CURRICULUM VITAE

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LICENSE AND CERTIFICATION

2000: Japanese Medical License Registration

2004: Diploma, Japanese Pediatric Society

2009: Diploma, Japanese Society of Hematology

EDUCATIONAL HISTORY

1994 - 2000: Nagoya University School of Medicine, Nagoya, Japan
M.D.

2006 - 2010: Ph.D. course of Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
Ph.D.

EMPLOYMENT

April 2000:

Passed Examination of National Board

May 2000 - March 2002:

Internship, Anjo Kosei Hospital, Aichi, Japan

April 2002 - Sep 2003:

Medical Staff Fellow, Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan

Oct 2003 - March 2004:

Medical Staff Fellow, Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan

April 2004 - March 2007:

Medical Staff Fellow, Department of Pediatric Hematology/Oncology, Japanese Red Cross Nagoya First Hospital, Nagoya, Japan

April 2007 - present:

Medical Staff Fellow, Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan

MEMBERSHIPS

Japanese Pediatric Society

Japanese Society of Hematology

Japanese Pediatric Society of Hematology

American Society of Hematology

PUBLICATIONS

1. Yoshida N, Sakaguchi H, **Muramatsu H**, Okuno Y, Song C, Dovat S, Shimada A, Ozeki M, Ohnishi H, Teramoto T, Fukao T, Kondo N, Takahashi Y, Matsumoto K, Kato K, Kojima S. Germline IKAROS mutation associated with primary immunodeficiency that progressed to T-cell acute lymphoblastic leukemia. ***Leukemia*** 2017;31:1221-1223.

2. Taniguchi R, **Muramatsu H**, Okuno Y, Suzuki K, Obu S, Nakatochi M, Shimamura T, Takahashi Y, Horikoshi Y, Watanabe K, Kojima S. Comprehensive genetic analysis of donor cell derived leukemia with KMT2A rearrangement. ***Pediatric blood & cancer*** 2017 (in press).

3. Takagi M, Ogata S, Ueno H, Yoshida K, Yeh T, Hoshino A, Piao J, Yamashita M, Nanya M, Okano T, Kajiwara M, Kanegane H, **Muramatsu H**, Okuno Y, Shiraishi Y, Chiba K, Tanaka H, Bando Y, Kato M, Hayashi Y, Miyano S, Imai K, Ogawa S, Kojima S, Morio T. Haploinsufficiency of TNFAIP3 (A20) by germline mutation is involved in autoimmune lymphoproliferative syndrome. ***J Allergy Clin Immunol*** 2017;139:1914-1922.

4. Takagi M, Hoshino A, Yoshida K, Ueno H, Imai K, Piao J, Kanegane H, Yamashita M, Okano T, **Muramatsu H**, Okuno Y, Shiraishi Y, Chiba K, Tanaka H, Miyano S, Ogawa S, Hayashi Y, Kojima S, Morio T. Genetic heterogeneity of uncharacterized childhood autoimmune diseases with lymphoproliferation. ***Pediatric blood & cancer*** 2017 (in press).

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6. Sugimoto M, Takeichi T, **Muramatsu H**, Kojima D, Osada Y, Kono M, Kojima S, Akiyama M. Recurrent Cellulitis Caused by Helicobacter cinaedi in a Patient with X-linked Agammaglobulinaemia. ***Acta dermato-venereologica*** 2017;97:277-278.

7. Slack J, Albert MH, Balashov D, Belohradsky BH, Bertaina A, Bleesing J, Booth C, Buechner J, Buckley RH, Ouachee-Chardin M, Deripapa E, Drabko K, Eapen M, Feuchtinger T, Finocchi A, Gaspar HB, Ghosh S, Gillio A, Gonzalez-Granado LI, Grunebaum E, Gungor T, Heilmann C, Helminen M, Higuchi K, Imai K, Kalwak K, Kanazawa N, Karasu G, Kucuk ZY, Laberko A, Lange A, Mahlaoui N, Meisel R, Moshous D, **Muramatsu H**, Parikh S, Pasic S, Schmid I, Schuetz C, Schulz A, Schultz KR, Shaw PJ, Slatter MA, Sykora KW, Tamura S, Taskinen M, Wawer A, Wolska-Kus Nierz B, Cowan MJ, Fischer A, Gennery AR, Inborn Errors Working Party of the European Society for B, Marrow T, the European Society for I, Stem Cell Transplant for Immunodeficiencies in E, Center for International B, Marrow Transplant R, Primary Immunodeficiency Treatment C. Outcome of hematopoietic cell transplantation for DNA double-strand break repair disorders. ***J Allergy Clin Immunol*** 2017.

8. Shima H, Kiyokawa N, Miharu M, Tanizawa A, Kurosawa H, Watanabe A, Ito M, Tono C, Yuza Y, **Muramatsu H**, Hotta N, Okada M, Hamamoto K, Kajiwara R, Saito AM, Horibe K, Mizutani S, Adachi S, Ishii E, Shimada H. Flow cytometric analysis as an additional predictive tool of treatment response in children with chronic-phase chronic myeloid leukemia treated with imatinib. ***Pediatric blood & cancer*** 2017;64.

9. Sekiya Y, Xu Y, **Muramatsu H**, Okuno Y, Narita A, Suzuki K, Wang X, Kawashima N, Sakaguchi H, Yoshida N, Hama A, Takahashi Y, Kato K, Kojima S. Clinical utility of next-generation sequencing-based minimal residual disease in paediatric B-cell acute lymphoblastic leukaemia. ***British journal of haematology*** 2017;176:248-257.

10. Sekinaka Y, Mitsuiki N, Imai K, Yabe M, Yabe H, Mitsui-Sekinaka K, Honma K, Takagi M, Arai A, Yoshida K, Okuno Y, Shiraishi Y, Chiba K, Tanaka

H, Miyano S, **Muramatsu H**, Kojima S, Hira A, Takata M, Ohara O, Ogawa S, Morio T, Nonoyama S. Common Variable Immunodeficiency Caused by FANC Mutations. ***Journal of clinical immunology*** 2017;37:434-444.

11. Nishikawa E, Yagasaki H, Hama A, Yabe H, Ohara A, Kosaka Y, Kudo K, Kobayashi R, Ohga S, Morimoto A, Watanabe KI, Yoshida N, **Muramatsu H**, Takahashi Y, Kojima S. Long-term outcomes of 95 children with moderate aplastic anemia treated with horse antithymocyte globulin and cyclosporine. ***Pediatric blood & cancer*** 2017;64.

12. Narita A, **Muramatsu H**, Okuno Y, Sekiya Y, Suzuki K, Hamada M, Kataoka S, Ichikawa D, Taniguchi R, Murakami N, Kojima D, Nishikawa E, Kawashima N, Nishio N, Hama A, Takahashi Y, Kojima S. Development of clinical paroxysmal nocturnal haemoglobinuria in children with aplastic anaemia. ***British journal of haematology*** 2017;178:954-958.

13. Nakamura Y, Togawa Y, Okuno Y, **Muramatsu H**, Nakabayashi K, Kuroki Y, Ieda D, Hori I, Negishi Y, Togawa T, Hattori A, Kojima S, Saitoh S. Biallelic mutations in SZT2 cause a discernible clinical entity with epilepsy, developmental delay, macrocephaly and a dysmorphic corpus callosum. ***Brain Dev*** 2017.

14. **Muramatsu H**, Okuno Y, Yoshida K, Shiraishi Y, Doisaki S, Narita A, Sakaguchi H, Kawashima N, Wang X, Xu Y, Chiba K, Tanaka H, Hama A, Sanada M, Takahashi Y, Kanno H, Yamaguchi H, Ohga S, Manabe A, Harigae H, Kunishima S, Ishii E, Kobayashi M, Koike K, Watanabe K, Ito E, Takata M, Yabe M, Ogawa S, Miyano S, Kojima S. Clinical utility of next-generation sequencing for inherited bone marrow failure syndromes. ***Genet Med*** 2017;19:796-802.

15. Kurata T, Shigemura T, **Muramatsu H**, Okuno Y, Nakazawa Y. A case of GATA2-related myelodysplastic syndrome with unbalanced translocation der(1;7)(q10;p10). ***Pediatric blood & cancer*** 2017;64.

16. Kunishima S, Yusuke O, **Muramatsu H**, Kojima D, Nagai N, Takahashi Y, Kojima S. Efficacy of neutrophil non-muscle myosin heavy chain-IIA immunofluorescence analysis in determining the pathogenicity of MYH9 variants. ***Ann Hematol*** 2017;96:1065-1066.

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18. Ikeda F, Yoshida K, Toki T, Uechi T, Ishida S, Nakajima Y, Sasahara Y, Okuno Y, Kanezaki R, Terui K, Kamio T, Kobayashi A, Fujita T, Sato-Otsubo A, Shiraishi Y, Tanaka H, Chiba K, **Muramatsu H**, Kanno H, Ohga S, Ohara A, Kojima S, Kenmochi N, Miyano S, Ogawa S, Ito E. Exome sequencing identified RPS15A as a novel causative gene for Diamond-Blackfan anemia. ***Haematologica*** 2017;102:e93-e96.

19. Ichimura T, Yoshida K, Okuno Y, Yujiri T, Nagai K, Nishi M, Shiraishi Y, Ueno H, Toki T, Chiba K, Tanaka H, **Muramatsu H**, Hara T, Kanno H, Kojima S, Miyano S, Ito E, Ogawa S, Ohga S. Diagnostic challenge of Diamond-Blackfan anemia in mothers and children by whole-exome sequencing. ***International journal of hematology*** 2017;105:515-520.

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Associated With High-Risk Acute B-Cell Precursor Lymphoblastic Leukemia in Adolescents. ***J Clin Oncol*** 2016;34:3451-3459.

24. Suzuki K, **Muramatsu H**, Okuno Y, Narita A, Hama A, Takahashi Y, Yoshida M, Horikoshi Y, Watanabe K, Kudo K, Kojima S. Immunosuppressive therapy for patients with Down syndrome and idiopathic aplastic anemia. ***International journal of hematology*** 2016;104:130-133.

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29. Kitamura K, Okuno Y, Yoshida K, Sanada M, Shiraishi Y, **Muramatsu H**, Kobayashi R, Furukawa K, Miyano S, Kojima S, Ogawa S, Kunishima S. Functional characterization of a novel GFI1B mutation causing congenital macrothrombocytopenia. ***J Thromb Haemost*** 2016;14:1462-1469.

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susceptibility to mycobacterial disease in a patient with signal transducer and activator of transcription 1 (STAT1) gain-of-function mutation. ***J Allergy Clin Immunol*** 2016;137:619-622 e611.

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33. Elmahdi S, **Muramatsu H**, Narita A, Torii Y, Ismael O, Kawashima N, Okuno Y, Sekiya Y, Xu Y, Wang X, Hama A, Ito Y, Takahashi Y, Kojima S. Correlation of rabbit antithymocyte globulin serum levels and clinical outcomes in children who received hematopoietic stem cell transplantation from an alternative donor. ***Pediatr Transplant*** 2016;20:105-113.

34. Elmahdi S, **Muramatsu H**, Narita A, Ismael O, Hama A, Nishio N, Okuno Y, Xu Y, Wang X, Takahashi Y, Kojima S. Markedly High Plasma Thrombopoietin (TPO) Level is a Predictor of Poor Response to Immunosuppressive Therapy in Children With Acquired Severe Aplastic Anemia. ***Pediatric blood & cancer*** 2016;63:659-664.

35. Elmahdi S, Hama A, Manabe A, Hasegawa D, **Muramatsu H**, Narita A, Nishio N, Ismael O, Kawashima N, Okuno Y, Xu Y, Wang X, Takahashi Y, Ito M, Kojima S. A Cytokine-Based Diagnostic Program in Pediatric Aplastic Anemia and Hypocellular Refractory Cytopenia of Childhood. ***Pediatric blood & cancer*** 2016;63:652-658.

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38. Yamaguchi H, Sakaguchi H, Yoshida K, Yabe M, Yabe H, Okuno Y, **Muramatsu H**, Takahashi Y, Yui S, Shiraishi Y, Chiba K, Tanaka H, Miyano S, Inokuchi K, Ito E, Ogawa S, Kojima S. Clinical and genetic features of

dyskeratosis congenita, cryptic dyskeratosis congenita, and Hoyeraal-Hreidarsson syndrome in Japan. ***International journal of hematology*** 2015;102:544-552.

39. Wang X, **Muramatsu H**, Okuno Y, Sakaguchi H, Yoshida K, Kawashima N, Xu Y, Shiraishi Y, Chiba K, Tanaka H, Saito S, Nakazawa Y, Masunari T, Hirose T, Elmahdi S, Narita A, Doisaki S, Ismael O, Makishima H, Hama A, Miyano S, Takahashi Y, Ogawa S, Kojima S. GATA2 and secondary mutations in familial myelodysplastic syndromes and pediatric myeloid malignancies. ***Haematologica*** 2015;100:e398-401.

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41. Sakaguchi H, **Muramatsu H**, Okuno Y, Makishima H, Xu Y, Furukawa-Hibi Y, Wang X, Narita A, Yoshida K, Shiraishi Y, Doisaki S, Yoshida N, Hama A, Takahashi Y, Yamada K, Miyano S, Ogawa S, Maciejewski JP, Kojima S. Aberrant DNA Methylation Is Associated with a Poor Outcome in Juvenile Myelomonocytic Leukemia. ***PLoS ONE*** 2015;10:e0145394.

42. Okuno Y, Hoshino A, **Muramatsu H**, Kawashima N, Wang X, Yoshida K, Wada T, Gunji M, Toma T, Kato T, Shiraishi Y, Iwata A, Hori T, Kitoh T, Chiba K, Tanaka H, Sanada M, Takahashi Y, Nonoyama S, Ito M, Miyano S, Ogawa S, Kojima S, Kanegane H. Late-Onset Combined Immunodeficiency with a Novel IL2RG Mutation and Probable Revertant Somatic Mosaicism. ***Journal of clinical immunology*** 2015;35:610-614.

43. Narita A, **Muramatsu H**, Sekiya Y, Okuno Y, Sakaguchi H, Nishio N, Yoshida N, Wang X, Xu Y, Kawashima N, Doisaki S, Hama A, Takahashi Y, Kudo K, Moritake H, Kobayashi M, Kobayashi R, Ito E, Yabe H, Ohga S, Ohara A, Kojima S, Japan Childhood Aplastic Anemia Study G. Paroxysmal nocturnal hemoglobinuria and telomere length predicts response to immunosuppressive therapy in pediatric aplastic anemia. ***Haematologica*** 2015;100:1546-1552.

44. Kudo K, **Muramatsu H**, Yoshida N, Kobayashi R, Yabe H, Tabuchi K, Kato K, Koh K, Takahashi Y, Hashii Y, Kawano Y, Inoue M, Cho Y, Sakamaki H, Kawa K, Kato K, Suzuki R, Kojima S. Second allogeneic hematopoietic stem cell transplantation in children with severe aplastic anemia. ***Bone marrow***

transplantation 2015;50:1312-1315.

45. Kawashima N, Narita A, Wang X, Xu Y, Sakaguchi H, Doisaki S, **Muramatsu H**, Hama A, Nakanishi K, Takahashi Y, Kojima S. Aldehyde dehydrogenase-2 polymorphism contributes to the progression of bone marrow failure in children with idiopathic aplastic anaemia. ***British journal of haematology*** 2015;168:460-463.

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48. Hyakuna N, **Muramatsu H**, Higa T, Chinen Y, Wang X, Kojima S. Germline Mutation of CBL Is Associated With Moyamoya Disease in a Child With Juvenile Myelomonocytic Leukemia and Noonan Syndrome-Like Disorder. ***Pediatric blood & cancer*** 2015;62:542-544.

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