

Yoshiki Tokura, M.D., Ph.D.

Current Appointment

Professor and Chairman, Department of Dermatology, Hamamatsu University School of Medicine
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Birth and Place

July 17, 1954; Japan

Education and Training

1982 M.D., Hamamatsu University School of Medicine

Medical license number: 264416 (18/05/1982)

1982 Resident, Department of Dermatology, Hamamatsu University School of medicine

1984 Instructor, Department of Dermatology, Hamamatsu University School of Medicine

1988 Ph.D., Hamamatsu University School of Medicine

1989 Visiting Researcher, Department of Dermatology, Yale University School of Medicine

Appointments

1992 Assistant Professor, Department of Dermatology, Hamamatsu University School of Medicine

2000 Associate Professor, Department of Dermatology, Hamamatsu University School of Medicine

2002 Professor and Chairman, Department of Dermatology, University of Occupational and
Environmental Health

2011 Professor and Chairman, Department of Dermatology, Hamamatsu University School of
Medicine

Society Memberships

President: Japanese Society for Investigative Dermatology (JSID) 2008-2011

Vice President: Japanese Society for Dermatoallergology and Contact Dermatitis 2013-

Board of Directors: Japanese Dermatological Association (JDA) 2014-

Board of Directors: Japanese Skin Cancer Society 2012-

Board of Directors: Japanese Society for Photomedicine and Photobiology (JSPP) 2010-

Board of Directors: Japanese Committee for Sunlight Protection 2010-

Committee member: ICD11 2014-

Committee member: JaCVAM 2012

Journal Editorial Positions

Journal of Dermatological Science, Editor-in-Chief (May, 2013-)

The Journal of Dermatology, Editor-in-Chief (April, 2011 - March, 2013)

Experimental Dermatology, Editorial Board

Dermatologica Sinica, International Advisory Board

Awards and Honors

Visiting Professor, Department of Dermatology, Yale University School of Medicine (1999)

JSID Award (2001)

JSPP Award (2015)

Current Research Activities

Immunology/Allergology, Photobiology, Cutaneous lymphomas

Publications

English Books or Review articles, 40; English articles, 460

Impact factor 1681

H-index 38

Recent Publications 2014-present

Review articles

1. Tokura Y, Sawada Y, Shimauchi T: Skin manifestations of adult T-cell leukemia/lymphoma: Clinical, cytological, and immunological features. *J Dermatol* 41: 19-25, 2014.
2. Tokura Y, Yagi H, Yanaguchi H, Majima Y, Kasuya A, Ito T, Maekawa M, Hashizume H: IgG4-related skin disease. *Br J Dermatol* 171:959-67, 2014.
3. Ito T, Tokura Y: The role of cytokines/chemokines in T cell-mediated autoimmune inflammation: Lessons from hair loss in alopecia areata. *Exp Dermatol* 3: 787-791, 2014.
4. Kasuya A, Tokura Y. Attempts to accelerate wound healing. *J Dermatol Sci* 76: 169-172, 2014.
5. Tokura Y, Fujiyama T, Ikeya S, Tatsuno K, Aoshima M, Ito T: Biochemical, cytological, and immunological mechanisms of rhododendrol-induced leukoderma. *J Dermatol Sci* 77: 146-149, 2015.

Original articles

1. Sawada Y, Nakamura M, Bito T, Sakabe J, Kabashima-Kubo R, Hino R, Kobayashi M, Tokura Y: Decreased expression of acetylcholine esterase in cholinergic urticaria with hypohidrosis or anhidrosis. *J Invest Dermatol* 134: 276-279, 2014.
2. Sakabe J, Umayahara T, Hiroike M, Shimauchi T, Ito T, Tokura Y: Calcipotriol increases hCAP18 mRNA expression but inhibits extracellular LL37 peptide production in IL-17/IL-22-stimulated normal human epidermal keratinocytes. *Acta Derm Venereol* 94:512-516, 2014.
3. Sugaya M, Tokura Y, Hamada T, Tsuboi R, Moroi Y, Nakahara T, Amano M, Ishida S, Watanabe D, Tani M, Ihn H, Aoi J, Iwatsuki K: Phase II study of intravenous interferon- γ in Japanese patients with mycosis fungoides. *J Dermatol* 41: 50-56, 2014.
4. Ito T, Furukawa F, Iwatsuki K, Matsue H, Shimada S, Takigawa M, Tokura Y: Efficacious treatment of psoriasis with low-dose and intermittent cyclosporine microemulsion therapy. *J Dermatol* 41: 377-381, 2014.
5. Suzuki T, Hirakawa S, Shimauchi T, Ito T, Sakabe J, Detmar M, Tokura Y: VEGF-A promotes IL-17A-producing $\gamma\delta$ T cell accumulation in mouse skin and serves as a chemotactic factor for plasmacytoid dendritic cells. *J Dermatol Sci* 74: 116-124, 2014.
6. Yoshiki R, Kabashima K, Honda T, Nakamizo S, Sawada Y, Sugita K, Yoshioka H, Ohmori S, Malissen B, Tokura Y, Nakamura M: IL-23 from Langerhans cells is required for the development of imiquimod-induced psoriasis-like dermatitis by induction of IL-17A-producing $\gamma\delta$ T cells. *J Invest Dermatol* 134: 1912-1921, 2014.
7. Kasuya A, Sakabe J, Tokura Y: Potential application of in vivo imaging of impaired lymphatic duct to evaluate the severity of pressure ulcer in mouse model. *Sci Rep* 4: 4173, 2014.
8. Fujiyama T, Ito T, Ogawa N, Suda T, Tokura Y, Hashizume H: Preferential infiltration of interleukin-4-producing CXCR4⁺ T cells in the lesional muscle but not skin of patients with dermatomyositis. *Clin Exp Immunol* 177: 110-120, 2014.
9. Kasuya A, Sakabe J, Kageyama R, Ikeya S, Fujiyama T, Tokura Y: Successful differentiation of herpes zoster-associated erythema multiforme from generalized extension of herpes by rapid polymerase chain reaction analysis. *J Dermatol* 41: 542-544, 2014.
10. Fujiyama T, Oze I, Yagi H, Hashizume H, Matsuo K, Hino R, Kamo R, Imayama S, Hirakawa S, Ito T, Takigawa M, Tokura Y: Induction of cytotoxic T cells as a novel independent survival factor in malignant melanoma with percutaneous peptide immunization. *J Dermatol Sci* 75: 43-48, 2014.

11. Fujiwara M, Sawada M, Kasuya A, Matsushita Y, Yamada M, Fukamizu H, Magata Y, Tokura Y, Sakahara H: Measurement of cutaneous lymphatic flow rates in patients with skin cancer: area extraction method: *J Dermatol* 41: 498-504, 2014.
12. Kasuya A, Sakabe J, Kageyama R, Ikeya S, Fujiyama T, Tokura Y: Successful differentiation of herpes zoster-associated erythema multiforme from generalized extension of herpes by rapid polymerase chain reaction analysis. *J Dermatol* 41: 542-544, 2014.
13. Sakabe J, Kamiya K, Yamaguchi H, Ikeya S, Suzuki T, Aoshima M, Tatsuno K, Fujiyama T, Suzuki M, Yatagai T, Ito T, Ojima T, Tokura Y: Proteome analysis of stratum corneum from atopic dermatitis patients by hybrid quadrupole-orbitrap mass spectrometer. *J Allergy Clin Immunol* 134: 957-967.e8, 2014.
14. Sugita K, Nomura T, Ikenouchi-Sugita A, Ito T, Nakamura M, Miyachi Y, Tokura Y, Kabashima K: Influence of Th2 cells on the hair cycle/growth after repeated cutaneous application of hapten. *Clin Exp Dermatol* 39: 213-215, 2014.
15. Fujiyama T, Kawakami C, Suigita K, Kubo-Kabashima R, Sawada Y, Hino R, Nakamura M, Shimauchi T, Ito T, Kabashima K, Hashizume H, Tokura Y: Increased frequencies of Th17 cells in drug eruptions. *J Dermatol Sci* 73: 85-88, 2014.
16. Tsukasaki K, Imaizumi Y, Tokura Y, Ohshima K, Kawai K, Utsunomiya A, Amano M, Watanabe T, Nakamura S, Iwatsuki K, Kamihira S, Yamaguchi K, Shimoyama M: Meeting report on the possible proposal of an extra-nodal primary cutaneous variant in the lymphoma type of adult T-cell leukemia-lymphoma. *J Dermatol* 41: 26-28, 2014.
17. Yamaguchi H, Hata M, Fujiyama T, Ito T, Hashizume H, Tokura Y: Psychological aspects of patients with intrinsic atopic dermatitis. *Eur J Dermatol* 24: 253-254, 2014.
18. Kuriyama S, Kasuya A, Fujiyama T, Tatsuno K, Sakabe J, Yamaguchi H, Ito T, Tokura Y. Leukoderma in patients with atopic dermatitis. *J Dermatol* 2015; 42: 215-218.
19. Kasuya A, Ohta I, Tokura Y. Structural and immunological effects of skin cryoablation in a mouse model. *PLoS One* (in press).
20. Kamiya K, Aoyama Y, Yamaguchi M, Ukida A, Mizuno-Ikeda K, Fujii K, Hamada T, Tokura Y, Iwatsuki K. Detection of autoantibodies against calcium-dependent epitopes of desmoglein 3 by ethylenediamine tetraacetic acid-treated enzyme-linked immunoadsorbent assay with mammalian cell expression system. *J Dermatol* (in press).
21. Kamiya K, Sakabe J, Yamaguchi H, Suzuki T, Yatagai T, Aoshima M, Ito T, Tokura Y: Gross cystic disease fluid protein 15 in stratum corneum is a potential marker of decreased eccrine sweating for atopic dermatitis. *PLoS One* (in press).

22. Kasuya A, Hoshino T, Aoshima M, Fujiyama T, Tokura Y: TGF β /SMAD4 signaling is inhibited in tumor cells and infiltrating lymphocytes of a patient with colon cancer-associated dermatomyositis. *J Eur Acad Dermatol Venereol* (in press).
23. Ito T, Tatsuno K, Fujiyama T, Sakabe J, Tokura Y: Antihistaminic drug olopatadine downmodulates T cell chemotaxis toward CCL17 in patients with atopic dermatitis. *Allergol Int* (in press).
24. Yamaguchi H, Hirasawa N, Asakawa S, Okita K, Tokura Y: Intrinsic atopic dermatitis shows high serum nickel concentration. *Allergol Int* (in press).
25. Fujiyama T, Ikeya S, Ito T, Tatsuno K, Aoshima M, Kasuya A, Sakabe J-I, Tokura Y: Melanocyte-specific cytotoxic T lymphocytes in patients with rhododendrol-induced leukoderma. *J Dermatol Sci* 77: 190-192, 2015.
26. Nakazawa S, Niizeki H, Matsuda M, Nakabayashi K, Seki A, Mori T, Tokura Y: Prostaglandin E2 involvement in the first Japanese case of pachydermoperiostosis with *HPGD* mutation and recalcitrant leg ulcer. *J Dermatol Sci* 78: 153-155, 2015.
27. Kamiya K, Aoyama Y, Noda K, Miyake T, Yamaguchi M, Hamada T, Tokura Y, Iwatsuki K: Possible correlation of IgE autoantibody to BP180 with disease activity in bullous pemphigoid. *J Dermatol Sci* 78: 77-79, 2015.
28. Ishikawa K, Fukamizu H, Takiguchi T, Ohta Y, Tokura Y. Application of a three-microneedle device for the delivery of local anesthetics. *Patient Preference Adherence* 9: 585-588, 2015.

Case Reports

1. Ito T, Mori T, Fujiyama T, Tokura Y: Dramatic exacerbation of palmoplantar pustulosis following strongly positive nickel patch testing. *Int J Dermatol* 53: e327-e329, 2014.
2. Suzuki T, Moriki M, Shimauchi T, Ito T, Hirakawa S, Yokura Y: Subcutaneous granuloma annulare following influenza vaccination in a patient with diabetes mellitus. *Dermatologica Sinica* 32: 55-57, 2014.
3. Nakazawa S, Moriki M, Ikeya S, Sakabe J, Tokura Y: Atopic dermatitis presenting as generalized poikiloderma with filaggrin gene mutation. *J Dermatol* 41: 230-231, 2014.
4. Ikeya S, Yagyu T, Tokura Y: Langerhans cell histiocytosis presenting as a nodule beneath clitoral hood. *J Dermatol* 41: 175-176, 2014.
5. Hoshino T, Tatsuno K, Shimauchi T, Okada S, Ito T, Ono T, Ohshima K, Tokura Y: Epstein-Barr virus-associated T-cell lymphoproliferative disorder affecting skin and lung in an elderly patient. *J Dermatol* 41: 837-840, 2014.

6. Sakabe J, Kabashima-Kubo R, Kubo A, Sasaki T, Tokura Y: A Japanese case of Mal de Meleda with *SLURP1* mutation. *J Dermatol* 41: 764-765, 2014.
7. Kasuya A, Yagyu T, Tokura Y: Recurrent herpes zoster on a fixed thigh site: Its possible association with lymphoma cell invasion to femoral nerve. *J Dermatol* 41: 854-855, 2014.
8. Ito T, Suzuki T, Funakoshi A, Tokura Y: Exacerbation of alopecia areata during pegylated interferon alfa-2b therapy possibly due to collapse of hair follicle immune privilege. *Eur J Dermatol* 24:631-633, 2014.
9. Majima Y, Ikeda Y, Yagi H, Enokida K, Miura T, Tokura Y. Colonic involvement in Stevens-Johnson syndrome-like mucositis without skin lesions. *Allergol Int* 2015;64:106-8.
10. Kamiya K, Niwa H, Niwa M, Kamiya Y, Saito A, Natsume T, Tokura Y. Immunoglobulin A vasculitis in the oldest old. *J Dermatol* 2015; 42: 226-227.
11. Ito T, Suzuki T, Funakoshi A, Tokura Y: Exacerbation of alopecia areata during pegylated interferon alfa-2b therapy possibly due to collapse of hair follicle immune privilege. *Eur J Dermatol* (in press).
12. Ito T, Aoshima M, Sugiura K, Fujiyama T, Ito N, Sakabe J, Akiyama M, Maekawa M, Tokura Y: Pustular psoriasis like lesions associated with hereditary lactate dehydrogenase M-subunit deficiency without interleukin-36 receptor antagonist mutation: Long-term follow-ups of two cases. *Br J Dermatol* (in press).
13. Aoshima M, Ito T, Tokura Y: Erosive pustular dermatosis of the scalp arising concomitantly with elevation of serum matrix metalloproteinase-3 in a patient with rheumatoid arthritis. *J Dermatol* (in press).
14. Kamiya K, Kamiya E, Kimiya Y, Niwa M, Saito A, Natsum T, Niwa H, Tokura Y: Drug eruption to clavulanic acid with sparing of cellulitis-affecting site. *Allergol Int* (in press).
15. Ito T, Shimomura Y, Hayashi R, Yokura Y: Identification of a novel mutation, c.686delAins18 (p.Asp229Glyfs*22), in the LIPH gene as a compound heterozygote with c.736T>A (p.Cys246Ser) in autosomal recessive wooly hair/hypotrichosis. *J Dermatol* (in press).
16. Asahina A, Kobayashi M, Nakano K, Saito I, Yarita K, Kamei K, Tokura Y: Deep cutaneous infection with *Microspheeropsis arundinis*: report of two Japanese cases and literature review. *Acta Derm Venereol* (in press).
17. Kasuya A, et al: Simultaneous reactivation of cytomegalovirus in an adult patient with varicella. *J Dermatol* (in press).
18. Kamiya K, Aoyama Y, Kawata M, Takiguchi T, Mitsui S, Tokura Y, Iwatsuki K: Treatment of a patient with neutrophilic dermatoses with granulocyte and monocyte adsorption apheresis: effects on serum cytokine levels. *Eur J Dermatol* (in press).

19. Aoshima M, Fukuchi K, Ito T, Tokura Y: Ectopic adipose tissue with vasculitis in the calf muscle explaining spurious systemic symptoms in leg-limited cutaneous polyarteritis nodosa. *Acta Derm Venereol* (in press).

20. Kaneko Y, Tatsuno K, Fujiyama T, Ito T, Tokura Y. Recurrent Facial Erythema with Cytotoxic T Cell Infiltration as a Possible Reactive Eruption in an HTLV-1 Carrier. *Case Rep Dermatol* (in press).