

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Dinesh S. Rao		POSITION TITLE Clinical Instructor, Hematopathology Daljit S. and Elaine Sarkaria Fellow in Disease Research and Clinical Innovation	
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
Case Western Reserve University, Cleveland, OH	B.S.	1991-1995	Biochemistry
Case Western Reserve University, Cleveland, OH	M.D.	1996-2000	Medicine
University of Michigan, Ann Arbor, MI		2000-2003	Oncology
UCLA Medical Center, Los Angeles, CA		2003-2005	Anatomic Pathology
UCLA Medical Center, Los Angeles, CA		2005-2006	Hematopathology
California Institute of Technology, Pasadena, CA	Ph.D.	2006-current	Biology (Mentor: Dr. David Baltimore)

**A. Positions and Honors.****Positions and Employment**

1995-96 Research Assistant, Molecular and Microbiology, Case Western Reserve University, Cleveland, Ohio

2000-2003 Research Fellow, Internal Medicine, University of Michigan, Ann Arbor, Michigan

2003-2005 Resident Physician, Department of Pathology and Laboratory Medicine, UCLA Medical Center, Los Angeles, California

2005-2006 Clinical Fellow, Hematopathology, Department of Pathology and Laboratory Medicine, UCLA Medical Center, Los Angeles, California.

2006-current Clinical Instructor, Hematopathology, Department of Pathology and Laboratory Medicine, UCLA Medical Center, Los Angeles, California.

**Other Experience and Professional Memberships**

1998-current Member, American Medical Association

2002-03 Founder and Coordinator, Neurodegeneration Journal Club, University of Michigan.

2000-current Medical Editor, Firstconsult.com.

2003-current Member, United States and Canadian Academy of Pathology

2005-current Member, Society for Hematopathology

**Honors**

1991-92 Robert C. Byrd Scholar, Case Western Reserve University

1991-95 Provost Scholar, Case Western Reserve University

1991-95 Dean's High Honors

1994 Phi Beta Kappa

1995 Harland G. Wood Prize, Best Undergraduate student in Biochemistry

1995 Summa cum laude graduate

1997 Joseph S. Silber Fellow, American Cancer Society

2000 Department of Neurology Award, Best Medical Student in Neurology

2001 Research Fellow, Huntington's Disease Society of America

2003-current Fellow, Specialty Training and Advanced Research (STAR), UCLA

2003-current Daljit S. and Elaine Sarkaria Fellow in Disease Research and Clinical Innovation, Department of Pathology and Laboratory Medicine, UCLA

2007 Joanne Levy Memorial Award for Outstanding Achievement, American Society of Hematology Annual Meeting, Atlanta, GA.

## Patents

Ross, T.S., Mizukami, I.F., **Rao, D.S.** HIP1 Cancer Markers, Patent Pending. United States Patent and Trademark Office Application 20030124533.

## Licensure and Endorsements

Physician and Surgeon Certificate A89461, Medical Board of California, 11/24/2004-11/30/2008.

Diplomate, Anatomic Pathology, American Board of Pathology, 11/18/2005.

Diplomate, Hematology, American Board of Pathology, 9/26/2006.

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

### (i) Original Research and theoretical treatises.

1. **Rao DS**, Chang JC, Kumar PD, Mizukami IF, Smithson G, Bradley SV, Parlow AF, Ross TS, (2001). "Huntingtin Interacting Protein 1 is a clathrin coat binding protein required for the differentiation of late spermatogenic progenitors". *Molecular and Cellular Biology*, **21**(22): 7796-7806.
2. **Rao DS**, Hyun TS, Kumar PD, Mizukami IF, Lucas P, Rubin M, Sanda M, Ross TS (2002). "Huntingtin-interacting protein 1 is over-expressed in prostate and colon cancer and is critical for cellular survival." *Journal of Clinical Investigation*, **110**: 351-360.
3. **Rao DS**, Bradley SV, Kumar PD, Hyun TS, Saint-dic DS, Oravec-Wilson KI, Kleer CG, Ross TS (2003). "Altered Receptor Trafficking in Huntingtin-Interacting Protein 1-transformed cells". *Cancer Cell*, **3**: 471-482.
4. Hyun TS, **Rao DS**, Saint-Dic D, Evan Michael L, Kumar PD, Bradley SV, Mizukami IF, Oravec-Wilson KI, Ross TS (2004). HIP1 and HIP1r stabilize receptor tyrosine kinases and bind 3-phosphoinositides via ENTH domains. *Journal of Biological Chemistry*. **279**(14):14294-306.
5. Oravec-Wilson KI, Kiel MJ, Li L, **Rao DS**, Saint-Dic D, Kumar PD, Provot MM, Hankenson KD, Reddy VN, Lieberman AP, Morrison SJ, Ross TS (2004). Huntingtin Interacting Protein 1 mutations lead to abnormal hematopoiesis, spinal defects and cataracts. *Human Molecular Genetics*. **13**(8):851-67.
6. **Rao DS**, Goldin JG, Fishbein MC (2005). Determinants of plaque instability in atherosclerotic vascular disease. *Cardiovascular Pathology*. Nov-Dec; **14**(6):285-93.
7. **Rao DS**, Infeld MD, Stern RC, Chelimsky TC (2006). Cough-induced hemiplegic migraine with impaired consciousness in cystic fibrosis. *Pediatric Pulmonology*. **41**(2):171-6.
8. Pham PH, **Rao DS**, Vasunilashorn F, Fishbein MC, Goldin JG (2006). Computed Tomography Calcium Quantification as a Measure of Atherosclerotic Plaque Morphology and Stability. *Invest Radiol*. **41**(9):674-680.
9. **Rao DS**, Gui D, Koski ME, Popoviciu LM, Wang H, Reiter RE, Said JW (2006). An Inverse Relation Between COX-2 and E-cadherin Expression Correlates With Aggressive Histologic Features in Prostate Cancer. *Appl Immunohistochem Mol Morphol*. **14**(4):375-383.
10. O'Connell RM, **Rao DS**, Chaudhuri AA, Boldin MP, Taganov KD, Nicoll J, Paquette RL, Baltimore D (2008). Sustained expression of microRNA-155 in hematopoietic stem cells causes a myeloproliferative disorder. *J Experimental Medicine*, **205**(3):585-94.

### (ii) Case Reports and Reviews.

11. Kaluza V, **Rao DS**, Said JW, de Vos S (2006). Primary extranodal nasal-type natural killer/T-cell lymphoma of the brain: a case report. *Human Pathology*. **37**(6):769-72.
12. **Rao DS** and Said JW (2007) "Small lymphoid proliferations in extranodal locations". *Archives of Pathology and Laboratory Medicine*. **131**(3):383-396.

**C. Research Support.**

**Ongoing Support**

Basic Science Fellow Scholar Award 7/1/2006-6/30/2008  
American Society of Hematology  
Generating Instructive Immunity against B-cell lymphoma  
Role: PI

**Completed Support**

Joseph S. Silber Fellowship, American Cancer Society, 7/1/1997-9/1/1997.  
Research Fellowship Grant, Huntington's Disease Society of America, 7/1/2001-6/30/2003  
Career Development Award P50 CA092131, NIH Prostate SPORE, UCLA, 1/1/2004-12/31/2005