

BIOGRAPHICAL SKETCH

NAME Ravi Sirdeshmukh	POSITION TITLE Director-Grade Scientist		
CURRENT AFFILIATION: Centre for Cellular and Molecular Biology, Hyderabad, India			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Osmania University, Hyderabad, India	B Sc	1969	Chemistry
Osmania Univeristy, Hyderabad, India	M Sc	1973	BioChemistry
Osmania University, Hyderabad, India	Ph D	1980	BioChemistry
Washington University Medical School, St Louis, MO, USA	PDF	1982-87	Bio chemistry, Mol Biology

List of five recent publications by the candidate:

1. **Sirdeshmukh Ravi**, Vani Santosh and Anusha Srikanth (2007) Differential protein expression, protein profiles of human gliomas and clinical implications. In *Bio Arrays - from Basics to diagnostics*, pp. 145 – 69, Ed Appasani, K.. Humana Press, NJ, USA
2. Sanjeev Shukla, Rukmini B Govekar, **Ravi Sirdeshmukh**, Curam S Sundaram, Anil D'Cruz, K Alok Pathak, Shubhada V Kane, Surekha M Zingde (2007) Tumor antigens eliciting autoantibody response in cancer of gingivo-buccal complex. *Proteomics – Clinical Applications*. 1, 1592-1604.
3. Mathivanan S (**Ravi Sirdeshmukh**) et al. (2008) Human Proteinpedia enables sharing of human protein data. *Nat Biotechnol*. 26(2):164-7.
4. Poonam Gautam^{1,5,†}, Jata Shankar^{1,6,†}, Taruna Madan¹, **Ravi Sirdeshmukh**², Curam Sreenivasacharlu Sundaram², Wasudev Namdeo Gade³, Seemi Farhat Basir⁴, Puranam Usha Sarma^{1,7} (2008) Proteomic and transcriptomic analysis of *Aspergillus fumigatus* on exposure to amphotericin B. *Antimicrobial Agents and Chemotherapy* 52:4220-7.
5. **Sirdeshmukh Ravi**, *Proteomics in India – An Overview* (2008) *Mol Cell Proteomics*. 7:1406-7.
6. Suhasini AN, **Sirdeshmukh R.** (2007) Onconase action on tRNA(Lys3), the primer for HIV-1 reverse transcription. *Biochem Biophys Res Commun*. 363:304-9.

Please indicate in 200 words or less the reason(s) why you would be a suitable candidate for the HUPO Council elections.

I have been associated with HUPO and HUPO Council since 2003. I have been contributing to the HUPO and AOHUPO activities - I am presently member of the membership committee, Indian contact for the MPI of the AOHUPO and Convener of the 2010 AOHUPO Proteomics Conference to be held in India. I have always tried to learn HUPO philosophies of education, cooperation, collaboration through my association with HUPO fraternity and HUPO council, and integrate them to help proteomics activities back in India. I am trying to enhance this further as the president of the newly organized Proteomics Society-India and Consortium Manager of a Government sponsored Proteomics network. I hope my continued association with HUPO and HUPO council will help me to meet these objectives better.

Proteomics of Aspergillosis

23. Gautam Poonam, Sundaram Curam Sreenivasacharlu, Madan Taruna, Gade Wasudev Namdeo, Shah Ashok, Sirdeshmukh Ravi, Sarma Puranam Usha (2007) Identification of novel allergens of *Aspergillus fumigatus* using immunoproteomics approach. Clin. Exp. Allergy 8: 1239-49.

24.

Other Proteomics papers

25. Ravi Sirdeshmukh (2003) Mass Spectrometry and Challenges in Protein Identification and Characterization. Proceedings of the ISMAS Silver Jubilee Symposium on Mass Spectrometry, Jan 2003, Goa, India. Ed. S K Aggarwal, Vol. 1, pp. 369-374 .

26. Chandra H, Gupta PK, Sharma K, Mattoo AR, Garg SK, Gade WN, Sirdeshmukh R, Maithal K, Singh Y. (2005) Proteome analysis of mouse macrophages treated with anthrax lethal toxin. Biochim Biophys Acta. 1747(2):151-9.

27. Sirdeshmukh R.

Fostering proteomics in India . ((Invited Editorial)

J Proteome Res. (2006) 5 : 2879. No abstract available.

28. Sharma S, Sundaram CS, Luthra PM, Singh Y, Sirdeshmukh R, Gade WN. (2006) Role of proteins in resistance mechanism of *Pseudomonas fluorescens* against heavy metal induced stress with proteomics approach. J Biotechnol. 126(3) :374-82.