

CURRICULUM VITAE

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Research/Teaching Exp:

- 2009 Postdoctoral Associate in Fox Chase Cancer center, Philadelphia, PA-1911, **U.S.A.**
- 2008 Lecturership Position in National Institute of Pharmaceutical Education and Research, Hajipur, Bihar (Duration September 9th, 2008-December 31st 2008), Ministry of Chemical and Fertilizer, New Delhi, **India.**
- 2007 Fellowship from University of Regensburg, Germany (Duration May 1, 2007-October 31, 2007), Department of Hematology and Oncology, University of Regensburg, **Germany**

Education:

- 2008-04 Doctor of Philosophy in Biotechnology, Banaras Hindu University, **Varanasi, India**
- 2004-02 Master of Veterinary Science in Animal Biotechnology, National Dairy Research Institute, **Karnal, India.**
- 2002-97 Bachelor of Veterinary Science and Animal Husbandry, West Bengal University of Animal & Fisheries Sciences, **Kolkata, India.**

Awards:

- 2006 Open Management Admission test (OPENMAT), Indira Gandhi National Open University, New Delhi
- 2005 National Eligibility Test for Lectureship, Indian Council of Agricultural Research, New Delhi
- 2004 Junior Research Fellowship through a National Test, Indian Council of Medical Research (ICMR), New Delhi
- 2003 National Eligibility Test (NET) for Lectureship, Council for Scientific and Industrial Research (CSIR-UGC), New Delhi
- 2002 First Position in Order of Merit in Jawaharlal Nehru University's Animal Biotech. Entrance Examination, Jawaharlal Nehru University, New Delhi
- 1997 National Talent Scholarship (NTSC), Indian Council of Agricultural Research, New Delhi

Publications:

1. **Vivekanand Gupta** and Singh SM. Gender Dimorphism of macrophage response to GM-CSF and IL-4 for differentiation into dendritic cells. *American J. of Reprod. Immunol.* 2008 Jul; 60(1):43-54 (Blackwell).
2. **Vivekanand Gupta** and Singh SM. Gender Dimorphism in tumor cytotoxicity of chemotherapeutic drug cisplatin in a murine host-bearing a T-cell lymphoma. *Anticancer-Drugs* 2008 Jul; 19(6):583-92. (Lippincott).
3. **Vivekanand Gupta** and Singh, S.M. Gender Dimorphism of Tumor Growth: Role of Gonadal Hormones in differential Regulation of Apoptosis of a Murine T cell Lymphoma. *Journal of Biomedical Science.* 2008 Mar; 15(2):147-62 (Springerlink).
4. **Vivekanand Gupta** and Singh SM. Gender dimorphism in the myeloid differentiation of bone marrow precursor cells in a murine host bearing a T cell lymphoma. *J. Reprod Immunol.* 2007 Jun; 74(1-2):90-102. (Elsevier)
5. **Vivekanand Gupta**, R.S. Manik, M.S. Chouhan, S K Singla, Y.S. Akshey & P. Palta. 2004 Repeated ultrasound -guided transvaginal oocyte retrieval from cyclic murrah buffalo (*bubalus bubalis*): Oocyte recovery and quality. *Animal Reproduction Science* 91 (2006) 89 – 96. (Elsevier)
6. Prakash, **Vivekanand Gupta**, Singh SM, Singh MP, Singh G. Effect of intrauterine exposure of murine fetus to cyclophosphamide on development of thymus. *Immunopharmacol Immunotoxicol.* 2007; 29(1):17-30. (Taylor and Francis)
7. Mallick S.K., **Vivekanand Gupta**, Singh M.P., Vishvakarma N.K., Singh N., Singh S.M. Effect of Neem (*Azadirachta indica*) oil on the progressive growth of a spontaneous T cell lymphoma. *Oriental pharmacology and Experimental Medicine.* 2008; 7 (5), 459-465.
8. Y.S. Akshey, P. Palta, R.S. Manik, **Vivekanand**, M.S. Chouhan. Effect of removal of follicles through repeated transvaginal follicle aspiration on subsequent follicular populations in murrah buffalo (*Bubalis bubalis*). *Asian-australian Journal of Animal Science.* Vol. 18 No.5: 632.

Workshop/ Seminar/ symposium/ Paper Presentation:

1. Participated in European Macrophage and Dendritic Cells (EMDS) society in Tyrol, Innsbruck, **Austria**, 13-15 September 2007.

2. Paper presented in International Symposium on STEM CELLS: Premises and Promises for Research and Therapeutics, NIRRH, ICMR, **Mumbai** 18-21st September 2005

3. Paper presented in Symposium on Frontiers in Reproduction: Concepts and Application on genomic era and 16th Annual meeting of ISSRF 23-25 Feb 2006, NDRI, **karnal**, Haryana, India

4. Participated in Short training course on Latex, Center for Bioinformatics, School of Biotechnology, Banaras Hindu University, **Varanasi** 17-22 Jan 2005, India

5. Participated in National Seminar and Workshop on Bioinformatics and Computational Biology, Mahila Mahavidyalaya, Banaras Hindu University, Varanasi 22-24 March 2006, India

Membership of Scientific Bodies/Organizations

Indian Association of Cancer Research, **Mumbai**

Indian Immunology Society, **New Delhi**

Indian Society of Cell Biology, **Kolkatta**

Biotechnology Society of India, **New Delhi**

Technical Skills

1. Handling of animals and care of animals of veterinary and experimental importance.
2. *In vitro* fertilization (IVF) and somatic cell cloning.
3. Ultra sound guided ovum pick-up (OPU) and Embryo transfer technology.
4. Animal Cell Culture: Isolation, Culture and maintenance of Primary and Secondary cell cultures: Dendritic cells, Monocytes, Macrophages, Lymphocytes, Bone marrow cells, Bone marrow-derived macrophages and hematopoietic stem cells
5. Cytotoxicity, cell proliferation, phagocytosis, pinocytosis and antigen presentation assays.
6. *In vitro* differentiation of hematopoietic progenitor cells: Colony assays.
7. Bioassays for Reactive Oxygen and Nitrogen intermediates.

8. Analysis of macromolecules: SDS-PAGE, Western Blotting, RT-PCR and Real-time PCR.
9. Antigen-antibody interactions: ELISA and FACS.
10. Histology, Immunocytochemistry and confocal microscopy
11. Analysis of cell death (Apoptosis): DNA laddering, Percent Specific DNA Fragmentation, morphological analysis of apoptotic cells.
12. Assay related to *in vitro* and *in vivo* growth of tumor cells.
13. Processing and Screening of medicinal plants for anti-tumor and immunomodulatory action.
14. All Bioinformatics tools used in Molecular Biology.

Area of Research Interest:

1. Tumor Immunology and Immunotherapy
2. Cancer Cell Biology
3. Molecular Immunology
4. Developmental Biology
5. Molecular Biology

All the information provided above are true to the best of my knowledge and belief.

Date and Place: 7 /1/2009, Philadelphia

(Vivekanand Gupta)