
BIOGRAPHICAL SKETCH

NAME Nandal, Anjali	POSITION TITLE <i>Faculty Research Assistant, Department of Animal and Avian Sciences, University of Maryland</i>
eRA COMMONS USER NAME (credential, e.g., agency login) anandal	

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
CCS Haryana Agricultural University, India	B.V.Sc & A.H	11/97	Bachelor of Veterinary Science
CCS Haryana Agricultural University, India	M.V.Sc	01/00	Masters of Veterinary Medicine
SBS University of Reading, UK	PhD	08/06	Molecular Microbiology
SOM University of Utah, Utah	Fellow	07/07	Yeast cell biology
NIH	Fellow	10/11	Cancer Cell biology
Johns Hopkins University SOM, MD	Sr Fellow	11/12	Insulin and Diabetes

A. Positions and Honors

Employment

01/00-11/01 Microbiologist, J.Mitra, India
12/01-12/02 Research Associate, NRCE, ICAR institute, India
11/06-07/07 Postdoctoral fellow, School of Medicine, University of Utah
07/07-10/11 Visiting fellow, NIDDK, NIH
10/11-11/12 Sr Research Fellow, Johns Hopkins School of medicine
11/12- Postdoctoral Fellow, Department of Animal and Avian Sciences, University of Maryland,

Honors and Awards

- Recipient of prestigious MSCRF postdoctoral grant, 2013
- Invited speaker at the Congress of International Biolron society held at Vancouver, Canada, 2011
- Felix scholarship for PhD study
- Best Poster Award- Reading University, UK
- Merit scholarship for BVSc and MVSc studies for excellent academic record

C. Selected Peer-reviewed Publications

Nandal, A., Ruiz, J.C., Subramanian, P., Ghimire-Rijal, S., Sinnamon, R.A., Stemmler, T.L., Bruick, R.K. and Philpott, C.C. (2011) Activation of the HIF Prolyl Hydroxylase by the Iron Chaperones PCBP1 and PCBP2. *Cell Metabolism* 14: 647-57.

Nandal, A., Frey, A., Park, J.H., Yabe, T., Park, M.H. and Philpott, C.C. (2012) Activation of the essential diiron enzyme deoxyhypusine hydroxylase by the iron chaperones PCBP1 and PCBP2. *PNAS* (to be submitted).

Nandal, A., Huggins, C.C.O., Woodhall, M.R., McHugh, J., Rodríguez-Quiñones, F., Quail, M.A., Guest, J.R. and Andrews, S.C. (2010) Induction of the ferritin gene (*ftnA*) of *Escherichia coli* by Fe²⁺-Fur is mediated by reversal of H-NS silencing and is RyhB independent. *Molecular Microbiology*. 75: 637-657.

Bogan, R., Riddle, R.C., Li, Z., Kumar, S., **Nandal, A.**, Faugere, M.C., Bouskey, A., Crawford, S.E. and Clemens, T.L. (2013) A mouse model for human osteogenesis imperfecta type VI. *J Bone and mineral research* 28: 1531-1536.

Leidgens, S., Bullough, K.Z., Shi, H., Yabe, T., Shakoury-Elizeh, M., Subramanian, P., Hsu, E., Natarayan, N., **Nandal, A.**, Stemmler, T.M. and Philpott, C.C. (2013) Each member of the PCBP family exhibits iron chaperone activity toward ferritin. *J Biol Chem* 288:17791-17802.

D. OTHER PUBLICATIONS

Nandal, A., Pontin, E. and Andrews, S.C. (2012) Multiplex DNA footprinting using fluorescently-labeled DNA. *Biol Proc.* (Accepted for publication).

Nandal, A., Cartron, M. and Andrews, S.C. (2012) Initial characterization of *ydiE*- a novel haem binding protein *FEMS lett.* (to be submitted for publication).

Khurana, S.K., Malik, P., **Nandal A.** and Srivastava, S.K. (2003) Seroprevalence of leptospirosis in equines in India. *Indian J CMI and Infec Dis* 24: 93-95.

Nandal, A. and Chaturvedi, G.C. (2001) Multidrug resistant *Salmonella* Typhimurium: potential threat to animal and human health. *Livestock Intl.* 5: 14-15.

Nandal, A., Singh, A. and Chaturvedi, G.C. (2001) A study of comparative effectiveness of various plasmid curing agents in *Salmonella typhimurium*. *Indian J CMI and Infec Dis.* 22: 168-169.

Nandal, A., Singh, A. and Chaturvedi, G.C. (2000) Determination of the antigenic profiles of the crude cell membrane preparations of some *Salmonella typhimurium* isolates by immunoblotting technique. In Laboratory manual of training on "Recent approaches in immuno-diagnostics for livestock and poultry diseases", ICAR center of Advanced studies, Department of Veterinary Microbiology, CCSHAU, Hisar, Haryana, Jan11-31, 2000.

Nandal, A., and Chaturvedi, G.C. (2000) Salmonellosis in Animals. *Haryana Farming*, September, 2000

Nandal, A., Singh, A. and Chaturvedi, G.C. (1999) Plasmid profiles of multidrug resistant *Salmonella typhimurium* isolated from diarrhoeic bovine calves in Haryana. Oral presentation at XIX Annual conference of IAVMI and national symposium on *Animal health: Retrospect and Prospect*, 1999. Department of Veterinary Microbiology, CCSHAU, Hisar-125004, Haryana

Nandal, A., Singh, A. and Chaturvedi, G.C. (1999) Preliminary observations on the effect of Iron on nucleic acid of *Salmonella typhimurium*. Oral presentation at XIX Annual conference of IAVMI and national symposium on *Animal health: Retrospect and Prospect*, 1999. Department of Veterinary Microbiology, CCSHAU, Hisar-125004, Haryana