

PRANAB JYOTI DAS

Curriculum Vitae

POST DOCTORAL RESEARCH ASSOCIATE
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EDUCATION/TRAINING

PhD-Animal Genetics and Breeding, WB University of Animal & Fishery Sciences, Kolkata, India 2006
MVSc -Animal Genetics and Breeding, WB University of Animal & Fishery Sciences, Kolkata, India 2004
BVSc & AH -Veterinary Medicine, College of Veterinary Science, Assam Agricultural University, Assam, India, 2000

PROFESSIONAL EXPERIENCE

2006-2007: Research Associate, Indian Veterinary Research Institute, UP, India
2007-Present: Post-Doctoral Research Associate, Texas A&M University, TX, USA
Area of Specialty: Animal comparative genomics, disease and functional genomics, genomics of sex and reproduction, molecular cytogenetics, animal breeding.

HONOURS AND RECOGNIZATION

Appreciation of present work at Texas A&M University-
<http://tamunews.tamu.edu/2010/08/26/texas-am-research-produces-tools-to-study-stallions-subfertility/>
<http://esciencenews.com/articles/2010/08/26/texas.am.research.produces.tools.study.stallions.subfertility>
<http://www.horsetalk.co.nz/news/2010/09/154.shtml> (Published in Horse Talk - New Zealand)

RESEARCH AWARDS

1. Project title: *Identification and Expression Analysis of Pseudoautosomal Region (PAR) Genes in Pig*- CVM Postdoctoral Research grant- \$10,000 (PI)
2. Project title: *Generation of a detailed gene map of the alpaca Major Histocompatibility Complex (MHC)*. D10LA-803A, Pranab J Das, B.V.Sc, M.V.Sc, PhD, Texas A&M University -\$10,800 (Recommended for funding by the Morris Animal Foundation) (PI).

PUBLICATIONS

1. Raudsepp T., **Das P.J.**, Avila F., Chowdhary B.P., (2011). The pseudoautosomal region and sex chromosome aneuploidies in domestic species. Disorders of Sex Development in Domestic Animals. *Sexual Development*, 6(1-3): 72-83.
2. **Das, P.J.**, Lyle, S., Beehan, D, Chowdhary, B.P. Raudsepp, T (2011) Cytogenetic and molecular characterization of Y isochromosome in a 63XO/64Xi(Yq) mosaic karyotype of an intersex horse. Disorders of Sex Development in Domestic Animals. *Sexual Development*, 6(1-3):117-127.
3. Raudsepp T., Durkin K., Lear T., **Das P.J.**, Avila F. Kachroo P., Chowdhary, B.P. (2010). Molecular heterogeneity of XY sex reversal in the horse. *Animal Genetics*, 41 (Suppl. 2), 41-52.

4. Juras R., Raudsepp T., Das P.J., Conant E., Cothran E.G. (2010). XX/XY blood lymphocyte chimerism in heterosexual dizygotic American Bashkir Curly horse twins. *Journal of Equine Veterinary Science*. Vol 30(10):575-580.
5. **Das P.J.**, Paria N., Gustafson-Seabury A., Vishnoi M., Chaki S.P., Love C.C., Varner D.D., Chowdhary B.P., Raudsepp T. (2010) Total RNA isolation from stallion sperm and testis biopsies. *Theriogenology*. 74 (6):1099-1106, 1106e1-2.
6. Sudderth A.K., **Das P.J.**, Varner D.D, Raudsepp T. (2010) Determination of optimal semen processing methods for total RNA isolation and sperm genomic analysis. ISER-2010. *Animal Reproduction Science*. 121S (2101) S149-S150.
7. **Das P.J.**, Vishnoi M., Kachroo P., Wang J., Love, C.C., Varner D.D and Raudsepp T. (2010) Expression microarray profiling of sperm and testis mRNA of reproductively normal stallions. ISER-2010. *Animal Reproduction Science*. 121S (2010) S175.
8. **Das P.J.**, Chowdhary B.P., Raudsepp T. (2009). Characterization of the bovine pseudoautosomal region (PAR) and comparison with sheep, goat and other mammalian PARs. *Cytogenetics and Genome Research*. 126:139–147.
9. Schneider D.A., O'Rourke K., Ahmed T., **Das P.J.**, Raudsepp T. (2009). Blood chimerism confounds genetic relative susceptibility testing for classical scrapie in sheep. *Journal of Veterinary Diagnostic Investigation*. 21:295–305.
10. Rajaravindra K.S., **Das P.J.**, Sukumar K., Ghosh S.K., and Mitra A. (2008). Molecular characterization of a novel variant of interferon-tau (IFNT) gene in Garole breed of sheep (*Ovis aries*). *Animal Reproduction science*. 104(3-4): 238-47.
11. Bhushan B., Patra B.N., **Das P.J.**, Dutt T., Kumar P., Sharma A., Umang, Dandapat S. Ahlawat S.P.S. (2007). Polymorphism of exon 2-3 of bovine major histocompatibility complex class I BoLa-A gene. *Genetics and Molecular Biology*. 30(3): 560-566.
12. Bhushan B., Patra B.N., Paswan C., Umang, Kumar P., Dutt T., **Das P.J.**, Sharma, A., Ahlawat S.P.S. (2007). DNA polymorphism of Bola-DRB 3.2 gene in Tharparkar Cattle (*Bos indicus*) by PCR-RFLP. *Journal of Applied Animal Research*. 32(2): 187-190.
13. Joy F., Basak S., Gupta S.K., **Das P.J.**, Ghosh, S.K., Ghosh T.C. (2006). Compositional Correlations in Canine Genome reflects similarity with human genome. *Journal of Biochemistry and Molecular Biology*. 39 (3). P: 240-246.
14. Biswas S., **Das P.J.**, Ghosh, S.K., Pradhan N.R. (2006). Diagnosis of Canine Parvovirus (CPV) DNA by Polymerase Chain Reaction assay and its prevalence in dogs in and around Kolkata, West Bengal. *Indian Journal of Animal Sciences*. Vol.76 (4). 324-25.

BOOK CHAPTERS

Raudsepp T., Das P.J. (2011) CHAPTER 16: GENOMICS OF REPRODUCTION & FERTILITY (Wiley Blackwell publication) (Accepted)