

CURRICULUM VITAE

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EDUCATION

1992 B.Sc. General Sciences, University of Kashmir, Srinagar, Kashmir, India.

1995 M.Sc. in Biochemistry, Department Of Biochemistry, University of Kashmir, Srinagar, Kashmir, India.

2001 Ph.D. in Protein Biochemistry, Deptt. of Biosciences, Faculty of Natural sciences, JMI, New Delhi, India.

Thesis: "Effect of Amino Acid Osmolytes(L- and D- Isomers) on the stability and function of proteins"[Supervisor Prof Faizan Ahmad]

In vivo studies have been carried out in Eukaryotic Gene Expression Lab At National Institute Of Immunology New Delhi, India under Dr S.E.Hasnain.

Research Experience:

Besides my Ph.D I have six months research experience in Molecular Biology Lab at Jamia Hamdard (India) under Dr S.K.Jain, Three Months Experience in JNU (India) In Dr Kunol Roy's Lab. I have also done for few experiments in Dr Shahid Jameel's Lab at ICGEB (India) and worked with several cell lines in Microbiology Lab at AIIMS (India) under Dr Shobha Broor. Further, before coming to US I worked in Jawahar Lal Nehru university as a Research Fellow under Dr Alok Bhattacharyya.

Research Goals:

I hope to gain growing independence in the planning and conduct of experiments: experience in the critical analysis and interpretation of data; and experience in oral presentation of my results in informal and national meetings. I am flexible about my approach in learning and implementing new techniques in scientific world

Publications:

Shahjee, H. M., Banerjee, K. & Ahmad, F. (2002), Comparative Analysis of Naturally Occurring L-Amino Acid Osmolytes and their D-Isomers on Protection of Escherichia Coli Against Environmental Stresses. *J. Biosc.* 27, 101-106. 47.

Shahjee, H. M., Rishi, V. & Ahmad, F. (2002), Effect of D- Amino Acids on the Functional Activity and Conformational Stability of Ribonuclease-A. *Ind. J. Biochem. Biophys.* 39, 368-376.

Shahjee, H.M., Prakash, S., Zappala, G. Wiench, M. Bhattacharyya, N. and Rechler, M.M. A non-secreted N-terminal IGFBP-3 fragment (1-97) can induce apoptosis in human prostate cancer cells intracellularly in an IGF-independent manner (manuscript in preparation)

Bhattacharyya, N., Pechhold, K., **Shahjee, H.M.**, Zappala, G., Raaka, B., Elbi, C. and Rechler, M.M. Non-secreted IGFBP-3 can induce apoptosis in human prostate carcinoma cells (in revision)

Poster Presentations:

Shahjee H. M., Rishi V, Ghoshal K. Hasnain S.E and Ahmad F.
Title:Osmolyte Mediated Protein folding.” 5th International Meeting on Molecular Epidemiology and Evolutionary Genetics in Infectious diseases at Hyderabad, India, Nov, 2000

Bhattacharyya, N., Tseng, L., Hong, J., **Shahjee, H.M.**, Maruvada, P. and Rechler, M.M. Secreted Insulin-like growth factor binding protein-3 (IGFBP-3) induces Apoptosis in Human prostate Cancer cells. NIH Research Festival. October 2003.

Bhattacharyya, N., Tseng, L., Pechhold, K., Raaka, B., Maruvada, P., **Shahjee, H.M.**, Hong, J. and Rechler, M.M. Induction of apoptosis in human prostate cancer cells by insulin-like growth factor binding protein-3 (IGFBP-3) does not require its nuclear localization. NIH Research Festival. October 2004.

Bhattacharyya, N., Tseng, L., Pechhold, K., Maruvada, P., **Shahjee, H.M.** Zappala, G., Hong, J. and Rechler, M.M. Induction of apoptosis in human prostate cancer cells by Insulin-like growth factor binding protein-3 (IGFBP-3) does not require nuclear localization. Gordon Research Conference on Insulin-like growth factors in physiology and disease. Ventura, CA. February 2005.

Bhattacharyya, N., Pechhold, K., Zappala, G., Elbi, C., Raaka, B., **Shahjee, H.M.**, Hong, J. and Rechler, M.M. Non-secreted variants of insulin-like growth factor binding protein-3 (IGFBP-3), a naturally secreted protein, can induce apoptosis in human prostate cancer cells. NIDDK PI retreat. April 2005.

Bhattacharyya, N., Tseng, L., Pechhold, K., Maruvada, P., **Shahjee, H.M.** Zappala, G., Hong J. and Rechler, M.M. Induction of apoptosis in human prostate cancer cells by Insulin-like growth factor binding protein-3 (IGFBP-3) does not require its nuclear localization. Endocrine Society Meeting. San Diego, June 2005.

Shahjee, H.M., Prakash, S., Pechhold, K., Bhattacharyya, N. Rechler, M.M. An N-terminal fragment of IGFBP-3 (IGFBP-3 1-97) induces apoptosis in human prostate cancer cells by IGF-independent manner. Endocrine Society Meeting. San Diego, June 2005.

Zappala G., Bhattacharyya N., Elbi C., Edwards J., **Shahjee H.M.**, Rechler M. M. Induction of Apoptosis in Human Prostate Cancer Cells by Insulin-like Growth Factor Binding Protein-3 (IGFBP-3) Does Not Require Either Nuclear Localization or Binding to RXR- α “Mid-Atlantic Diabetes Research Symposium”, National Institutes of Health, Bethesda MD, October 1st, 2005

Shahjee, H.M., Prakash, S., Zappala, G. Wiench, M. Bhattacharyya, N. and Rechler, M.M. A non-secreted N-terminal IGFBP-3 fragment (1-97) can induce apoptosis in human prostate cancer cells intracellularly in an IGF-

independent manner. NIDDK Fellows Retreat, May 2006.

Bhattacharyya, N., Pechhold, K., **Shahjee, H.M.**, Zappala, G., Raaka, B., Elbi, C. and Rechler, M.M. Non-secreted IGFBP-3 can induce apoptosis in human prostate carcinoma cells. Endocrine Society Meeting. June 2006.

Zappala, G., Bhattacharyya, N., Edwards, J., Elbi, C., **Shahjee, H.M.** and Rechler M.M. An IGFBP-3 mutant that does not bind RXR- induces apoptosis in human prostate cancer cells. Endocrine Society Meeting. June 2006.

Shahjee, H.M., Prakash, S., Zappala, G. Wiench, M. Bhattacharyya, N. and Rechler, M.M. A non-secreted N-terminal IGFBP-3 fragment (1-97) can induce apoptosis in human prostate cancer cells intracellularly in an IGF-independent manner. Endocrine Society Meeting. June 2006.

Courses and Seminars

I have got the Biotrac training course in siRNA Technology at NIH in November 2004. I have also got training in Center for Information Technology course in April 2004. In the meantime I have attended various seminars at the NIH calendar of events.

TECHNICAL SKILLS

I have good experience in most Molecular Biology Techniques including those related to gene cloning, expression etc. Also, have technical skills in some of the commonly used techniques like Transformation, protein purification, SDS PAGE, western blotting, ligand blotting, cell culture, Agarose gel Electrophoresis, isolation of DNA, RNA and proteins, PCR, cloning, protein expression, transfection and extract preparations, etc. Currently, I am working as a research fellow at NIDDK and my project is to find out how IGFBP-3 induces Apoptosis in Prostate Cancer Cells.

REFERENCES

Dr MATT RECHLER

Principial Investigator

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