CURRICULUM VITAE

Name: Mary M. Tomayko, M.D., Ph.D.

Appointment: Assistant Professor

School: Yale University School of Medicine

Education:

B.S.	University of Maryland, Zoology and Honors Program, College Park, MD	1986-1990
Ph.D.	University of Pennsylvania, Graduate School of Arts and Sciences, Immunology Graduate Group, Philadelphia, PA	1990-1998
M.D.	University of Pennsylvania, School of Medicine, Philadelphia, PA	1990-2000

Post-Graduate Training:

Internship (Internal Medicine)	Hospital of the University of Pennsylvania, Philadelphia, PA	2000-2001
Residency (Dermatology)	Yale University School of Medicine New Haven, CT	2001-2004
Postdoctoral Fellowship	Yale University School of Medicine Immunobiology New Haven, CT	2003-2005

Board Certification:

Dermatology	American Academy Dermatology	2005

Career/Academic Appointments:

Instructor	Department of Dermatology, Yale University, New Haven, CT	2005-2006
Assistant Professor	Department of Dermatology, Yale University, New Haven, CT	2006-present

Professional Honors and Recognition:

Chancellor's Scholarship, University of MD	1986-1990
Dean's Fellowship, University of MD	1989
National Cancer Institute Research Fellowship	1989
Phi Beta Kappa	1990
Cum Laude, Honors in Zoology, General Honors, University of MD	1990
Medical Scientist Training Program	1990-2000
Roy G. Williams Award ("meritorious research in basic medical sciences")	2000
Women's Dermatology Society Preceptor Fellowship	2003
Dermatology Foundation Investigator Research Fellowship	2004-2005
Arthritis Foundation Fellowship	2005-2008
Dermatology Foundation Career Development Award	2005-2008
Lupus Autoimmunity Biosymposia Travel Award	2008

Grants:
Active

1K08AI078533-01A2 (Tomayko) 10/1/08 – 9/30/13
NIH/NIAID $123,562/yr
Elucidating functional properties of memory B cells

The major goals of this project are to define factors required for memory B cell survival and turnover and to define molecules important for memory B cell regulation of T cells.

Expired:
Physician Scientist Career Development Award 7/1/2005 – 6/30/2008
Dermatology Foundation $55,000/yr
Phenotypic and functional characterization of memory B cells

The goal of this research project was to determine how gene expression differs between long-lived antigen-experienced B cells and their naïve counterparts and how B cells are functionally distinct from their naïve precursors.

Postdoctoral Fellowship 7/1/2005 – 6/30/2008
Arthritis Foundation $50,000/yr
Phenotypic and functional characterization of memory B cells

The goal of this research project was to elucidate the intrinsic phenotypic and functional differences between murine memory B lymphocytes and their naïve precursors.

Dermatologist Investigator Fellowship Award 7/1/2004-6/30/2005
Dermatology Foundation $30,000/yr

The goal of this project was to conduct a microarray comparison of gene expression between murine memory B cells and their naïve precursors in order to begin to elucidate intrinsic differences between these cells.

Postdoctoral Fellowship 4/1/2003-6/30/2005
NIH/NIAMS
Training Grant

Medical Scientist Training Program 9/1/1990-5/30/2000
NIH
Training Grant

Pending:
None

Lectures and Courses:

Lupus Autoimmunity Biosymposium, plenary session — September, 2008
La Jolla, CA

Professional Service:

Reviewer, Journal of Investigative Dermatology — 2008

Bibliography:

Original Articles:

1. Reynolds, C. P., M. M. Tomayko, L. Donner, L. Helson, R. C. Seeger, T. J. Triche, and G. M. Brodeur. 1988. Biological classification of cell lines derived from human extra-cranial neural tumors. *Prog Clin Biol Res* 271:291-306.

2. Tomayko, M. M., T. J. Triche, R. W. Newburgh, and C. P. Reynolds. 1988. Induction of catecholamine fluorescence in human neuroblastoma cell lines transplanted into nude mice. *Prog Clin Biol Res* 271:307-316.

3. Wada, R. K., R. C. Seeger, G. M. Brodeur, D. J. Slamon, S. A. Rayner, M. Tomayko, and C. P. Reynolds. 1988. Characterization of human neuroblastoma cell lines that lack N-myc gene amplification. *Prog Clin Biol Res* 271:57-69.

4. Tomayko, M. M., and C. P. Reynolds. 1989. Determination of subcutaneous tumor size in athymic (nude) mice. *Cancer Chemother Pharmacol* 24:148-154.

5. Wada, R. K., R. C. Seeger, G. M. Brodeur, P. A. Einhorn, S. A. Rayner, M. M. Tomayko, and C. P. Reynolds. 1993. Human neuroblastoma cell lines that express N-myc without gene amplification. *Cancer* 72:3346-3354.

6. Tomayko, M. M., T. J. Triche, and C. P. Reynolds. 1996. Human neuroblastoma cell lines regain catecholamine fluorescence when xenografted into athymic (nude) mice. *Int J Dev Neurosci* 14:771-777.

7. Tomayko, M. M., and M. P. Cancro. 1998. Long-lived B cells are distinguished by elevated expression of A1. *J Immunol* 160:107-111.

8. Tomayko, M. M., J. A. Punt, J. M. Bolcavage, S. L. Levy, D. M. Allman, and M. P. Cancro. 1999. Expression of the Bcl-2 family member A1 is developmentally regulated in T cells. *Int Immunol* 11:1753-1761.

9. Cowan, D. A., D. Gay, B. M. Bieler, H. Zhao, A. Yoshino, J. G. Davis, M. M. Tomayko, R. Murali, M. I. Greene, and M. S. Marks. 2002. Characterization of mouse tGolgin-1 (golgin-245/trans-golgi p230/256 kD golgin) and its upregulation during oligodendrocyte development. *DNA Cell Biol* 21:505-517.

10. Anderson, S. M., M. M. Tomayko, A. Ahuja, A. M. Haberman, and M. J. Shlomchik. 2007. New markers for murine memory B cells that define mutated and unmutated subsets. *J Exp Med* 204:2103-2114.

11. Scholz, J. L., J. E. Crowley, M. M. Tomayko, N. Steinel, P. J. O'Neill, W. J. Quinn, 3rd, R. Goenka, J. P. Miller, Y. H. Cho, V. Long, C. Ward, T. S. Migone, M. J.

Shlomchik, and M. P. Cancro. 2008. BLyS inhibition eliminates primary B cells but leaves natural and acquired humoral immunity intact. *Proc Natl Acad Sci U S A* 105:15517-15522.

12. Tomayko, M. M., S. M. Anderson, C. E. Brayton, S. Sadanand, N. C. Steinel, T. W. Behrens, and M. J. Shlomchik. 2008. Systematic comparison of gene expression between murine memory and naive B cells demonstrates that memory B cells have unique signaling capabilities. *J Immunol* 181:27-38.

Reviews, Chapters, Books:

1. Cancro, M. P., D. M. Allman, C. E. Hayes, V. M. Lentz, R. G. Fields, A. P. Sah, and M. Tomayko. 1998. B cell maturation and selection at the marrow-periphery interface. *Immunol Res* 17:3-11.

2. Anderson, S. M., M. M. Tomayko, and M. J. Shlomchik. 2006. Intrinsic properties of human and murine memory B cells. *Immunol Rev* 211:280-294.

In Press:

None.