

# Associate Research Scientist

## ROBERT SMITH

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### Objective

Excellent interpersonal skills to consistently provide customer service above expectations. Over seventeen years of experience in cGMP regulated environment that have provided an exceptional capacity to educate and motivate others into action. Easily adaptable to work in a team and independently.

### Skills

PCR, qRT-PCR, cell culture, mutagenesis, ELISA, immunofluorescence, flow cytometry and FACS, PAGE WB, transfection human cells, infection human cells, virology, siRNA knock down, stable cell line.

### Work Experience

#### Associate Research Scientist

**ABC Corporation** - 1992 - 1994

- Participated in development of methods to evaluate in vitro and ex vivo homeostatic effects of test articles.
- Utilized animal surgical skills to develop arteriovenous shunt and the venous stasis models of thrombosis.
- Performed platelet function and coagulation time assays.
- Explored the pharmacodynamic relationship between platelet function and nitroglycerin.
- Prepared guinea pig myocytes for in vitro receptor binding study.
- Compiled and conducted statistical analysis of data, and prepared graphic presentations utilizing computer skills.
- Reported results to project team members and management.

#### Associate Research Scientist

**ABC Corporation** - 1990 - 1992

- Determined the effect of over-expression and gene copy number analysis of the anti-apoptotic biomarker protein bcl-2 (bcl-xL) on androgen withdrawal and chemotherapy resistance in human prostate cancer cell lines.
- Constructed gene expression vectors that overexpressed either the pro-life bcl-2 or bcl-xL proteins or the pro-apoptosis bax and bak proteins to determine drug sensitivity and chemotherapy resistance molecular mechanisms.
- Designed a highly sensitive RT-PCR based assay (chemiluminescence) to detect minimal human prostate cancer cells in the circulation of human prostate cancer patients this assay is used in identifying those patients who would not be a good candidate for the highly evasive radical prostate surgery, because of metastatic circulating prostate cells.
- This assay targeted the prostate biomarkers PSA and PSM to highlight these circulating prostate cancer cells.
- Designed and conducted studies to determine the effect of wild type and mutant p53 over-expression in human prostate cancer cells to hypoxia induced increases in Hif-1 alpha expression and Hif-1 transcriptional activation in the expression of angiogenic proteins controlled by Hif-1.

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## Education

A.A.S. in Veterinary Science - (Holliston Jr. College - Holliston, MA)