

## Shishir Shishodia, Ph.D.

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### A. Professional Preparation

| Degree | Year | University                                | Major                  |
|--------|------|---|------------------------|
| Ph.D.  | 1997 | Banaras Hindu University, Varanasi, India | Biotechnology          |
| M.S.   | 1993 | Banaras Hindu University, Varanasi, India | Zoology (Biochemistry) |
| B.S.   | 1991 | Ranchi University, Ranchi, India          | Zoology (Honors)       |

### B. Appointments

|              |  |
|--------------|--|
| 2005-present | Assistant Professor, Dept of Biology, Texas Southern University, Houston, TX   |
| 2001-2005    | Postdoctoral Fellow, Cytokine Research Section, Dept. of Bioimmunotherapy/<br>Experimental Therapeutics, Univ of Texas MD Anderson Cancer Center,<br>Houston, TX |
| 1996-2001    | Asst. Professor of Zoology, Dept. of Zoology, Patna University, Patna, India   |
| 1994-1996    | Research Fellow (CSIR-NET), School of Biotechnology, Banaras Hindu<br>University, Varanasi, India  |

### C. Selected Peer Reviewed Publications: *Over 70 papers in peer reviewed scientific journals*

Most Closely Related to the Proposed Project:

1. Shishodia S, Sethi G, Ahn KS and Aggarwal BB. (2007) Guggulsterone Inhibits Tumor Cell Proliferation, Induces S-Phase Arrest, and Promotes Apoptosis Through Activation of c-Jun N-Terminal Kinase, Suppression of Akt, and Downregulation of Antiapoptotic Gene Products in Human Leukemia Cells. *Biochemical Pharmacology*, 74(1): 118-30.
2. Aggarwal BB, Shishodia S. (2006). Molecular targets of dietary agents for prevention and therapy of cancer. *Biochemical Pharmacology*, 71(10): 1397-421.
3. Aggarwal BB, Shishodia S, Takada Y, Banerjee S, Newman R, Bueso-Ramos CE and Price JE (2005) Curcumin Suppresses the Paclitaxel-induced NF- $\kappa$ B Pathway in Breast Cancer Cells and Inhibits Lung Metastasis of Human Breast Cancer in Nude Mice. *Clinical Cancer Research*, 11(20): 7490-8.
4. Shishodia S, Amin HM, Lai R and Aggarwal BB. (2005) Curcumin (Diferuloylmethane) Inhibits Constitutive NF- $\kappa$ B Activation, Induces G1/S Arrest, Suppresses Proliferation and Induces Apoptosis in Mantle Cell Lymphoma. *Biochemical Pharmacology*, 70: 700-13.
5. Siwak DR, Shishodia S, Aggarwal BB, and Kurzrock R (2005) Curcumin-induced antiproliferative and proapoptotic effect in melanoma cells is associated with suppression of IKK and NF- $\kappa$ B activity, and is independent of the B-Raf/MEK/ERK and Akt pathways. *Cancer*. 104: 879-90.

### D. Synergistic Activities

#### *Student Development Activities*

TSU-University of Texas GSBS Collaborative on Prostate Cancer: Organized several seminars by eminent scientists for undergraduate students. Recruited summer students for paid summer internships at M D Anderson Cancer Center

College of Science and Technology, Career Planning Day – Fall 2007, Spring 2008, Member of the organizing committee

*Department Committees:* 2007-2008, Research and Graduate Studies, Curriculum Development

*College Committees:* 2007-2009, Research Committee, College Preparedness Committee