

CURRICULUM VITAE

Name	Family Name:	Nakano
	Forename:	Toru
Education:		
	1975-1981	Medical School, Osaka University Awarded the degree of MD
	1988	Awarded the degree of PhD
Professional experience:		
	1981-1982	Intern, Osaka University Medical School
	1983-1984	Doctor of Internal Medicine, Sakai Hospital
Research experience:		
	1984-1988	Instructor at the Department of Pathology (Yukihiko Kitamura's Lab), Biomedical Research Institute, Osaka University Medical School working with Prof. Kitamura on hematopoiesis
	1989-1990	Visiting scientist at Thomas Graf's Lab, Differentiation Programme, EMBL working on myb oncogene
	1990-1995	Assistant professor at Department of Medical Chemistry (Tasuku Honjo's Lab) Faculty of Medicine, Kyoto University working on molecular mechanisms of hematopoiesis
	1995-2004	Professor, Department of Molecular Cell Biology, Research Institute for Microbial Diseases, Osaka University
	2004-	Professor, Department of Pathology Faculty of Frontier Biosciences and Medical School Osaka University
	2014-2016	Dean, Faculty of Frontier Biosciences, Osaka University
Award		
	2012	Medical Award of The Japan Medical Association

Toru Nakano is a Professor of the Department of Pathology, Osaka University Medical School, Osaka Japan. He received his M.D. from Osaka University Medical School in 1981. He started his scientific career by transplantation experiments of mast cells and hematopoietic stem cells. From 1989, he joined to European Molecular Biology Laboratory (EMBL) as a visiting scientist and was involved in the viral leukemogenesis of chicken. As a staff scientist, he next went on to work, first as an assistant professor (1990) and then as a lecturer (1991) at the Faculty of Medicine, Kyoto University, on a project studying the molecular mechanisms of hematopoiesis using his unique *in vitro* differentiation induction method from mouse ES cells. He took a professor position at the Research Institute for Microbial Diseases, Osaka University in 1995 and started his study of germ cell development. In 2004, he was appointed as a professor at the Graduate School of Frontier Biosciences and Medical School, Osaka University. His major interest is “How various kinds of cells are produced from single totipotent cells, zygotes?” Based on the interest, he has been studying epigenetic modification, especially DNA methylation, in spermatogenesis and in early embryogenesis. To be more precisely, his recent and major scientific themes are *de novo* DNA methylation of male germ cells by germ cell specific small RNA, pi-RNA (piwi interacting RNA) and the regulation of DNA methylation in early embryogenesis.

PUBLICATIONS

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2. Sonoda T, Hayashi C, Seike H, Nakayama H, Terasaka K, Morioka T, Nakano T, Kitamura Y.
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3. Sonoda T, Hayashi C, Seike H, Nakayama H, Terasaka K, Morioka T, Nakano T, Kitamura Y.
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4. Kitamura Y, Sonoda T, Nakano T, Nakayama H, Kitamura Y.
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5. Yokoyama M, Tomoi M, Taguchi T, Nakano T, Asai H, Ono T, Kitamura Y.
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6. Nakano T, Sonoda T, Hayashi C, Yamatodani A, Kanayama Y, Yamamura T, Asai H, Yonezawa T, Kitamura Y, Galli S J.
Fate of bone marrow derived cultured mast cells after intracutaneous, intraperitoneal and intravenous transfer into mast cell-deficient W/W^v mice; evidence that cultured mast cells can give rise to both connective tissue type and mucosal mast cells.
J Exp Med, 162:1025-1043, 1985
7. Kitamura Y, Nakano T, Kanakura Y.
Transdifferentiation between mast cell subpopulations.
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8. Kitamura Y, Sonoda T, Nakano T, Kanayama Y.
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9. Kobayashi T, Nakano T, Nakahata T, Asai H, Yagi Y, Tsuji K, Komiyama A, Akabane T, Kojima S, Kitamura Y.
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12. Sonoda S, Nakano T, Kanakura Y, Sonoda T, Asai H, Kitamura Y.
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13. Kitamura Y, Nakano T, Kanakura Y, Matsuda H.
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in the *Proceedings of the XII International Congress of Allergy and Clinical Immunology*.
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14. Nakano T, Kitamura Y, Asai H, Kitamura Y.
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