

Department of Chemistry & Biochemistry
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EDUCATION

2003 Doctor of Philosophy

Computational Studies on Protein Stability in Prof Raghavan Varadarajan's Laboratory,
Molecular Biophysics Unit, Indian Institute of Science, Bangalore, India.

1998 Master of Science

Division of Biological Sciences, Indian Institute of Science, Bangalore, India.

1995 Bachelor of Science

Agricultural Sciences, Bidhan Chandra Krishi Vishwavidyalaya, West Bengal, India.

PROFESSIONAL POSITION

2013-PRES Assistant Professor

Department of Chemistry & Biochemistry, South Dakota State University, Brookings, SD.

2009-2013 Research Assistant Professor

Department of Chemistry & Biochemistry, South Dakota State University, Brookings, SD.

2006-2009 Post-doctoral Fellow

Structural and Functional Studies of Protein involved in Epigenetic Regulation of Human genome in the Laboratory of Prof Ming-Ming Zhou, Department of Structural and Chemical Biology, Mount Sinai School of Medicine, New York, NY, USA.

2002-2006 Post-doctoral Fellow

Molecular Modeling Studies in the Laboratory of Dr Roberto Sanchez, Department of

PROFESSIONAL EXPERIENCE

Structural Biology (NMR Spectroscopy), Computational Biology/Bioinformatics, Functional Genomics, Biochemistry and Biophysical Chemistry in study protein structure and function.

METHODOLOGICAL DEVELOPMENTS

Development of algorithm to compute “**Residue Depth**” routinely used Pindel0gr6 (R -1 (u)3 (y ecu1 (u)3 (y ar-1 (e60,

PROFESSIONAL SOCIETY MEMBERSHIPS

2012-PRES Protein Society, USA

2010-PRES Biophysical Society, USA

2006-PRES American Association for the Advancement of Science

2004-2009 New York Academy of Science

1997-2000 Society of Biological Chemists, India

1999-2000 Indian Biophysical Society, India

REVIEWER FOR PROFESSIONAL JOURNALS

BMC Bioinformatics

Journal of Molecular Modeling

MENTOR OF STUDENTS & POST-DOCS (MY LABORATORY)

Francisca Egyr, Daniel Boamah (Graduate Student)

Tao Lin, ZiZhang Sheng, (Poc-Doc)

Bradley Iverson, Kyla Rush, Kaci Park, & Yeonji Lee (Undergraduates)

MISCELLANEOUS SCIENTIFIC ACTIVITY

Graduate Thesis committee Advisor, Dept of Chemistry and Bif siif t

Dr. Feng Li, Department of Veterinary & Biomedical Sciences. [Antiviral Protein Design & Bioinformatic Analysis of Viral Proteins].

Dr. Moul Dey, Department of Health and Nutritional Sciences. [Nutrition and Epigenetics].

Dr. Senthil Subramaniam, Department of Plant Sciences. [Bioinformatic and Functional analysis of Plant Transcription and Chromatin Proteins].

Dr. Radhe Kaushik, Department of Biology & Microbiology. [Bioinformatics of Pathogen Proteins].

Dr. Brian Moore, Office of Information Technology. [Computational Biology].

NATIONAL INSTITUTES OF HEALTH

Dr. L Aravind Iyer, NCBI, NLM, NIH. [Bioinformatics & Protein Evolution]

UNIVERSITY OF EDINBURGH, UK

Dr. A. Jeyaprakash Arulanandam, Wellcome Trust Centre for Cell Biology. [Protein Crystallography].