
BIOGRAPHICAL SKETCH

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NAME Murasko, Donna M.	POSITION TITLE Professor		
eRA COMMONS USER NAME MURASKO1			
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
Douglass College, New Brunswick, NJ	B.A.	1972	Bacteriology
Penn State University Med Ctr, Hershey, PA	Ph.D.	1975	Microbiology
Institute for Cancer Research, Phila, PA	Postdoc	1975-76	Tumor Immunology
The Jackson Laboratory, Bar Harbor, ME	Postdoc	1976-77	Immunology

A. Personal Statement

B. Positions and Honors

Experience:

1975 - 1976	Postdoctoral Associate, Institute for Cancer Research, Philadelphia, PA
1976 - 1977	Postdoctoral Fellow, The Jackson Laboratory, Bar Harbor, ME
1977 - 1980	Assistant Professor, Microbiology/Immunology, Medical Coll. of Pennsylvania (MCP)
1981 - 1986	Associate Professor, Department of Microbiology and Immunology, MCP
1986 - Present	Professor, Department of Microbiology and Immunology, MCP (now Drexel)
1990 - 1993	Interim Director for Cancer Research, MCP
1992 - 1995	Acting Chair, Department of Microbiology and Immunology, MCP, MCPHU
1996 - 2002	Chair, Microbiology and Immunology, MCP Hahnemann University
2002	Vice Provost, Drexel University
2002 - Present	Dean, College of Arts and Sciences, Drexel University
2002 - Present	Professor, Department of Biology

Advisory Committees:

1983 - 1986	Member, NCI Development Therapeutics Contract Review Committee
1987 - 1988	Member, NIDA Special Review Committee on Drug Abuse and AIDS
1988 - 1992	Member, NIA Gerontology and Geriatrics Review Committee
1990 - 1992	Chairman, NIA Gerontology and Geriatrics Review Committee
1989 - 1998	Editorial Board, Clinical Immunology and Immunopathology
1992 - 1995	Editorial Board, Journal of Gerontology, Biological Sciences
1994	Member, NIA/NIAID Immunology and Aging Task Force
1994 - 1997	Member, Special Emphasis Panel, Geriatrics and Rehabilitation Medicine
1996 - 1999	Member, Scientific Advisory Board, Inst. for Advanced Studies in Aging and Immunology
1999 - 2001	Editorial Board, Clinical and Diagnostic Laboratory Immunology
2000 - 2004	Member, NIA Clinical Aging Review Committee
2008 - now	Member, American Federation for Aging Research, National Scientific Advisory Council
2009 - now	Animal and Human Biology Panel, NRC Decadel Survey on Biological and Physical Sciences in Space
2009 - 2012	Member, Finance Committee of American Association of Immunologists

Honors and Awards:

1975 - 1977	NCI Individual Postdoctoral Fellowship
1978 - 1981	American Cancer Society Junior Faculty Research Award
1981 - 1982	Mary DeWitt Pettit Fellowship of the Alumnae/i of MCP
1986	Lindback Award for Distinguished Teaching, MCP
2009	Fellow, American Association for Advancement of Science
2012	Association for Women in Science: Elizabeth W. Bingham Mentoring Award

C. Selected peer-reviewed publications (Selected from 106 peer-reviewed publications)

Most recent publications

1. Jiang, J., Anaraki, F., Blank, K.J., Murasko, D.M. 2003. Cutting Edge: T cells from Aged Mice are Resistant to Depletion Early during Virus Infection. *J Immunol.* **171**: 3353-57.
2. Jiang, J., Gross, D., Nogusa, S., Elbaum, P., Murasko, D.M., 2005. Depletion of T Cells by Type I Interferon: Differences between Young and Aged Mice. *J. Immunol.* **175**: 1820-1826.
3. Murasko, D.M., Jiang, J. 2005. Response of Aged Mice to Primary Virus Infections. *Immunol. Rev.* **205**:285-296.
4. Jiang J, Gross D, Elbaum P, and Murasko DM. 2007. Aging Affects Initiation and Continuation of T Cell Proliferation. *Mech Ageing Dev* **128** (4):332-339.
5. Jiang J, Bennett AJ, Fisher E, Williams-Bey Y, Shen H and Murasko DM. 2009. Limited Expansion of Virus-Specific CD8 T Cells in the Aged Environment. *Mech Ageing Dev* **130** (11-12): 713-721. NIHMS169300
6. Jiang, J., Fisher, E., Bennett, A.J., Murasko, D.M. 2010. Enhancement of virus-specific expansion of transgenic CD8 T cells in aged mice by dendritic cells mechanisms of ageing and development. *Mech. Ageing Develop.*, 131: 580-583.
7. He, S., Kato, K., Jiang, J., Wahl, D.R., Mineishi, S., Fisher, E.M., Murasko, D.M., Glick, G.D., Zhang, Y. 2011. Characterization of the metabolic phenotype of rapamycin-treated CD8+ T cells with augmented ability to generate long-lasting memory cells. *PLoS One*, 2011:6(5):e20107.
8. Williams-Bey, Y., Jiang, J., Murasko, D.M. 2011. Expansion of regulatory T cells in aged mice following influenza infection. *Mech. Ageing. Dev.*, Apr; 132(4):163-70.
9. Jiang, J., Fisher, E.M., Murasko, D.M. 2011. CD8 T cell responses to influenza virus infection in aged mice. *Ageing Res. Rev.*, Sept; 10(4):422-7.
10. Nogusa, S., Murasko, D.M., Gardner, E.M. 2012. Differential effects of stimulatory factors on natural killer cell activities of young and aged mice. *J. Gerontol. A. Biol. Sci. Med. Sci.* Sept; 67(9):947-54.
11. Jiang, J., Fisher, E.M., Murasko, D.M. 2013. Intrinsic defects in CD8 T cells with aging contribute to impaired primary antiviral responses. *Exp. Gerontol.* Jun:48(6):579-86.

D. Research Support

Ongoing Research Support:

R21 AG041510 (Murasko)	9/2011 – 7/2013
NIH	\$424,875
Immunity of aged mice after lifelong repeated live or killed influenza vaccines	
7/1/2010-6/30/2012	
NIH SBIR to DMX Corporation (Drexel Subcontract)	\$138,865
Novel Protein Adjuvant for Flu Vaccine	