

COLLEGE OF MEDICINE CURRICULUM VITAE

Sudershan K Bhatia
October 10, 2006

I. EDUCATIONAL AND PROFESSIONAL HISTORY

A. List of Institutions Attended:

Higher Education

1973-1978 MD (MBBS) - MLN Medical College Allahabad, UP, India

1985-1986 MPH - Johns Hopkins University Baltimore, MD

1986-1992 PhD - Johns Hopkins University Baltimore, MD

Postgraduate Medical Education

1978-1979 Internship - SRN Hospital, Allahabad, India

1979-1982 Post-graduate training - Pathology and Orthopedics, SRN Hospital, Allahabad, India

1998-1999 Transitional Rotating Internship – University of Iowa Hospitals and Clinics, Iowa City, IA

1999-2003 Residency – Radiation Oncology, University of Iowa, Iowa City, IA

2000-2001 Chief Resident – Radiation Oncology, University of Iowa, Iowa City, IA

2003-2004 Fellowship – Brachytherapy, Memorial Sloan-Kettering Cancer Center, New York, NY

Board Certification

2004 American Board of Radiology [Radiation Oncology]

Licensure

New York
Iowa

B. Professional and academic positions held:

1983-1985 Research Affiliate- Roswell Park Memorial Hospital,

COLLEGE OF MEDICINE CURRICULUM VITAE

Sudershan K Bhatia

page 2

Buffalo, NY

- 1986-1993 Graduate Research Associate - Dept. of Immunology & Infectious Diseases Johns Hopkins University, Baltimore, MD
- 1992-1993 Research Associate - Kyle Metabolic Research Labs & Endo. Service Walter Reed Army Medical Center, Washington, DC
- 1993-1996 Postdoctoral Associate – Department of Pathology, University of Iowa, Iowa City, IA
- 1996-1998 Research fellow - Division of Hematology and Oncology, College of Medicine, University of Iowa, Iowa City, IA
- 2005 Attending Radiation Oncologist, Newfoundland Cancer Treatment and Research Foundation, St. John's, Newfoundland, Canada
- 2005-present Assistant professor – Radiation Oncology, University of Iowa Hospitals and Clinics, Iowa City, IA

C. Honors, Awards, Recognitions, Outstanding Achievements (least to most recent)

- 1988-1989 NIH Training Grant – Immunotoxicology (NIEHS)
1990-1991 NIH Training Grant – Immunotoxicology (NIEHS)
1996-1998 NIH Training Grant – Molecular Hematology & Cell Biology

II. TEACHING

A. Teaching assignments on semester by semester basis

None

B. Students supervised

None

C. Other contributions to institutional programs

1981-1982 Teacher of Anatomy, Physiology and Sports Medicine, State College of Physical Education for Women, Allahabad, India
2005 – present Resident training, University of Iowa Hospitals and Clinics, Iowa City, IA

III. SCHOLARSHIP

A. Publications or creative works (least to most recent)

Peer reviewed publications

1. Shukla HS, **Bhatia SK**, Naitrani YP, Das P, Gupta SC. Peritoneal biopsy for diagnosis of abdominal tuberculosis. *Postgrad Med J.* 58(678):226-8, 1982.
2. Chopra RK, Carroll MP, May WS, **Bhatia SK**, Margolick JB, Nagel JE, Adler WH. Four interleukin-2 surface binding proteins detected in rat spleen cells. *Immunology.* 77(3):338-44, 1992.
3. Nagy EV, Morris JC, Burch HB, **Bhatia SK**, Salata K, Burman KD. Thyrotropin receptor T cell epitopes in autoimmune thyroid disease. *Clin Immunol Immunopathol.* 75(2):117-24, 1995.
4. **Bhatia SK**, Tygrett LT, Grabstein KH, Waldschmidt TJ. The effect of in vivo IL-7 deprivation on T cell maturation. *J Exp Med.* 181(4):1399-409, 1995.
5. Erickson LD, Tygrett LT, **Bhatia SK**, Grabstein KH, Waldschmidt TJ. Differential expression of CD22 (Lyb8) on murine B cells. *Int Immunol.* 8(7):1121-9, 1996.
6. **Bhatia SK**, Rose NR, Schofield B, Lafond-Walker A, Kuppers RC. Influence of diet on the induction of experimental autoimmune thyroid disease. *Proc Soc Exp Biol Med.* 213(3):294-300, 1996.
7. Rijhsinghani AG, **Bhatia SK**, Tygrett LT, Waldschmidt TJ. Effect of pregnancy on thymic T cell development. *Am J Reprod Immunol.* 35(6):523-8, 1996.
8. Rijhsinghani AG, Thompson K, **Bhatia SK**, Waldschmidt TJ. Estrogen blocks early T cell development in the thymus. *Am J Reprod Immunol.* 36(5):269-77, 1996.
9. Rijhsinghani AG, Thompson K, Tygrette L, **Bhatia SK**. Inhibition of interleukin-10 during pregnancy results in neonatal growth retardation. *Am J Reprod Immunol.* 37(3):232-5, 1997.
10. Rijhsinghani A, **Bhatia SK**, Kantamneni L, Schlueter A, Waldschmidt TJ. Estrogen inhibits fetal thymocyte development in vitro. *Am J Reprod Immunol.* 37(5):384-90, 1997.
11. Liu HM, Newbrough SE, **Bhatia SK**, Dahle CE, Krieg AM, Weiner GJ. Immunostimulatory CpG oligodeoxynucleotides enhance the immune response to vaccine strategies involving granulocyte-macrophage colony-stimulating factor. *Blood.* 92(10):3730-6, 1998.
12. Warren TL, **Bhatia SK**, Acosta AM, Dahle CE, Ratliff TL, Krieg AM, Weiner GJ. APC stimulated by CpG oligodeoxynucleotide enhance activation of MHC class I-restricted T cells. *J Immunol* 165(11):6244-51, 2000.
13. Schlueter AJ, **Bhatia SK**, Li X, Tygrett LT, Yamashita Y, de Vries P, Waldschmidt TJ. Delineation among eight major hematopoietic subsets in murine bone marrow using a two-color flow cytometric technique. *Cytometry* 43(4):297-307, 2001.
14. **Bhatia SK**, Paulino AC, Buatti JM, Mayr NA and Wen BC. Curative radiation therapy for primary orbital lymphoma. *Int J Radiat Oncol Biol Phys.* 54(3):818-23, 2002.
15. Narayana A, **Bhatia S**, Souweidane M, Khakoo Y, Zaider M. (32) P radioisotope therapy for recurrent pilocytic astrocytoma. *Brachytherapy* 4(2):171-3, 2005.
16. Yamada Y, **Bhatia S**, Zaider M, Cohen G, Donat M, Eastham J, Rabbani F, Schupak K, Lee L, Lee J, Mueller B and Zelefsky MJ. Favorable clinical outcomes of three dimensional computer optimized inverse high dose rate prostate brachytherapy in the management of localized prostate cancer. *Brachytherapy* 5(3): 157-64, 2006.

Book Chapters

1. Rose NR and **Bhatia SK**. Autoimmunity: Animal models of human autoimmune disease. In Burleson GR, Dean J, Munson A (eds): Modern methods in toxicology, vol. 11, New York: Wiley-Liss Publishers, 1992.
2. **Bhatia SK** and Rose NR. Autoimmunity and autoimmune disease. In Bitter EE and Bitter N (eds): Principles of medical Biology, Jai Press Inc., Greenwich CT., 1994.

B. Areas of Research Interest and Current Projects

Molecular Imaging and Targeted Therapy, Radioimmunotherapy
4-Dimensional imaging and respiratory-gated therapy

C. Published reviews of scholarship

None

D. Grants received

None

E. Conference presentations (Selected)

1. Influence of diet on the induction of experimental autoimmune thyroid disease in mice. American Association of Immunologists meeting. May 1992 Denver, CO
2. Thyroglobulin epitopes involved in autoimmune thyroid disease. 75th Endocrine Society Meeting, June 1993, Las Vegas, Nevada.
3. Sequence analysis of antigenic epitopes of thyroglobulin. American Thyroid Society Meeting, Nov 1993, Tampa, FL.
4. A new standard protocol for identification of murine bone marrow cell lineages. Autumn Immunology Conference, Oct 1994, Chicago, IL.
5. The effect of in-vivo IL-7 deprivation on T cell maturation. Experimental Biology meeting April 1994, Anaheim, CA.
6. In-vivo administration of anti-CD40 ligand (gp39) blocks the rejection of MHC class II disparate skin allografts. 9th International Congress of Immunology. July 1995, San Francisco, CA.
7. CpG oligodeoxynucleotides and antigen pulsed dendritic cells enhances activation of T cells. FASEB, April 1998, San Francisco, CA.
8. Curative radiation therapy for orbital lymphoma. ASTRO annual meeting. Oct. 2000, San Francisco, CA.
9. Intraluminal brachytherapy combined with external beam radiation therapy for biliary tract cancer. RSNA, Nov 2002, Chicago IL.
10. Biochemical control and tolerance of HDR brachytherapy and 3-D conformal radiotherapy for patients with clinically localized prostate cancer. American Brachytherapy Meeting, May 2004, Barcelona, Spain.

COLLEGE OF MEDICINE CURRICULUM VITAE

Sudershan K Bhatia

page 5

11. Four dimensional CT image-guided treatment planning improves target precision in extracranial stereotactic radiation therapy for lung tumors.
12. RSNA, Nov 2006, Chicago IL.
13. Cost-efficient utilization of new technology for precise tumor targeting. American Radium Society Meeting, May 2007, Amsterdam, Netherlands.

- F. Pending decisions** (grant proposals, book contracts)
American Cancer Society seed grant proposal for experimental brachytherapy project – submitted.

IV. SERVICE

A. Memberships in Professional Organizations

1999-present American Society of Therapeutic Radiology and Oncology
2005-present American Brachytherapy Society
2006-present American Society of Clinical Oncology
2006-present The Cancer and Leukemia Group B (CALGB)

B. Clinical assignments since last promotion (if applicable)