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**Education:**

* 1. M.B., B.S Government Medical College, Patiala, India.

1985-1988 M.S. Surgery Residency, All India Institute of Medical Sciences, New Delhi, India.

* 1. Dr. Med, University of Zurich, Switzerland.
  2. Internal Medicine Residency, LAC + USC Medical Center. Los Angeles.
  3. Hematology Oncology fellowship, University of California, Los Angeles.

**Medical License:** California A75974

**Board Certification:** Internal Medicine, Hematology, and Oncology

**Research and Professional Experience:**

2012 onwards Associate Professor, West Los Angeles VA- UCLA, Division of Hematology Oncology.

2006-2012 Assistant Professor, West LA VA Medical Center, Division of Hematology Oncology.

2005-2006 Post Graduate Researcher West LA VA Medical Center, Los Angeles, CA.

1993-1999 Assistant Research Scientist UCSD Gene Therapy Program.

1988-1990 Research Associate, Department of Biotechnology, All India Institute of Medical Sciences, New Delhi, India.

**Research Grants and Fellowship:**

1. Swiss government Bundestipendium. Fellowship award to study in Switzerland, 1990-1993.

2. Young Investigator Award, YIA from American Society of Clinical Oncology (ASCO), 2005-2007.

3. Fellowship from Tumor Immunology training grant NIH 5-T32-CA009120-30. 2005-2006.

4. Flight Attendant Medical Research Institute (FAMRI). Young Clinical Scientist Award. July 2007 –June 2012. PI- Sanjai Sharma. To study the role of Egr3 in smoking induced cancer.

5. VA Merit Grant, Aberrant splicing of the E-cadherin gene. Oct 2010 to Oct 2013. PI: Sanjai Sharma.

**Research Patents:**

1. [Novel expression vectors containing accessory molecule ligand genes and their use for immunomodulation and treatment of malignancies and autoimmune disease.](http://surfip.ipexl.com/directory/en/similar/Novel_expression_vectors_containing_accessory_molecule_ligand_genes_and_their_use_for_1.html) [Thomas J Kipps](http://surfip.ipexl.com/directory/en/inventor/Thomas_J_Kipps_1.html), [Sanjai Sharma](http://surfip.ipexl.com/directory/en/inventor/Sanjai_Sharma_1.html), [Mark Cantwell](http://surfip.ipexl.com/directory/en/inventor/Mark_Cantwell_1.html).

2. [Chimeric nucleic acids encoding polypeptides comprising CD154 and TNF-α.](http://surfip.ipexl.com/directory/en/similar/Chimeric_nucleic_acids_encoding_polypeptides_comprising_CD154_and_TNF-%CE%B1_1.html) [Thomas J Kipps](http://surfip.ipexl.com/directory/en/inventor/Thomas_J_Kipps_1.html), [Sanjai Sharma](http://surfip.ipexl.com/directory/en/inventor/Sanjai_Sharma_1.html), [Mark Cantwell](http://surfip.ipexl.com/directory/en/inventor/Mark_Cantwell_1.html).

3. [Methods of expressing chimeric mouse and human CD40 ligand in human CD40+ cells.](http://surfip.ipexl.com/directory/en/similar/Methods_of_expressing_chimeric_mouse_and_human_CD40_ligand_in_human_CD40%2B_cells_1.html) [Thomas J Kipps](http://surfip.ipexl.com/directory/en/inventor/Thomas_J_Kipps_1.html), [Sanjai Sharma](http://surfip.ipexl.com/directory/en/inventor/Sanjai_Sharma_1.html), [Mark Cantwell](http://surfip.ipexl.com/directory/en/inventor/Mark_Cantwell_1.html).

**Publications**

1. Sharma S., Mishra MC., Kapur BML., Verma K., Nath I. The prognostic significance of Ploidy analysis in operable breast cancer. Cancer 1991; 68 : 2612-2616.

2. Sharma S., Schwarte-Waldhoff I., Oberhuber H., Schaefer R. Functional interaction of wild type and mutant p53 transfected into human tumor cell lines carrying activated RAS genes. Cell Growth and Differentiation 1993; 4: 861-869.

3. Sharma, S., Schwarte-Waldhoff, I., Schaefer, R., Incorporation of Mutant p53 gene into human fibrosarcoma cells mediates growth stimulation of adjacent tumor cells. Transgenics 1994; 1: 497-504.

4. Sharma S and Tozer JR. Development of adenovirus vectors for gene therapy. Mental Retardation and Development Disabilities Research Reviews 1995; 1:19-26.

5. Cantwell M., Sharma S., Friedmann T., Kipps TJ. Adenovirus vector infection of chronic lymphocytic leukemia B cells. Blood 1996; 88:4676-4683.

6. Sharma S., Cantwell M., Kipps TJ., Friedmann T. Efficient infection of a T cell line and of primary peripheral blood leukocytes with a pseudotyped retroviruses vector. Proceeding of National Academy of Sciences, USA 1996; 93: 11842-11847.

7. Sharma S., Murai F., Miyanohara A., Friedmann T. Noninfectious virus-like particles produced by Moloney murine leukemia virus-based retrovirus packaging cells deficient in viral envelope become infectious in the presence of lipofection reagents. Proceeding of National Academy of Sciences, USA 1997; 94: 10803-10807.

8. Kato K., Cantwell MJ., Sharma S., Kipps TJ. Gene Transfer of CD40-Ligand Induces Autologous Immune Recognition of Chronic Lymphocytic Leukemia B Cells. Journal of Clinical Investigation 1998. 101: 1133-1141.

9. Burger JA., Baird SM., Powell HC., Sharma S., Eling DJ., Kipps TJ. Local and systemic effects after adenoviral transfer of the murine granulocyte macrophage colony-stimulating factor gene into mice. British Journal of Haematology, 1999; 108, 641-652.

10. Sharma S., Miyanohara A., Friedmann T. Separable mechanisms of attachment and cell uptake during retrovirus infection. J. Virology. 2000; 74: 10790-5.

11. Eling DJ, Johnson PA, Sharma S, Tufaro F, Kipps TJ.. Chronic lymphocytic leukemia B cells are highly sensitive to infection by herpes simplex virus-1 via herpesvirus-entry-mediator A. Gene Therapy. 2000;14:1210-6.

12. Hsu JH., Shi Y, Frost P., Yan H, Hoang B, Sharma S., Gera J., Lichtenstein A.. Interleukin-6 activates phosphoinositol-3' kinase in multiple myeloma tumor cells by signaling through RAS-dependent and, separately, through p85-dependent pathways. Oncogene. 2004; 23 :3368-75.

13. Hoang B, Zhu L, Shi Y, Frost P, Yan H, Sharma S, Goodglick L, Dubinett S, Lichtenstein A. Oncogenic RAS mutations in myeloma cells selectively induce cox-2 expression, which participates in enhanced adhesion to fibronectin and chemoresistance. Blood. 2006; 107(11): 4484-90.

14. Yan H, Frost P, Shi Y, Hoang B, Sharma S, Fisher M, Gera J, Lichtenstein. Mechanism by which mammalian target of rapamycin inhibitors sensitize multiple myeloma cells to dexamethasone-induced apoptosis. Cancer Res. 2006; 66(4): 2305-13.

15. Sharma S, Nemeth E, Chen YH, Goodnough J, Huston A, Roodman GD, Ganz T, Lichtenstein A. Involvement of hepcidin in the anemia of Muliple Myeloma. Clin Cancer Res. 2008 ;14(11):3262-7.

16. Sharma S and Lichtenstein A. Dexamethasone induced apoptotic mechanisms in myeloma cells by analysis of mutant glucocorticoid receptors. Blood, 2008 ;112(4):1338-45.

17. Sharma S and Lichtenstein A. Aberrant splicing of the E-cadherin transcript is a novel mechanism of gene silencing in Chronic lymphocytic leukemia cells. Blood. 2009;114(19):4179-85.

18. Sharma S, Liao W, Zhou X, Wong DTW, Lichtenstein A. Exon 11 skipping of E-cadherin RNA downregulates its expression in Head and Neck cancer cells. Mol Cancer Ther. 2011;10:1751-1759.

19. E-cadherin gene re-expression in chronic lymphocytic leukemia cells by HDAC inhibitors. Gwen Jordaan, Wei Liao, Sanjai Sharma. BMC Cancer.2013;13. 1471-2407-13-88.

20. Metabolomics Identifies Pyrimidine Starvation as the Mechanism of 5-Aminoimidazole-4- Carboxamide-1-β-Riboside-Induced Apoptosis in Multiple Myeloma Cells. Carolyne Bardeleben, Joseph Reeve, Sara Bassilian, Patrick Frost, Bao Hoang, and YiJiang Shi, Sanjai Sharma, Alan Lichtenstein. Mol Cancer Ther. 2013;12:1310-21.

21. Effect of epigenetic histone modifications on E-cadherin splicing and expression in lung cancer. Wei Liao, Gwen Jordaan, Minu K Srivastava, Steven Dubinett, Sherven Sharma and Sanjai Sharma. Am J Cancer Res 2013;3(4):374-389.

22. Amplification of B cell receptor-Erk signaling by Rasgrf-1 over-expression in chronic lymphocytic leukemia. Wei Liao, Gwen Jordaan, Natalie Coriaty, Sanjai Sharma. Leukemia & Lymphoma. 2014;55(12): 2907-16.

23. Signaling pathways and novel inhibitors in Chronic lymphocytic leukemia. Sanjai Sharma. Federal Practitioner. 14S August 2014.

24. Identification of histone epigenetic modifications with Chromatin immunoprecipitation PCR array in Chronic lymphocytic leukemia specimens. Gwen Jordaan, Wei Liao, Natalie Coriaty, Sanjai Sharma. Journal of Cancer Science & Therapy. 2014;6;325-332.

25. Gene expression and splicing alterations analyzed by high throughput RNA sequencing of chronic lymphocytic leukemia specimens. Wei Liao, Gwen Jordaan, Phillipp Nham, Ryan T Phan, Matteo Pelegrini, Sanjai Sharma. BMC Cancer, 2015 Oct 16;15:714.