BIOGRAPHICAL SKETCH

Provide the following information for key personnel in the order listed on Form Page 2.
Photocopy this page or follow this format for each person.

NAME	POSITION TITLE
James W. McIlroy	Research Associate

EDUCATION *(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
Queens University, Belfast, N. Ireland	B.Sc.	1991	Biochemistry
University of Ulster, N. Ireland	MBA	1992	Bus. Admin.
Queens University, Belfast, N. Ireland	Ph.D.	1995	Biochemistry
Albert Einstein College of Medicine, Bronx, NY	Post.	1995-	Mol. Pharmacol.

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.**

Publications

Kay, G., Cullen, B., Graeme, M., Nelson, J., Duffey, J., McIlroy, J. and Walker, B. (1993) A novel trypsin-like enzyme associated with breast cancer. Brit. J. Cancer. 67, 152.

McIlroy, J., Kay, G., Nelson, J., Cullen, B. and Walker, B. (1993) A novel trypsin-like enzyme in human breast tissue. Biochem. Soc. Trans. 22, 19S.

McIlroy, J., Kay, G., Nelson, J., Cullen, B., Lynas, J., Oddling-Smee, W., Spence, R. and Walker, B. (1994) A novel trypsin-like enzyme in breast cancer. J. Cell. Biochem. 18D, S221.

McIlroy, J., Lynas, J., Murphy, B., Walker, B., Yan, L. and Yee, J. (1995) The application of novel synthetic protease inhibitors for the disclosure and partial characterisation of a cathepsin L/S-like protease produced by OSPR osteosarcoma cells in culture and their utilisation in the prevention of invasion. J. Cell. Biochem. 19B, B1-213.

McIlroy, J. , Chen D., Wjasow, C., Michaeli, T. and Backer, J.M. (1996) Specific activation of p85/p110 PI 3'-kinase stimulates DNA synthesis by a Ras-dependent pathway. Mol. Cell. Biol. (in press).