2019-Present Assistant Professor in Division of Hematology, Department of Internal Medicine, Keio University School of Medicine

2018 Medical Staff in Division of Hematology, Department of Internal Medicine, Keio University School of Medicine

2017 Medical Staff in Department of Hematology, Tachikawa Hospital

2015-2016 Medical Staff in Division of Hematology, Department of Internal Medicine, Keio University School of Medicine

2010 Senior Resident in Internal medicine, Keio University Hospital

2009 Junior Resident, Keio University Hospital

2008 Junior Resident, Ashikaga Red Cross Hospital

2007 Passed the Examination of National Board

LICENSURE and CERTIFICATION:

National Board of Medicine

Board Certified Member of the Japanese Society of Internal Medicine

Fellow of the Japanese Society of Internal Medicine (FJSIM)

Japanese Board of Hematology

Japanese Board of Hematopoietic Stem Cell Transplantation

MEMBERSHIPS:

Japanese Society of Internal Medicine

Japanese Society of Hematology

Japan Society for Hematopoietic Stem Cell Transplantation

Japan PNH Study Group

Japanese Society of Medical Oncology

Japanese Association for Infectious Diseases

HONORS and AWARDS:

ASH Abstract Achievement Award, 2012

Japanese Society of Hematology Best Poster Award, 2015

Academic Encouragement Award of the Japanese Society of Hematology, 2016

MAJOR RESEARCH INTERESTS:

Stem cell biology

Hematopoietic stem cell transplantation

PUBLICATIONS (Selected):

1. Sakurai M, Nannya Y, Yamazaki R, Yamaguchi K, Koda Y, Abe R, Yokoyama K, Ogawa S, Mori T. Germline RUNX1 translocation in familial platelet disorder with propensity to myeloid malignancies. *Ann Hematol.* 2021 Jan 18. doi: 10.1007/s00277-021-04430-1. Online ahead of print. PMID: 33462643
2. Sakurai M, Mori T, Kato K, Kanaya M, Mizuno S, Shiratori S, Wakayama T, Uchida N, Kobayashi H, Kubo K, Amano I, Ohta T, Miyazaki Y, Kanda J, Fukuda T, Atsuta Y, Kondo E; Adult Lymphoma Working Group of the Japan Society for Hematopoietic Cell Transplantation (JSHCT). Outcome of allogeneic hematopoietic stem cell transplantation for follicular lymphoma relapsing after autologous transplantation: analysis of the Japan Society for Hematopoietic Cell Transplantation. *Bone Marrow Transplant.* 2021 Jan 29. doi: 10.1038/s41409-020-01192-8. Online ahead of print. PMID: 33514920
3. Mori T, Kikuchi T, Yamazaki R, Koda Y, Saburi M, Sakurai M, Shigematsu N, Okamoto S, Kato J. Phase 1 study of plerixafor in combination with total body irradiation-based myeloablative conditioning for allogeneic hematopoietic stem cell

- transplantation. *Int J Hematol*. 2021 Mar 1. doi: 10.1007/s12185-021-03109-7. Online ahead of print. PMID: 33644841
4. Mori T, Mikita K, Koda Y, Sakurai M, Saburi M, Hasegawa N, Kato J. Seroprevalence of *Toxoplasma gondii* among Japanese adults with hematological diseases. *Int J Hematol*. 2020 Nov;112(5):755-756.
 5. Karigane D, Kasahara H, Shiroshita K, Fujita S, Kobayashi H, Tamaki S, Yamazaki R, Yahagi K, Yatabe Y, Kondoh N, Arai T, Katagiri H, Shimizu N, Sakurai M, Kikuchi T, Kato J, Shimizu T, Hayakawa T, Yaguchi T, Matsushita M, Nakajima H, Kawakami Y, Murata M, Mori T, Sasaki T, Okamoto S, Takubo K. Detection of residual disease in chronic myeloid leukemia utilizing genomic next generation sequencing reveals persistence of differentiated Ph⁺ B cells but not bone marrow stem/progenitors. *Leuk Lymphoma*. 2020 Oct 26:1-9. doi: 10.1080/10428194.2020.1837366. Online ahead of print. PMID: 33106061
 6. Mori T, Kikuchi T, Koh M, Koda Y, Yamazaki R, Sakurai M, Tomita Y, Ozawa Y, Kohashi S, Abe R, Saburi M, Kato J. Cytomegalovirus retinitis after allogeneic hematopoietic stem cell transplantation under cytomegalovirus antigenemia-guided active screening. *Bone Marrow Transplant*. 2020 Dec 12. doi: 10.1038/s41409-020-01176-8. Online ahead of print. PMID: 33311594
 7. Shiroshita K, Mori T, Kato J, Sakurai M, Koda Y, Abe R, Murakami K, Sumiya C, Fujita S, Yamaguchi K, Yamazaki R, Nakayama H, Suzuki S, Nakahara J, Okamoto S. Clinical Characteristics of Human herpesvirus-6 Myelitis After Allogeneic Hematopoietic Stem Cell Transplantation and Its Favorable Outcome by Early Intervention. *Bone Marrow Transplant*. 2020 May;55(5):939-945.
 8. Sakurai M, Okamoto S, Matsumura I, Murakami S, Takizawa M, Waki M, Hirano D, Watanabe-Nakaseko R, Kobayashi N, Iino M, Mitsui H, Ishikawa Y, Takahashi N, Kawaguchi T, Suzuki R, Yamamoto K, Kizaki M, Ohnishi K, Naoe T, Akashi K; New TARGET investigators. Treatment Outcomes of Chronic-Phase Chronic Myeloid Leukemia With Resistance and/or Intolerance to a 1st-line Tyrosine Kinase Inhibitor in Japan: The Results of the New TARGET Study 2nd-line. *Int J Hematol*. 2020 Jun;111(6):812-825.
 9. Sakurai M, Takemoto H, Mori T, Okamoto S, Yamazaki S. In Vivo Expansion of Functional Human Hematopoietic Stem Progenitor Cells by Butyramide. *Int J Hematol*. 2020 May;111(5):739-741
 10. Sakurai M, Mori T, Uchiyama H, Ago H, Iwato K, Eto T, Iwasaki H, Kawata T, Takamatsu H, Yamasaki S, Takanashi M, Ichinohe T, Atsuta Y, Suzuki R. Outcome of Stem Cell Transplantation for Waldenström's Macroglobulinemia: Analysis of the Japan Society

for Hematopoietic Cell Transplantation (JSHCT) Lymphoma Working Group. *Ann Hematol.* 2020 Jul;99(7):1635-1642

11. Sakurai M, Jang JH, Chou WC, Kim JS, Wilson A, Nishimura JI, Chiou TJ, Kanakura Y, Lee JW, Okamoto S. Comparative study on baseline clinical characteristics of Asian versus non-Asian patients with paroxysmal nocturnal hemoglobinuria. *Int J Hematol.* 2019 Oct;110(4):411-418
12. Sakurai M, Kikuchi T, Karigane D, Kasahara H, Matsuki E, Hashida R, Yamane Y, Abe R, Koda Y, Toyama T, Kato J, Shimizu T, Yokoyama Y, Suzuki S, Nakamura T, Okamoto S, Mori T. Renal dysfunction and anemia associated with long-term imatinib treatment in patients with chronic myelogenous leukemia. *Int J Hematol.* 2019; 109: 292-298.
13. Karigane D, Kikuchi T, Sakurai M, Kato J, Yamane Y, Hashida R, Abe R, Hatano M, Hasegawa N, Wakayama M, Shibuya K, Okamoto S, Mori T. Invasive hepatic mucormycosis: A case report and review of the literature. *J Infect Chemother.* 2019; 25: 50-53.
14. Sakurai M, Karigane D, Kasahara H, Tanigawa T, Ishida A, Murakami H, Kikuchi M, Kohashi S. Geriatric screening tools predict survival outcomes in older patients with diffuse large B cell lymphoma. *Ann Hematol.* 2019; 98: 669-678.
15. Sakurai M, Kato J, Toyama T, Hashida R, Yamane Y, Abe R, Koda Y, Kohashi S, Kikuchi T, Hayashi Y, Nukaga S, Ueda S, Fukunaga K, Okamoto S, Mori T. Successful Steroid Therapy for Lipoid Pneumonia Developing After Allogeneic Hematopoietic Stem Cell Transplant: A Case Report. *Transplant Proc.* 2018; 50: 4096-4098.
16. Sakurai M, Watanuki S, Kato J, Hashida R, Yamane Y, Karigane D, Mitsuhashi T, Murata M, Ueno H, Nakazato T, Okamoto S, Mori T. Very Late Relapse of Acute Promyelocytic Leukemia 17 Years after Continuous Remission. *Intern Med.* 2018; 57: 3299-3302.
17. Yamazaki R, Kikuchi T, Kato J, Sakurai M, Koda Y, Hashida R, Yamane Y, Abe R, Hasegawa N, Okamoto S, Mori T. Recurrent bacterial pneumonia due to immunoglobulin G2 subclass deficiency after allogeneic hematopoietic stem cell transplantation: Efficacy of immunoglobulin replacement. *Transpl Infect Dis.* 2018: e12863.
18. Karigane D, Sakurai M, Matsuyama E, Ide K, Yamamoto-Takeuchi S, Inazumi T, Kohashi S. Successful treatment of breakthrough disseminated *Trichosporon asahii* fungemia in a patient with acute myeloid leukemia receiving itraconazole prophylaxis. *Med Mycol Case Rep.* 2017; 20: 1-3.
19. Kohashi S, Toyama T, Hashimoto N, Sakurai M, Kato J, Kikuchi T, Koda Y, Sugita K, Hasegawa N, Yarita K, Kamei K, Okamoto S, Mori T. Sinusitis caused by *Exserohilum*

rostratum after cord blood transplantation for myelodysplastic syndrome: A case report and literature review. *Transpl Infect Dis.* 2018; 20.

20. Sakurai M, Toyama T, Kikuchi T, Kato J, Shimizu T, Koda Y, Karigane D, Yamane Y, Abe R, Yamazaki R, Nakazato T, Nakahara T, Jinzaki M, Okamoto S, Mori T. Comparison of fluorine-18 fluorodeoxyglucose positron emission tomography with gallium-67 scintigraphy in the initial clinical staging of diffuse large B-cell lymphoma. *Int J Hematol.* 2018; 107: 194-200.
21. Namkoong H, Ishii M, Mori T, Sugiura H, Tasaka S, Sakurai M, Koda Y, Kato J, Hasegawa N, Okamoto S, Betsuyaku T. Clinical and radiological characteristics of patients with late-onset severe restrictive lung defect after hematopoietic stem cell transplantation. *BMC Pulm Med.* 2017; 17: 123.
22. Saburi M, Kohashi S, Kato J, Koda Y, Sakurai M, Toyama T, Kikuchi T, Karigane D, Yuda S, Yamane Y, Hashida R, Abe R, Nakazato T, Hirahashi J, Ogata M, Okamoto S, Mori T. Effects of calcineurin inhibitors on sodium excretion in recipients of allogeneic hematopoietic stem cell transplantation. *Int J Hematol.* 2017;106: 431-435.
23. Murakami K, Kohashi S, Sakurai M, Kato J, Toyama T, Koda Y, Yamane Y, Hashida R, Abe R, Yamazaki R, Kikuchi T, Shimizu T, Suzuki S, Hasegawa N, Okamoto S, Mori T. Hyponatremia associated with human herpesvirus-6 (HHV-6) encephalitis after allogeneic hematopoietic stem cell transplantation: A presentation different from HHV-6 myelitis. *Int J Hematol.* 2017; 106: 436-440.
24. Kato J, Mori T, Suzuki T, Ito M, Li TC, Sakurai M, Yamane Y, Yamazaki R, Koda Y, Toyama T, Hasegawa N, Okamoto S. Nosocomial BK polyomavirus infection causing hemorrhagic cystitis among patients with hematological malignancies after hematopoietic stem cell transplantation. *Am J Transplant.* 2017; 17: 2428-2433.
25. Matsushita M, Ozawa K, Suzuki T, Nakamura M, Nakano N, Kanchi S, Ichikawa D, Matsuki E, Sakurai M, Karigane D, Kasahara H, Tsukamoto N, Shimizu T, Mori T, Nakajima H, Okamoto S, Kawakami Y, Hattori Y. CXorf48 is a potential therapeutic target for achieving treatment-free remission in CML patients. *Blood Cancer J.* 2017; 7: e601.
26. Hashimoto N, Mori T, Hashida R, Sakurai M, Koda Y, Toyama T, Kato J, Okamoto S. False-positive serum (1, 3)- β -D-glucan elevation due to intake of seaweed in a hematopoietic stem cell transplant recipient. *Transpl Infect Dis.* 2017; 19.
27. Abe R, Mori T, Sakurai M, Kato J, Hashimoto N, Kikuchi T, Toyama T, Koda Y, Hasegawa N, Okamoto S., Early detection of disseminated tuberculosis after cord blood transplantation: role of pre-transplant positron emission tomography.

Journal of Hematopoietic Cell Transplantation. 2016; 5: 155-157.

28. Sakurai M, Kasahara H, Yoshida K, Yoshimi A, Kunimoto H, Watanabe N, Shiraishi Y, Chiba K, Tanaka H, Harada Y, Harada H, Kawakita T, Kurokawa M, Miyano S, Takahashi S, Ogawa S, Okamoto S, Nakajima H. Genetic basis of myeloid transformation in familial platelet disorder/acute myeloid leukemia patients with haploinsufficient *RUNX1* allele. *Blood Cancer J*. 2016; 6: e392.
29. Mori T, Kato J, Sakurai M, Hashimoto N, Kohashi S, Hashida R, Saburi M, Kikuchi T, Yamane Y, Hoshino K, Okamoto S. New-onset food allergy following cord blood transplantation in adult patients. *Bone Marrow Transplant*. 2016; 51: 295-296.
30. Chin DW, Sakurai M, Nah GS, Du L, Jacob B, Yokomizo T, Matsumura T, Suda T, Huang G, Fu XY, Ito Y, Nakajima H, Osato M. *RUNX1* haploinsufficiency results in granulocyte colony-stimulating factor hypersensitivity. *Blood Cancer J*. 2016; 6: e379.
31. Kasahara H, Mori T, Kato J, Koda Y, Kohashi S, Kikuchi T, Sakurai M, Yamane Y, Mikami S, Kameyama K, Takahashi Y, Okamoto S. Post-transplant lymphoproliferative disorder of the adrenal gland after allogeneic hematopoietic stem cell transplantation: report of two cases and literature review. *Transpl Infect Dis*. 2015; 17: 909-914.
32. Sakurai M, Mori T, Karigane D, Tozawa K, Matsuki E, Shimizu T, Yokoyama K, Nakajima H, Kanda Y, Okamoto S. Unfavorable outcome of chronic myelogenous leukemia in adolescent and young adults treated with tyrosine kinase inhibitors. *Int J Hematol*. 2015; 102: 342-348.
33. Sakurai M, Kunimoto H, Watanabe N, Fukuchi Y, Yuasa S, Yamazaki S, Nishimura T, Sadahira K, Fukuda K, Okano H, Nakauchi H, Morita Y, Matsumura I, Kudo K, Ito E, Ebihara Y, Tsuji K, Harada Y, Harada H, Okamoto S, Nakajima H. Impaired hematopoietic differentiation of *RUNX1*-mutated induced pluripotent stem cells derived from FPD/AML patients. *Leukemia*. 2014; 28: 2344-2354.
34. Kunimoto H, Fukuchi Y, Sakurai M, Takubo K, Okamoto S, Nakajima H. Tet2-mutated myeloid progenitors possess aberrant in vitro self-renewal capacity. *Blood*. 2014; 123: 2897-2899.
35. Sakurai M, Mori T, Kato J, Koda Y, Kikuchi T, Kohashi S, Saburi M, Toyama T, Aisa Y, Nakazato T, Beppu N, Tsuda S, Shigematsu N, Okamoto S. Efficacy of aprepitant in preventing nausea and vomiting due to high-dose melphalan-based conditioning for allogeneic hematopoietic stem cell transplantation. *Int J Hematol*. 2014; 99: 457-462.