

BIOGRAPHICAL SKETCH

Give the following information for the key personnel and consultants listed on page 2. Begin with the Principal Investigator/Program Director. Photocopy this page for each person.

NAME	POSITION TITLE	BIRTHDATE (Mo., Day, Yr.)
Peter J. Quesenberry, M.D.	Professor of Medicine	07/22/38
EDUCATION (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)		
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED
University of Virginia, Charlottesville, VA	B.A.	1960
University of Virginia School of Medicine Charlottesville, VA	M.D.	1964
		FIELD OF STUDY
		English
		Medicine

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 and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. DO NOT EXCEED TWO PAGES.

Previous Employment and Experience

- 1969-1970 Clinical Hematology Fellowship with Dr. Frederick Stohlman, Jr.
 1970-1972 Research Hematology Fellowship with Dr. Frederick Stohlman, Jr.
 1973-1976 Assistant Professor of Medicine (70% research time), St. Elizabeth's Hosp. and Tufts University School of Medicine, Boston, Massachusetts
 1976-1979 Assistant Professor of Medicine (60-70% research time), Peter Bent Brigham Hospital and Harvard Medical School, Boston, MA
 4/79 - Professor of Medicine and Chief, Division of Hematology/Oncology, University of Virginia School of Medicine, Charlottesville, Virginia
 7/81 - Byrd S. Leavell Professor of Medicine, University of Virginia School of Medicine, Charlottesville, Virginia

Honors

- Alpha Omega Alpha: University of Virginia School of Medicine, 1964
 Raven Society: University of Virginia, 1964
 Scholar of the Leukemia Society of America, 1972-1977
 Hematology Study Section (NIH), 7/80-6/84
 Chairman, Leukocyte Physiology Subcommittee, American Society of Hematology, 1980
 Scientific Affairs Committee, American Society of Hematology
 Hematology Study Section (NIH), (7/88-6/91)
 Visiting Committee at Brookhaven National Laboratory, 1982-1986
 American Society for Clinical Investigation, 1981
 Councillor, International Society for Experimental Hematology, 1982
 Editorial Board, Experimental Hematology, 1984
 Editorial Board, Blood, 1987
 Editorial Board, International Journal of Cell Cloning, 1980-present
 Councillor, American Society of Hematology, 1985
 Fellow, American College of Physicians, 1983
 Member, American Clinical and Climatological Association, 1984-present
 Member, American Board of Internal Medicine, 1982-present (Subspec. Board on Hematology)
 NIH, Resources and Advisory Committee (10/87 - present)
Publications (selected from a total of 93)

- Levitt L, Quesenberry P: The effect of lithium on murine hematopoiesis in a liquid culture system. N. Engl. J. Med. 302:713-719, 1980.
- Quesenberry P, Gimbrone M: Endothelium as a regulator of granulopoiesis: Studies on production of colony-stimulating activity by cultured endothelial cells. Blood 56:1060-1067, 1980.
- Quesenberry P, Stanley K: A statistical analysis of murine stem cell suicide technique. Blood 56:1000-1005, 1980.
- Thorner MO, Borges JL, Cronin MJ, Keefer DA, Hellman P, Lewis D, Dabney LG, Quesenberry P: Fluorescence activated cell sorting of functional anterior pituitary cells. Endocrinology 110(5):1831-1833, 1982.

5. Quesenberry P, Coppola M, Gualtieri R, Wade Jr P, Song Z, Doukas M, Shideler C, Baker D, McGrath H: Lithium stimulation of murine hematopoiesis in a liquid culture system: An effect mediated by radioresistant stromal cells. *Blood* 63:121-127, 1984.
6. Song Z, Quesenberry P: Radioresistant murine marrow stromal cells: a morphologic and functional characterization. *Exp. Hematol.* 12:523-533, 1984.
7. Boswell H, Wade Jr P, Quesenberry P: Thy-1 antigen expression by murine high proliferative capacity hematopoietic progenitor cells: Relation between sensitivity to depletion by Thy-1 antibody and stem cell generation potential. *J. Immunol.* 133:2940, 1984.
8. Gualtieri R, Shadduck R, Baker D, Quesenberry P: Hematopoietic regulatory factor produced in long term bone marrow cultures & the effect of in vitro irradiation. *Blood* 64:516, 1984.
9. Doukas M, Niskanen E, Quesenberry P: Lithium induced granulopoiesis in diffusion chambers-a model of indirect, humorally mediated stem cell proliferation. *Blood* 65:163, 1985.
10. Quesenberry P, Ihle J, McGrath E: The effect of interleukin-3 and GM-CSA-2 on megakaryocyte and myeloid colony formation. *Blood* 65:214-217, 1985.
11. Song Z, Shadduck R, Innes Jr D, Waheed A, Quesenberry P: Hematopoietic production by cell line (TC-1) derived from adherent murine marrow cells. *Blood* 66:273-281, 1985.
12. Waterhouse E, Quesenberry P, Balian G: Collagen synthesis by murine bone marrow cell cultures: Effect of lithium. *J. Cell. Physiol.* 127(3):1, 1986.
13. Donowitz GR, Quesenberry PJ: 5-fluorouracil effect on cultured murine stem cell progeny and peripheral leukocytes. *Exp. Hematol.* 14:207-214, 1986.
14. Doukas MA, Niskanen E, Quesenberry P: The effect of lithium on stem cell and stromal cell proliferation in vitro. *Exp. Hematol.* 14:215-221, 1986.
15. Quesenberry P: Synergistic hematopoietic growth factors. *Intl. J. Cell Cloning* Vol. 4, pp. 3-15, 1986.
16. Quesenberry PJ, Song Z, McGrath H, Shadduck R, Waheed A, Baber G, Kleeman E, Kaiser I: Multilineage synergistic activity produced by a murine adherent marrow cell line. *Blood* 69:827-835, 1987.
17. Alberico T, Ihle JN, Quesenberry P: Stromal growth factor production in irradiated lectin exposed long term murine bone marrow cultures. *Blood* 69:1120-1127, 1987.
18. Robinson B, McGrath H, Quesenberry P: Recombinant murine granulocyte macrophage colony stimulating factors has megakaryocyte colony stimulating activity and augment megakaryocyte colony stimulation by interleukin-3. *J. Clin. Invest.* 79:1648, 1987.
19. Colon-Otero G, Sando J, Sims P, McGrath E, Quesenberry P: Inhibition of hemopoietic growth factor induced proliferation by ADP-ribosylation inhibitors. In press, *Blood*.
20. He Y, Hewlett E, Quesenberry P: Inhibition of Interleukin-3 and colony-stimulating factor I-stimulated hemopoietic stem cell proliferation by pertussis toxin. In press, *Blood*.
21. Song Z, Thomas C, Innes D, Quesenberry P: A characterization of two clones isolated from the TC-1 murine marrow stromal cell line: Growth factor and retrovirus production and physical support of hemopoiesis. Submitted to *Exp. Hematol.*, 1987.
22. Landreth K, Witte P, Baber G, Woodward T, Quesenberry P: A bone marrow stromal cell line produces growth factors which synergize with known hemopoietic regulatory molecules and potentiate the generation of pre-B cells. Submitted to *Blood*, 1987.
23. McNiece I, Robinson B, Quesenberry P: Stimulation of murine high proliferative potential colony forming cells by the combination of GM-CSF + CSF-1. Submitted to *Blood*.
24. McNiece I, Stewart F, Deacon D, Quesenberry P: Synergistic interactions between hematopoietic factors as detected by in vitro murine bone marrow colony formation. Submitted to *Exp. Hematol.*, 1987.
25. McNiece I, Stewart F, Deacon D, Zsebo K, Ralph P, Clark S, Quesenberry P: Synergistic interactions of human growth factors: Evidence for a human HPP-CFC. Sub. to *J. Cl. Invest.*
26. Isakson P, McNiece I, Simpson L, Quesenberry P: Proliferation of activated B lymphocytes induced by production of a bone marrow stromal cell line. In preparation.
27. Wade P, Stewart F, Shadduck R, Waheed A, Quesenberry P: The effect of lithium on murine high proliferative potential colony forming cells in Dexter culture. Submitted to *Blood*, 1987.
28. Woodward T, Baber G, McNiece I, Robinson B, Quesenberry P: Induction of early B lineage cells by hemopoietic growth factors. In preparation, 1987.
29. McGrath HE, Liang C, Alberico T, Quesenberry PJ: The effect of lithium on growth factor production in long term bone marrow cultures. *Blood* 70:1136-1142, 1987.