
BIOGRAPHICAL SKETCH

NAME		POSITION TITLE	
Saeed Khan, Ph.D.		Assistant Professor	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Houston, Houston, TX	M.S.	1985-1987	Medicinal Chemistry
UT M.D. Anderson Cancer Center, Houston, TX	Ph.D.	1992-1997	Medicinal Chemistry

A. Positions and Honors

Positions and Employment:

1987-1992	Medicinal Chemist - University of Texas M.D. Anderson Cancer Center, Houston
1997-1999	Post Doctoral Fellowship - University of Texas M.D. Anderson Cancer Center, Houston
1999-2000	Research Associate - Laboratory of Dr. John Isaacs, Johns Hopkins Oncology Center
1999-Present	Co-Director - Pharmacology-Analytical Core, Johns Hopkins Oncology Center
2000-Present	Assistant Professor of Oncology - Johns Hopkins School of Medicine
2002-Present	Director, Medicinal Chemistry Core, Johns Hopkins Oncology Center

Honors:

Recipient of International Conference on Antiviral Research Award 1996.
Editorial board member for Journal of Environment Science and Health.
Editorial board member for Current Medicinal Chemistry.
Editorial board member for Journal of Enzyme Inhibition and Medicinal Chemistry.

B. Selected peer-reviewed publications (in chronological order)

Holland, H. L.; Khan, S. Reaction of steroidal epoxides with metal alkoxides. *Can. J. Chem.* 1985, 63, 2763.

Gibson, M. S.; Khan, S. Synthesis of benzohydrazides, benzothiohydrazides and benzamidrazones as a source of 1,3,4, (2H)-Oxadizolenones, 1,3,4(2H)-thiadiazolenones, and 1,2,4 (5H)triazolenones. *J. Heterocyclic Chem.* 1986, 23, 417.

Musmar, M. J.; Khan, S.; Zektzer, S. A.; Martin, G. E. Chemistry of the phenoxathiins and isosterically related heterocycles. xxxvii. The synthesis and molecular structure of benzo[2,3] naphtha[5,6,7-l j][1,4]dithiepin and its 1-Oxide. *J. Heterocyclic Chem.* 1989, 26, 667.

Khan, S.; Nowak, B.; Plunkett, W.; Farquhar, D. *Proc. Am. Assoc. Cancer Res.* 1990, 31, 425.

Farquhar, D.; Khan, S.; Nowak, B.; Plunkett, W. *Antiviral Res.* 1991, 15 (suppl. 1), 143.

Sastry, K. J.; Nehete, P. N.; Khan, S.; Plunkett, W.; Arlinghaus, R. B; Farquhar, D. Membrane permeable dideoxyuridine 5'-monophosphate analogue inhibits human immunodeficiency virus infection. *Mol. Pharmacol.* 1992, 41, 441.

Pompon, A.; Lefebvre, I.; Imbach, J. L.; Khan, S.; Farquhar, D. Metabolic studies of and mono bis(pivaloyloxymethyl) esters of AZT and azidothymidine monophosphate in cell extract and in tissue culture medium: An application of the "On line ISRP cleaning HPLC techniques. *Antiviral Chem. & Chemother.* 1994, 5, 91.

Farquhar, D.; Khan, S.; Srivastva, D. N.; Saunders, P. P. Synthesis and antitumor evaluation of bis[(pivaloyloxy)methyl]2'-deoxy-5-fluorouridine 5'-monophosphate (FdUMP): A strategy to introduce nucleotides into Cells. *J. Med. Chem.* 1994, 37, 3902.

Farquhar, D, Chen, R, Khan, S. 5'-(4-Pivaloyloxy-1,3,2-dioxaphosphorinane)-2'-deoxy-5-flourouridine: A membrane permeable Prodrug of 5-Fluoro-2'-deoxyuridylic Acid (FdUMP). *J. Med. Chem.* 1995, 38, 488.

Farquhar, D.; Khan, S.; Wilkerson, M. J. Biologically- reversible phosphate protective groups: 4-Acyloxy-1,3,2-dioxaphosphorinanes as neutral latent precursors of dianionic phosphates. *Tetrahedron Lett.* 1995, 36, 655.

Khan, S.; Farquhar, D. Bis[N, N-dimethylcarbamoyloxymethyl) 2', 3'-dideoxyuridine 5'-monophosphate (DM2-ddUMP): Potential ddUMP prodrug. *Tetrahedron Lett.* 1999, 40, 607.

Ajit K. Ghosh; Saeed Khan; David Farquhar. The β -Galactoside phosphoramidate mustard prodrug for use in conjugation with gene-directed enzyme prodrug therapy. *Chemical Commun.* 1999, 2527-2528.

Ajit K. Ghosh; Saeed Khan; Frank Marini, J. Arly Nelson; David Farquhar. A daunorubicin β -galactoside prodrug for use in conjugation with gene-directed enzyme prodrug therapy. *Tetrahedron Lett.* 2000, 41, 4871-4874.

Khan S.R., Denmeade, S.R. In Vivo Activity of a PSA-Activated Doxorubicin Prodrug against PSA-Producing Human Prostate Cancer Xenografts. *The Prostate* 2000, 45, 80-83.

Khan, S. R.; Mhaka A; Plii, R.; Isaacs, J. T. Modified synthesis and antiangiogenic activity of linomide. *Bioorganic & Medicinal Chemistry Letters* 2001, 11, 451-452.

Samuel R. Denmeade, Lori J. Sokoll, Daniel W. Chan, Saeed R. Khan, John T. Isaacs. Concentration of enzymatically active prostate-specific antigen (PSA) in the extracellular fluid of primary human prostate cancers and human prostate cancer xenograft models. *The Prostate* 2001, 48, 1-6.

Samuel R. Denmeade, Janita Lovgrev, Saeed R. Khan, ProHans Lilja, John T. Isaacs. Activation of latent protease function of pro-HK2 function but not Pro-PSA, Involves auto-processing. *The Prostate* 2001, 48, 122- 126.

Mhaka A., Isaacs, J.T., Khan, S.R. A 5-Fluorodeoxyuridine prodrug as targeted therapy for prostate cancer. *Bioorganic & Medicinal Chemistry Letters* 2002, 12, 2459-2461.
