

2017, December 11th

## Curriculum Vitae

**Toshiki Watanabe, M.D., Ph.D.**

Born in April 11, 1950  
Birth Place: Hokkaido, Japan  
Nationality: Japanese

### ➤ Education and Academic Career

- 1979 M.D, Faculty of Medicine, The University of Tokyo.
- 1982 Visiting Researcher, Department of Viral Oncology, Cancer Institute, Japanese Foundation for Cancer Research
- 1985 Staff Physician, 4<sup>th</sup> Department of Internal Medicine, Faculty of Medicine, The University of Tokyo.
- 1987, Ph.D. Faculty of Medicine, The University of Tokyo, Visiting Researcher, Department of Immunology, Scripps Institute, La Jolla, CA
- 1988, Research fellow, Department of Viral Oncology, Cancer Institute, Japanese Foundation for Cancer Research
- 1990 Associate Professor, The Institute of Medical Sciences, The University of Tokyo
- 2004 Professor, Department of Medical Genome Sciences, Graduate School of Frontier Sciences, The University of Tokyo
- 2007 Chairman, Department of Medical Genome Sciences, Graduate School of Frontier Sciences, The University of Tokyo
- 2015 Chairman, Department of Computational Biology and Medical Sciences, Graduate School of Frontier Sciences, The University of Tokyo
- 2016 Professor Emeritus, The University of Tokyo
- 2016-2018 Project Professor, Department of Advanced Medical Innovation, St. Marianna University Graduate School of Medicine
- 2018- Invited Specialist, Research Hospital, The Institute Medical Science, The University of Tokyo

### ➤ Research Field

- Viral Oncology, Adult T-cell leukemia/lymphoma (ATL), Human Retrovirology, Signal transduction, Epigenetics

### ➤ Activities

- President, Japanese Society of HTLV-1 and Associated Diseases (JSHAD) (2013- )
- President, International Retrovirology Association (IRVA) (2017- )  
International Board member (2007- ), Organizer of 2007 International Meeting
- Board member, International Association for Comparative Research of Leukemia and Related Diseases, IACRLRD)
- President of IACRLRD (2009-2011)
- Member, Japanese Hematology Association, Japanese Cancer Association, Japanese Association of Virology
- Editorial Board Member, Blood Journal (2019- )

### ➤ Awards

- 2007 David McFarlin Award, International Retrovirology Association (IRVA)

- 2008 13th The Prince Hitachi Prize for Comparative Oncology
- Publications
- More than 170 original papers, 20 reviews, 8 Book chapters

### Selected publications

1. Lucy Cook et al., A Revised Adult T-cell leukemia/lymphoma International Consensus Meeting Report. **J Clin Oncol** 2018, Sept. in press
2. Sato T, et al., Targeting HTLV-1-infected cells with Mogamulizumab in HTLV-1-associated myelopathy. **New Eng J Med** 378(6):529-538, 2018
3. Kataoka K, et al., Prognostic Relevance of Integrated Genetic Profiling in Adult T-cell Leukemia/Lymphoma. **Blood** 131(2):215-225, 2018.
4. Watanabe T. Adult T-cell leukemia (ATL): Molecular basis for clonal expansion and transformation of HTLV-1-infected T cells (Invited Review). **Blood** 129:1071-1081, 2017.
5. Satake M, et al., Incidence of human T-lymphotropic virus 1 infection in adolescent and adult blood donors in Japan: a nationwide retrospective cohort analysis. **Lancet Infect Dis.** 16:1246-1254, 2016.
6. Fujikawa D, et al., Polycomb-dependent epigenetic landscape in adult T-cell leukemia. **Blood** 127:1790-1802, 2016.
7. Kataoka K, et al., Integrated molecular analysis of adult T-cell leukemia/lymphoma. **Nat Genet** 47:1304-1315, 2015
8. Nakano K, et al., Viral interference with host mRNA surveillance, the nonsense-mediated mRNA decay (NMD) pathway, through a new function of HTLV-1 Rex: implications for retroviral replication. **Microbes Infect** 15:491-505, 2013.
9. Yamagishi M, et al., Polycomb-mediated loss of miR-31 activates NIK-dependent NF- $\kappa$ B pathway in adult T-cell leukemia and other cancers. **Cancer Cell** 21:121-135, 2012
10. Iwanaga M, et al., Human T-cell leukemia virus type I (HTLV-1) proviral load and disease progression in asymptomatic HTLV-1 carriers: a nationwide prospective study in Japan. **Blood** 116:1211-1219, 2010.
11. Tsukasaki K, et al., Definition, Prognostic Factors, Treatment and Response Criteria of Adult T-cell Leukemia-Lymphoma: A Proposal from an International Consensus Meeting. **J Clin Oncol** 27:453-459, 2009.
12. Watanabe M, et al., Dual targeting of transformed and untransformed HTLV-1-infected T-cells by DHMEQ, a potent and selective inhibitor of NF- $\kappa$ B, as a strategy for chemoprevention and therapy of adult T cell leukemia. **Blood** 106: 2462 - 2471, 2005
13. Horie R, et al., The NPM-ALK oncoprotein abrogates CD30 signaling and constitutive NF- $\kappa$ B activation in anaplastic large cell lymphoma. **Cancer Cell** 5, 353-364, 2004
14. Horie R, et al., Ligand-independent signaling by overexpressed CD30 drives NF- $\kappa$ B activation in Hodgkin-Reed Sternberg cells. **Oncogene** 21:2493-2503, 2002
15. Tatewaki M, et al., Constitutive overexpression of the L-selectin gene in fresh leukemic cells of adult T-cell leukemia that can be transactivated by HTLV-1 Tax. **Blood** 86: 3109-3117, 1995
16. Mochizuki M, et al., HTLV-1 and uveitis. **Lancet** 339: 1110, 1992.
17. Watanabe T, et al., Constitutive expression of parathyroid hormone-related protein (PTHrP) gene in HTLV-1 carriers and adult T cell leukemia patients which can be trans-activated by HTLV-1 tax gene. **J Exp Med** 172: 759-765, 1990
18. Watanabe T, Hirayama Y, Seki M, Yoshida M. Human T-cell leukemia virus type 1 is a member of the African subtype of simian viruses (STLV). **Virology** 148: 385-387, 1986
19. Watanabe T, Seiki M, Yoshida M. HTLV type I (US isolate) and ATL (Japanese isolate) are the same species of human retrovirus. **Virology** 133: 238-241, 1984
20. Watanabe T, et al., Retrovirus terminology. **Science** 222: 1178, 1983