

Curriculum Vita

Robert Blake Whitaker, Jr.

Address:

Lewiston Auburn College
University of Southern Maine
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Education:

Ph.D.; Department of Epidemiology and Public Health 1980
Yale University, New Haven, CT

B.S. Biology; Bates College, Lewiston, ME 1974

Postdoctoral & Other Training:

Mediation Certificate (4 CEUs) 11/2010

Research Fellow with Dr. B. Benacerraf, Nobel Laureate 6/80 - 8/1982
Department of Pathology
Harvard Medical School, Boston, MA

Medical & Epidemiologic field experience providing vaccines to newly
contacted Amazon natives 1977, April

Current Professional Appointments:

Associate Dean of the College, Lewiston Auburn College 9/2009-present
University of Southern Maine (USM)

USM Graduate Faculty 2/2009-present

Associate Professor, Lewiston-Auburn College (LAC) USM 9/1998-present

Past Professional Appointments:

Honors Faculty, USM 9/2002-'08

Assistant Professor, LAC USM 9/97-8/98

Adjunct Professor, Applied Immunology USM 1989-1997

Scientific Advisory Staff, Department of Medicine,
Maine Medical Center 1989-1994

President & Chief Scientific Officer, ImmuNet, Lewiston, ME 1983-2/1997

Assistant Professor of Biology, Bates College, Lewiston, Maine 9/82-6/89

Instructor, Department of Pathology, Harvard Medical School 7/80-9/82

Instructor, Department of Epidemiology & Public Health,
Yale University School of Medicine 9/77-6/80

USM Teaching Portfolio:

SCI 100- Biology of Human Health with Lab
SCI 209- Human Genetics
SCI 252- Medical Microbiology with Lab
SCI 305- Molecular Physiology with Lab
SCI 315- Environmental Health (writing in the discipline instruction)
LCC 310- Science, Technology, & Society
LCC 480- Senior Seminar
LOS 470/670- Study Abroad, Costa Rica
HON 201- Interdisciplinary Inquiry in the Sciences of the Human Body
2002 USM Faculty Senate Award for Excellence in Teaching

Recent College and University Responsibilities:

LAC Safety & Security Committee	Acad. Year '99- present
LAC Faculty Peer Review Committees	AY 1998- 2010
LAC General Education Design Committee Co-chair	AY '06-'08; '11-present
LAC Lewiston Common Core Implementation Team	AY '07-'09
LAC Faculty Chair	AY '06-'08
Honors Program General Education Design Com. Member, USM Center for Integrated and Applied Environmental Toxicology	AY '04-'06 AY '03-present
Provost's Public Health Committee	Fall '05-AY'07
President's Strategic Planning Project	AY '08-'09
President's Strategic Planning Team	AY 2010
USM Strategic Planning Implementation Task Force #1 – 21 st Century University	AY'10-'11
USM NEASC Committee on Library and Other Information Resources (Std. #7)	AY'09-'11
LAC Master of Occupational Therapy ACOTE Reaccreditation Review Committee	AY'10-'11
LAC College Council	AY '09-present
University Council	AY '10-'12
Academic Affairs Leadership Team	AY '12-present

Grants Awarded:

National Science Foundation Research Award- 1984
"Photoaffinity labeling of T lymphocyte antigen receptors" (\$108,908)
NSF College Science Instrumentation Grant- 1986
"Instrumentation for a new cellular and molecular biology course" (\$87,000)
NSF Research Award- 1987
"Photoaffinity labeling of T lymphocyte activation complex" (\$129,936)
National Institutes of Health SBIR Phase I Award- 1989
"Immunotoxin therapy of allergy" (\$45,860)
Center for Innovation in Biotechnology Step Grant Award- 1995
"Production and in vitro evaluation of human IgG anti-human IFN- γ monoclonal antibodies" (\$14,700)
United States Department of Agriculture National Research Initiative Competitive Grants
Award- 1998

"Sex determination of bovine embryos by noninvasive Immuno-PCR" (\$50,000)
 co-PI with Dr. Jim Weber, University of Maine at Orono
 National Science Foundation Postdoctoral Fellowships in Science, Mathematics,
 Engineering and Technology Education (PFSMETE) Award- 1999
 "Making Science Education Accessible to Non-Traditional Students" (\$98,000)
 co-authored with Ms. Lynn Hannum (Fellow); and University of Southern Maine
 Faculty colleagues Dr. D. Harris and Dr. B. White
 USM Summer Faculty Research Award- 1999
 "Induction of Superovulation by Inhibin Immunization" (\$9,899)
 Maine Technology Institute Grant Seed Grant- 2000
 "Development of a viability test for bovine embryos" (\$10,000) with co-investigators
 Dr. Jim Weber and Dr. Joe Crabb
 USM Faculty Senate Research Award-2008
 "Quantitation of Genetic Damage in Androscoggin River Smallmouth Bass" (\$2,920)

Publications:

1. Whitaker, R.B., and N.H. Ruddle. 1980. Antigen specific T cell hybrids I. Ovalbumin binding T cell hybrid. *Cell. Immunol.* 55:56-65.
2. Whitaker, R.B., J.T. Nepom, M-S. Sy, M. Takaoki, C.F. Gramm, I. Fox, R.N. Germain, M.J. Nelles, M.I. Greene, and B. Benacerraf. 1981. Suppressor factor from a T cell hybrid inhibits delayed-type hypersensitivity responses to azobenzenearsonate. *Proc. Nat.Acad. Sci. USA* 78:6441-6445.
3. Greene, M.I., J.S. Bromberg, J. Nepom, R. Finberg, K. Rock, B. Whitaker, R.N. Germain, A. Nisonoff, B. Benacerraf, and M-S. Sy. The role of idiotypy in guiding cellular responses to immunoglobulin idiotypes. In: Janeway, C.A., Sercarz, E.E., and Wigzell, H. eds. *ICN-UCLA Symposia on Molecular and Cellular Biology*. Vol. XX, 1981.
4. Takaoki, M., M-S. Sy, B. Whitaker, J.T. Nepom, R. Finberg, R.N. Germain, A. Nisonoff, B. Benacerraf, and M.I. Greene. 1982. Biologic activity of an idiotypic-bearing suppressor T cell factor produced by long-term T cell hybridoma. *J. Immunol.* 128:49-53.
5. Whitaker, R.B., R.S. Kaufman, M. Che, and R. Finberg. 1982. CT hybridomas: Tumor cells capable of lysing virally infected target cells. *J. Immunol.* 129:900-903.
6. Ginsburg, C.H., J.T. Drambrauskas, R.B. Whitaker, Z.M. Falchuk, and M.I. Greene. 1984. Prevention of granuloma development in the mouse by using T cell hybridoma products. *J. Immunol.* 132:203-208.
7. Flood, P.M., B. Chue, and R.B. Whitaker. 1985. Information transfer between T cell subsets is directed by I-J+ antigen nonspecific molecules. *J. Immunol.* 135:933-940.
8. Whitaker, R.B. 1987. Immunotoxin therapy of allergy. United States Patent No. 4,714,759. Issued December 22, 1987. United States Patent Office, Washington, D.C.
9. Hannum*, L.G., C.B. Shuster*, and R.B. Whitaker. 1989. Photohaptent specific murine T cell hybrids. *FASEB J.* 3(3):A814.
10. R.B. Whitaker, C.B. Shuster*, and L.G. Hannum*. 1989. Immunotoxin modulation of IgE titers. *J. Cell. Biochem.* 13C:79.
11. Whitaker, R.B. 1994. Methods for human monoclonal antibody production. European Patent Office No. 93908394.5-2116, Munchen, FRG.
12. Whitaker, B. and T. G. Coste. 2001. Developing an Effective IT Integration and Support System. *Journal of Information Technology Education*, 1(1):53-64.
13. Chamberland*, K., B. Lindroth*, and B. Whitaker. 2002. Genotoxicity in Androscoggin River smallmouth bass. *Northeastern Naturalist* 9(2):203-12.

*Student Authors