

## *CURRICULUM VITAE*

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### EDUCATION

1997 Ph.D., Department of Developmental and Molecular Biology,  
Albert Einstein College of Medicine, Bronx, NY 10461.  
Thesis: Role of Protein Factors in Initiation of Translation in  
Eukaryotic Cells  
Thesis Advisor: Umadas Maitra, Ph.D.

1992 M.S., Department of Developmental and Molecular Biology,  
Albert Einstein College of Medicine, Bronx, NY 10461.

1990 M.Sc., Department of Biochemistry,  
Calcutta University, Calcutta, India.

1988 B.Sc., Presidency College, Department of Chemistry,  
Calcutta University, Calcutta, India.

### POST GRADUATE TRAINING

1997-2005: Post-doctoral Fellow,  
Laboratory of Frederick W. Alt, Ph.D.,  
Howard Hughes Medical Institute,  
Department of Genetics and Center for Blood Research,  
Harvard Medical School, Boston, MA 02115.

### HONORS AND AWARDS

1996 Sue Golding Graduate School Award Lecture, Albert Einstein  
College of Medicine

1997-2000 Damon Runyon Cancer Research Fund Fellow.

2001-2003 HHMI Research Fellow.

2006-2008 Damon Runyon Cancer Research Fund Scholar

### CURRENT POSITION

Assistant Member, Immunology Program, Memorial Sloan Kettering Cancer Center,  
1275 York Avenue, New York, NY 10021.

## PUBLICATIONS

1. Basu U <sup>†</sup>, **Chaudhuri J**<sup>†</sup>, Alpert C, Dutt S, Ranganath S, Li G, Schrum JP, Manis J, and Alt FW. (2005) The AID antibody diversification enzyme is regulated by Protein Kinase A phosphorylation. *Nature* 438: 508-511. (<sup>†</sup>Equal contribution).
2. Dudley DD, **Chaudhuri J**, Bassing CH, Alt FW (2005) Mechanism and Control of V(D)J Recombination versus Class Switch Recombination: Similarities and Differences. *Adv Immunol*, 86: 43-112.
3. Zarrin AA, Alt FW, **Chaudhuri J**, Stokes N, Kaushal D, Du Pasquier L and Tian M. (2005) An evolutionarily conserved target motif for immunoglobulin class-switch recombination. *Nat Immunol*, 5:1275-1281.
4. **Chaudhuri J**, Khuong C, and Alt FW. (2004) Replication Protein A interacts with AID to promote deamination of somatic hypermutation targets. *Nature*, 430: 992-998.
5. **Chaudhuri J** and Alt FW. (2004) Class Switch Recombination: Interplay of transcription, DNA deamination and DNA repair. *Nature Reviews Immunology*. 4: 541-52
6. Rooney S, **Chaudhuri J**, and Alt FW. (2004) The role of the non-homologous end-joining pathway in lymphocyte development. *Immunological Reviews*. 200: 115-131
7. Dedeoglu F, Horwitz B, **Chaudhuri J**, Alt FW, Geha RS. (2004) Induction of AID gene expression by IL-4 and CD40 ligation is dependent on STAT6 and NFkB. *Int. Immunol*. 16: 395-404.
8. **Chaudhuri J**, Tian M, Khuong C, Pinaud E, Alt FW. (2003) Transcription-targeted DNA deamination by the AID antibody diversification enzyme. *Nature*, 422:726-730.
9. Rooney S, Sekiguchi J, Zhu C, Cheng HL, Manis J, Whitlow S, DeVido J, Foy D, **Chaudhuri J**, Lombard D, Alt FW. (2002) Leaky Scid phenotype associated with defective V(D)J coding end processing in Artemis-deficient mice. *Mol. Cell*, 6:1379-90.
10. Sekiguchi JM, Gao Y, Gu Y, Frank K, Sun Y, **Chaudhuri J**, Zhu C, Cheng HL, Manis J, Ferguson D, Davidson L, Greenberg ME, Alt FW. (1999). Nonhomologous end-joining proteins are required for V(D)J recombination, normal growth, and neurogenesis. *Cold Spring Harb Symp Quant Biol*. 64:169-81.
11. Wong KK, Chang S, Weiler SR, Ganesan S, **Chaudhuri J**, Zhu C, Artandi SE, Rudolph KL, Gottlieb GJ, Chin L, Alt FW, DePinho RA. (2000). Telomere dysfunction impairs DNA repair and enhances sensitivity to ionizing radiation. *Nat Genet*.26: 85-8.
12. Gao Y, Ferguson DO, Xie W, Manis JP, Sekiguchi J, Frank KM, **Chaudhuri J**,

Horner J, DePinho RA, Alt FW. (2000) Interplay of p53 and DNA-repair protein XRCC4 in tumorigenesis, genomic stability and development. *Nature*, 404:897-900.

13. **Chaudhuri J**, Chowdhury D, Maitra U. (1999). Distinct functions of eukaryotic translation initiation factors eIF1A and eIF3 in the formation of the 40 S ribosomal preinitiation complex. *J Biol Chem*. 274:17975-80.

14. Gao Y, Sun Y, Frank KM, Dikkes P, Fujiwara Y, Seidl KJ, Sekiguchi JM, Rathbun GA, Swat W, Wang J, Bronson RT, Malynn BA, Bryans M, Zhu C, **Chaudhuri J**, Davidson L, Ferrini R, Stamato T, Orkin SH, Greenberg ME, Alt FW. (1998) A critical role for DNA end-joining proteins in both lymphogenesis and neurogenesis. *Cell*. 95:891-902.

15. Gao Y, **Chaudhuri J**, Zhu C, Davidson L, Weaver DT, Alt FW. (1998) A targeted DNA-PKcs-null mutation reveals DNA-PK-independent functions for KU in V(D)J recombination. *Immunity*. 9:367-76.

16. Si K, **Chaudhuri J**, Chevesich J, Maitra U. (1997) Molecular cloning and functional expression of a human cDNA encoding translation initiation factor 6. *Proc Natl Acad Sci U S A*.94:14285-90.

17. **Chaudhuri J**, Chakrabarti A, Maitra U. (1997) Biochemical characterization of mammalian translation initiation factor 3 (eIF3). Molecular cloning reveals that p110 subunit is the mammalian homologue of *Saccharomyces cerevisiae* protein Prt1. *J Biol Chem*. 272:30975-83.

18. **Chaudhuri J**, Si K, Maitra U. (1997) Function of eukaryotic translation initiation factor 1A (eIF1A) (formerly called eIF-4C) in initiation of protein synthesis. *J Biol Chem*. 272:7883-91.

19. Farruggio D, **Chaudhuri J**, Maitra U, RajBhandary UL. (1996) The A1 x U72 base pair conserved in eukaryotic initiator tRNAs is important specifically for binding to the eukaryotic translation initiation factor eIF2. *Mol Cell Biol.*, 16:4248-56.

20. **Chaudhuri J**, Das K, Maitra U. (1994) Purification and characterization of bacterially expressed mammalian translation initiation factor 5 (eIF-5): demonstration that eIF-5 forms a specific complex with eIF-2. *Biochemistry*, 33:4794-9.

21. Chevesich J, **Chaudhuri J**, Maitra U. (1993). Characterization of mammalian translation initiation factor 5 (eIF-5). Demonstration that eIF-5 is a phosphoprotein and is present in cells as a single molecular form of apparent M(r) 58,000. *J Biol Chem*. 268:20659-67.