

BIOGRAPHICAL SKETCH

NAME Christopher B. Wilson, M.D.		POSITION TITLE Professor and Chair	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of California, Irvine, CA	B.S.	1968	Biology
University of California, Los Angeles, CA	M.D.	1972	Medicine
Children's Hospital, Boston, MA		1972-75	Pediatric Intern/Resident
Stanford University, Stanford, CA	Postdoc	1977-79	Infect. Dis/Immunol. Res.

RESEARCH AND PROFESSIONAL EXPERIENCE:

1975-77	U.S. Public Health Service, National Health Service Corps (Military Service)
1979-80	Acting Assistant Professor of Pediatrics, University of Washington, Seattle, WA
1980-84	Assistant Professor of Pediatrics, University of Washington, Seattle, WA
1984-89	Associate Professor of Pediatrics, University of Washington, Seattle, WA
1989-Present	Professor of Pediatrics, University of Washington, Seattle, WA
1989-Present	Professor of Immunology, University of Washington, Seattle, WA
1989-1999	Head, Div. Immunology/Rheumatology, Dept. Pediatrics, Univ. Washington, Seattle, WA
1994-1999	Head, Div. Infectious Diseases, Immunology & Rheumatology, Dept. Pediatrics, U. Washington, Seattle, WA
1999-Present	Chairman, Department of Immunology, University of Washington, Seattle, WA

HONORS:

Stafford Warren Medal for most outstanding student and Hippocratic Oath Award, UCLA School of Medicine, 1972; Hartford Foundation Fellow, 1980-83; Research Career Development Award, NIAID, 1984-89; Sidney Farber Memorial Research Award, United Cerebral Palsy Foundation, 1985; American Society for Clinical Investigation, 1987; MERIT Award, National Institutes of Health, 1989; Fellow, American Association for the Advancement of Science, 1995.

CURRENT NATIONAL SERVICE ACTIVITIES:

Member, Basic Grant Review Comm, Cystic Fibrosis Fdn; Grant Review Comm B, March of Dimes Birth Defects Fdn; National Advisory Council on Child Health & Human Development, NICHD.

PUBLICATIONS (Selected):

- Wilson CB, Westall J, Johnston L, Lewis DB, Alpert AR. Decreased production of interferon gamma by human neonatal cells: Intrinsic and regulatory deficiencies. *J Clin Invest* 77:860-867, 1986.
- Lewis DB, Prickett K, Larsen A, Grabstein K, Wilson CB. Restricted production of interleukin-4 by activated T cells. *Proc Natl Acad Sci USA* 85:9743-9747, 1988.
- Lewis DB, Yu CC, Meyer J, English BK, Kahn SJ, Wilson CB. Cellular and molecular mechanisms for reduced interleukin-4 and interferon-gamma production by neonatal T cells. *J Clin Invest* 87:194-202, 1991.
- Burchett SK, Corey L, Mohan KM, Westall J, Ashley R, Wilson CB. Diminished interferon- γ and lymphocyte proliferation in neonatal and postpartum primary herpes simplex virus infection. *J Infect Dis* 165:813-818, 1992.
- Penix L, Weaver WM, Pang Y, Young HA, Wilson CB. Two essential regulatory elements in the human interferon- γ promoter confer activation specific expression in T-cells. *J Exp Med.* 178:1483-1496, 1993.
- Young HA, Ghosh P, Ye J, Lederer J, Lichtman A, Gerard JR, Penix L, Wilson CB, Melvin AJ, McGurn ME, Lewis DB, Taub DD. Differentiation of the T helper phenotypes by analysis of the methylation state of the interferon-gamma gene. *J Immunol* 33:3603-3610, 1994.
- Penix LA, Sweetser MT, Weaver WM, Hoeffler JP, Kerppola T K, Wilson CB. The proximal regulatory element of the interferon- γ gene mediates selective expression in T cells. *J Biol Chem* 271:21964-31972, 1996.
- Sweetser MT, Hoey T, Sun Y-L, Weaver WM, Wilson CB. The roles of NFAT and YY1 in activation induced expression of the interferon- γ promoter in T cells. *J Biol Chem* 273:34775-34783, 1998.
- Hajjar AM, O'Mahony DS, Ozinsky A, Underhill DM, Aderem A, Klebanoff SJ, Wilson CB. Cutting Edge: Functional interactions between Toll-like receptor (TLR) 2 and TLR1 or TLR6 in response to phenol soluble modulin. *J Immunol* 166:15-19, 2001.

! Principal Investigator/Program Director (Last, first, middle): ___ RAMSEY, PAUL G.

10. Jackson-Grusby L, Beard C, Possemato R, Fambrough D, Csankovszki G, Dausman J, Lee P, Wilson C, Lander E, Jaenisch R. Loss of genomic methylation causes p53-dependent apoptosis and epigenetic deregulation. *Nature Genetics* 27:31-39, 2001.
11. Wolfer A, Bakker T, Wilson A, Nicolas M, Ioannidis V, Littman DR, Lee PP, Wilson CB, Held W, MacDonald HR, Radtke F. Inactivation of Notch1 in immature thymocytes does not perturb CD4 or CD8 T cell development. *Nature Immunol* 2: 235-241, 2001.
12. Lee PP, Fitzpatrick DR, Beard C, Jessup HK, Lehar S, Makar, KW, Perez-Melgosa, M, Sweetser, MT, Schlissel, MS, Nguyen S, Cherry SR, Tsai, JH, Tucker S, Weaver, WM, Kelso A, Jaenisch R, Wilson CB. A critical role for Dnmt1 and DNA methylation in T cell development, function and survival. *Immunity* 15:763-774, 2001.
13. Tucker SN, Jessup HK, Fujii H, Wilson CB. Enforced Expression of the Ikaros Isoform IK5 Decreases the Numbers of Extrathymic IEL and NK1.1+ T Cells. *Blood* 99:513-9, 2002.
14. Wilson CB, Makar KW, Pérez-Melgosa M. Epigenetic regulation of T cell fate and function. *J Infect Dis* 185:S37-S45, 2002.
15. Smith S, Liggitt D, Jeromsky E, Tan X, Skerrett S, Wilson CB. A local role for TNF- α in the pulmonary inflammatory response to *M. tuberculosis* infection, *Infect Immun.* 70: 2082-2089, 2002.
16. Hajjar AM*, Ernst RK*, Tsai JH, Wilson CB^f, Miller SI^f. Human Toll-like receptor 4 recognizes host-specific LPS modifications. *Nature Immunol* 3: 354-359, 2002. *Contributed equally; ^fshare senior authorship.
17. Wilson CB, Uittenbogaart CH, Mathis DJ. Immunology at Asilomar: from molecules to mice. *Nature Immunol* 4:300-2, 2003.
18. Chi TH, Wan M, Lee PP, Akashi K, Metzger D, Chambon P, Wilson CB, Crabtree GR. Sequential Roles of Brg, the ATPase Subunit of BAF Chromatin Remodeling Complexes, in Thymocyte Development. *Immunity* 19: 169-182, 2003.
19. Way SS, Kollmann TR, Hajjar AM, Wilson CB. Cutting Edge: Protective cell-mediated immunity to *Listeria monocytogenes* in the absence of MyD88. *J Immunol* 171: 533-537, 2003.
20. Fitzpatrick DR, Wilson CB. Methylation and demethylation in the regulation of genes, cells and responses in the immune system. *Clin Immunol*, 109:37-45, 2003.
21. Makar KW, Perez-Melgosa M, Shnyreva M, Weaver WM, Fitzpatrick DR, Wilson CB. Active recruitment of DNA methyltransferases regulates interleukin 4 in thymocytes and T cells. *Nature Immunol*, 4:1183-90, 2003.
22. Way SS, Thompson L, Lopes J, Hajjar AM, Kollmann TR, Freitag NE, Wilson CB. Characterization of flagellin expression and its role in *Listeria monocytogenes* infection and immunity. *Cell Microbiol* 6:235-242, 2004.
23. Skerrett SJ, Liggitt HD, Hajjar AM, Wilson CB. Cutting Edge: Myeloid Differentiation Factor 88 is Essential for Pulmonary Host Defense Against *Pseudomonas aeruginosa* but not *Staphylococcus aureus*. *J Immunol* 172:3377-3381, 2004.
24. Alaniz RC, Sandall R, Thomas EK, Wilson CB. Increased Dendritic Cell Numbers Impair Protective Immunity to Intra-cellular Bacteria Despite Augmenting Antigen-Specific CD8+ T Lymphocyte Responses. *J Immunol* 172:3725-3735, 2004.
25. Makar KW, Wilson CB. News and Views: Sounds of a silent Blimp-1. *Nature Immunol* 5:241-242, 2004.
26. Kollmann TR, Way SS, Harowicz H, Hajjar AM, Wilson CB. Deficient MHC class I cross-presentation of soluble antigen by murine neonatal dendritic cells. *Blood* 103:4240-4242, 2004.
27. Shnyreva, M, Weaver, W.M., Blanchette, M., Taylor, S.L., Tompa, M., Fitzpatrick, D.R., Wilson, C.B. Evolutionarily conserved sequence elements that positively regulate IFN- γ expression in T cells. *Proc. Natl. Acad. Sci. USA.* 101:12622-12627, 2004.
28. Makar, K.W., Wilson, C.B. DNA methylation is a non-redundant repressor of the Th2 effector program. *J. Immunol.*, 173:4402-4406, 2004.
29. Way, S.S., Wilson, C.B. Cutting Edge: Immunity and IFN- γ production during *Listeria monocytogenes* infection in the absence of T-bet. *J Immunol.* 173:5918-5922, 2004.