

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel in the order listed on Form Page 2.

Photocopy this page or follow this format for each person.

NAME Ronald Glaser	POSITION TITLE Assoc. Vice President Health Sciences Research Prof. Molec. Virol., Immunol., & Med. Genetics
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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
Univ. of Bridgeport, Bridgeport, CT	B.A.	1962	Biology
Univ. of Rhode Island, Kingston, RI	M.S.	1964	Physiology
University of Connecticut, Storrs, CT	Ph.D.	1968	Virology
Baylor College of Medicine, Houston, TX	P.Doct.Fel.	1968-69	Virology

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

- 1968-69 - Postdoctoral Fellow, Department of Virology and Epidemiology, Baylor College of Medicine, Houston, TX
- 1969-70 - Assistant Professor of Virology. Life Sciences Dept., Indiana State Univ. Terre Haute, IN
- 1970-1973- Assistant Professor of Microbiology, Microbiology Department, Pennsylvania State University College of Medicine, Hershey, PA
- 1973-1977- Associate Prof. of Microbiology, Microbiology Dept., Penn. State Univ., College of Medicine, Hershey, PA
- 1977-1978- Professor of Microbiology, Microbiology Dept., Penn. State Univ., College of Medicine, Hershey, PA
- 1978-1992 Professor and Chairman, Dept. of Med. Microbiology and Immunology, and Professor of Medicine. The Ohio State Univ. College of Medicine, Columbus, OH
- 1992-1994 Associate Dean for Research and Graduate Education, The Ohio State University College of Medicine, Columbus, OH
- 1994-present Associate Vice President for Health Sciences Research, The Ohio State University, Columbus, OH

**HONORS**

NIH P-D Fellowship, 1968-69; Leukemia Society Scholar Award (RCDA), 1974-79; Fellow of the Franco-American Exchange Program, Fogarty International Center, NIH, and INSERM, Lyon, France, 1975, and Paris, France, 1977. Selected by Nat'l Acad. of Sci. to write Review of Collaborations with People's Republic of China in area of cancer, for recommendations to U.S. Government for future collaborations, 1984; Fellow, Amer. Acad. of Behavioral Medicine, 1984; Who's Who in USA; Presidential Advisory Board, Ohio State Univ., 1989. Ida Beam Distinguished Visiting Professor, University of Iowa, Iowa City, IA, 1990. Recipient of 3rd Annual Lectureship of The Fund for Psychoneuroimmunology, Barnes Hospital, Department of Internal Medicine, St. Louis, MO, 1992; Gilbert and Kathryn Mitchell Chair in Medicine, 1994; University Distinguished Scholar, 1995; Member, Institute of Medicine panel to review field of Psychoneuroimmunology, 1991, Who's Who in the World; Who's Who in Science and Engineering. Recipient of the SPHERE award from the Dow Chemical Company, 1997

**SELECTED PUBLICATIONS - (from 242 papers published and in press)**

- Glaser, R., MacCallum, R.C., Laskowski, B.F., Malarkey, W.B., Sheridan, J.F., & Kiecolt-Glaser, J.K. Evidence for a shift in the Th-1 to Th-2 cytokine response associated with chronic stress and aging. *J Gerontology*, in press.
- Yang, E.V. and Glaser, R. Stress-induced immunomodulation: Impact on immune defenses against infectious disease. *Biomedicine & Pharmacology*, in press.
- McDade, T.W., Stallings, J.F., Angold, A., Costello, E.J., Bursleson, M., Cacioppo, J.T., Glaser, R., & Worthman, C. Epstein Barr virus antibodies in whole blood spots: A minimally-invasive method for assessing cell-mediated immunity. *Psychosomatic Med.* 62:4, 560-568, 2000.
- Glaser, R., Rabin, B., Chesney, M., Cohen, S., Natelson, B. Stress-induced immunomodulation: Are there implications for infectious diseases? *JAMA*, 281 (24), 2268-2270, 1999.
- Rozlog, L.A., Kiecolt-Glaser, J.K., Marucha, P., Sheridan, J.F., & Glaser, R. Stress and immunity: Implications for viral disease and wound healing. *J. Periodontol.*, 70(7), 786-792, 1999.
- Kiecolt-Glaser, J.K. & Glaser, R. Psychoneuroimmunology and immunotoxicology: Implications for carcinogenesis. *Psychosomat. Med.* 61: 271-272, 1999.
- Wu, H., Wang, J., Cacioppo, J.T., Glaser, R., Kiecolt-Glaser, J.K. & Malarkey, W.B. Chronic stress associated with spousal caregiving of patients with Alzheimer's Dementia is associated with downregulation of B-lymphocyte CH mRNA. *J. Gerontol., Med. Sciences*, 54: M212-215, 1999.

Number pages consecutively at the bottom throughout the application. Do not use suffixes such as 3a, 3b.

- Kiecolt-Glaser, J.K., and Glaser, R. Psychoneuroimmunology and Cancer: Fact or Fiction? *Eur. J. Cancer*, 35(11), 1603-1607, 1999.
- Glaser, R., Kiecolt-Glaser, J.K., Marucha, P.T., MacCallum, R.C., Laskowski, B.F. & Malarkey, W.B. Stress-related changes in proinflammatory cytokine production in wounds. *Arch. of Gen. Psychiatry*, 56:450-456, 1999.
- Wu, H., Wang, J., Cacioppo, J.T., Glaser, R. & Malarkey, W.B. Lymphocyte GH mRNA is predominantly synthesized by B-cells and chronic stress in older women inhibits this synthesis. *J. Gerontol., Medical Sciences*, 54:M212-215, 1999.
- Li, D., Xiao, L.S., Casto, B., Fang, J., Theil, K., Glaser, R. and Milo, G. Epstein Barr Virus growth-transformed cells are converted to malignancy following transfection of a 1.3-kb CATR1 antisense construct independent of a change in the level of c-myc expression followed by a 8;14 chromosomal translocation. *Proc. Nat=l Acad.Sci.* 95: 4894-4899, 1998.
- Padgett, D.A., Sheridan, J.F., Dorne, J., Berntson, G.G., Candelora, J. and Glaser, R. Social stress and the reactivation of latent herpes simplex virus-type 1. *Proc. Nat=l Acad. Sci.* 95: 7231-7235, 1998.
- Kiecolt-Glaser, J.K., Page, G.G., Marucha, P.T., MacCallum, R.C., & Glaser, R. Psychological influences on postsurgical recovery: perspectives from psychoneuroimmunology. *American Psychologist* 53:1209-1218, 1998.
- Glaser, R. & Kiecolt-Glaser, J.K. Stress-associated immune modulation: relevance to viral infections and chronic fatigue syndrome. *American Journal of Medicine*, 105: (3A) : 35-42, 1998.
- Glaser, R. & Kiecolt-Glaser, J.K. Chronic stress modulates the virus-specific immune response to latent Herpes Simplex Virus Type 1. *Annals of Behavioral Medicine* 19: 78-82, 1997.
- Kiecolt-Glaser, J.K., Esterling, B.A., Kiecolt-Glaser, J.K. & Glaser, R. Psychosocial modulation of cytokine-induced natural killer cell activity in older adults. *Psychosomatic Medicine* 58: 264-272, 1996.
- Glaser, R., Gravenstein, S. Malarkey, W.B. & Sheridan, J. Chronic stress alters the immune response to influenza virus vaccine in older adults. *Proc. Natl. Acad. Sci.* 93: 3043-3047, 1996.
- Malarkey, W.B., Wu, H., Cacioppo, J.T., Malarkey, K.L., Poehlmann, K.M., Glaser, R. & Kiecolt-Glaser, J.K. Chronic stress down-regulates growth hormone gene expression in peripheral blood mononuclear cells of Alzheimer caregivers. *Endocrine* 5: 1-7, 1996.
- Glaser, R., Kutz, L.A. & Malarkey, W.B. Hormonal modulation of Epstein-Barr virus replication. *Neuroendocrinology* 62: 356- 361, 1995.
- Cacioppo, J.T., Malarkey, W.B., Kiecolt-Glaser, J.K., Uchino, B.N., Sgoutas-Emch, S.A., Sheridan, J.F., Berntson, G.G. & Glaser, R. Heterogeneity in neuroendocrine and immune responses to brief psychological stressors as a function of autonomic cardiac activation. *Psychosom. Med.* 58: 154-164, 1995.
- Kiecolt-Glaser, J.K., Marucha, P.T., Malarkey, W.B., Mercado, A.M. & Glaser, R. Slowing of wound healing by psychological stress. *Lancet*, 346: 11194-1196, 1995.
- Dobbs, C.M., Vasquez, M., Glaser, R. & Sheridan, J.F. Mechanisms of stress-induced modulation of viral pathogenesis and immunity. *J. Neuroimmunol.*, 48:151-160, 1994.
- Gushchin, G.V., Cheney, C., Glaser, R. & Malarkey W.B. Temporal relationships and IL-2 dependency of prolactin-induced lymphocyte proliferation. *Journal of Neuroimmunology*, 60:93-98, 1995.
- Malarkey, W.B., Pearl, D.K., Demers, L.M., Kiecolt-Glaser, J.K. & Glaser, R. The influence of academic stress and season on 24-hour mean concentrations of ACTH, cortisol, and  $\alpha$ -endorphin. *Psychoneuroendocrinology* 46: 499-508, 1995.
- Malarkey, W.B., Kiecolt-Glaser, J.K., Pearl, D. & Glaser, R. Hostile behavior during marital conflict alters pituitary and adrenal hormones. *Psychosom. Med.*, 56: 41-51, 1994.
- Esterling, B.A., Kiecolt-Glaser, J.K., Bodnar, J.C. & Glaser, R. Chronic stress, social support, and persistent alterations in the natural killer cell response to cytokines in older adults. *Hlth Psych.* 13: 291-299, 1994.
- Sgoutas-Emch, S.A., Cacioppo, J.T., Uchino, B., Malarkey, W., Pearl, D., Kiecolt-Glaser, J.K. & Glaser, R. The effects of an acute psychological stressor on cardiovascular, endocrine, and cellular immune response: A prospective study of individuals high and low in heart reactivity. *Psychophysiology*, 31: 264-271, 1994.
- Glaser, R., Theil, K., Bonneau, R.H., Sheridan, J.F., Vasquez, M. & Allen, C.M. Spontaneous development of a chromosomal translocation 5:14 in a B-cell lymphoma in a SCID mouse. *Intl. J. Cancer* 55(2): 282-287, 1993.
- Glaser, R., Lafuse, W.P., Bonneau, R.H., Atkinson, C. & Kiecolt-Glaser, J.K. Stress-associated modulation of proto-oncogene expression in human peripheral blood leukocytes. *Behav. Neurosci.* 107: 525-529, 1993.
- Tomei, L.D., Kiecolt-Glaser, J.K., Kennedy, S. & Glaser, R. Psychological stress and phorbol ester inhibition of radiation-induced apoptosis in human peripheral blood leukocytes. *Psych. Res.* 33:59-71, 1990.
- Glaser, R., Kennedy, S., Lafuse, W.P., Bonneau, R.H., Speicher, C.E., Hillhouse, J. & Kiecolt-Glaser, J.K. Psychological stress-induced modulation of IL-2 receptor gene expression and IL-2 production in peripheral blood leukocytes. *Arch. Gen. Psychiat.* 47:707-712, 1990.
- Glaser, R., Kennedy, S., Lafuse, W.P., Bonneau, R.H., Speicher, C.E., Hillhouse, J. & Kiecolt-Glaser, J.K. Psychological stress-induced modulation of IL-2 receptor gene expression and IL-2 production in peripheral blood leukocytes. *Arch. Gen. Psychiat.* 47: 707-712, 1990.
- Kiecolt-Glaser, J.K. & Glaser, R. Psychological influence on immunity: Implications for AIDS. *Amer. Psychol.* 43: 892-898, 1988.

