

SCIENTIFIC ACHIEVEMENTS

AWARDS & HONOURS

1. **Dr. G. Sreenivas** awarded **INSA Young Scientist Award–2004** for his presentation titled '*Molecular studies in leishmaniasis*'.
2. **Dr. Arun Kumar Jain**, Assistant Director awarded **Hitachi Best Paper Award** for Poster Presentation in Life Science Category at XXVII Annual Conference of Electron Microscope Society of India in April 2004.
3. **Dr. Arun Kumar Jain**, Assistant Director awarded **INSA Visiting Scientist Fellowship** for visiting Division of Mass Spectrometry, DRDO, Gwalior .
4. **Dr. Sujala Kapur**, Assistant Director awarded **INSA Visiting Scientist Fellowship** at Department of Biochemistry, Indian Institute of Science, Bangalore in September 2004.
5. **Dr. Sujala Kapur**, Assistant Director awarded **WHO In-Country Fellowship** at Department of Anatomy, All India Institute of Medical sciences, New Delhi in November 2004.
6. **Dr. Lakshmana Yerneni**, Senior Research Officer awarded **WHO In-Country Fellowship** in 'Research Methodology' at National Institute of Cholera and Enteric Diseases, Kolkata in November 2004.
7. **Dr. Bharat Rekhi**, Research Associate received "Second prize in Breast Cancer quiz at APCON 2004".
8. **Dr. Abhilasha Agarwal** awarded the **Special Appreciation Award** for the Best Poster presentation on the paper titled, '*Flow cytometric analyses of Th1 and Th2 cytokine production as a parameter of immunological dysfunction in patients with superficial transitional cell carcinoma*' at 24th Annual Convention of Indian Association for Cancer Research & International Symposium on Human Papilloma virus and Cervical Cancer held at ICPO from 9th-12th Feb. 2005.

SCIENTISTS TRAINED ABROAD/CONFERENCE/WORKSHOP

1. **Dr. Poonam Salotra** visited Axon Center at Union City, California, USA for training in Microarray Analysis in Oct 2004.
2. **Dr. Poonam Salotra** presented work on "*Molecular studies in post Kala-azar dermal leishmaniasis*" in an International workshop on Leishmaniasis at Humboldt University, Berlin in July 2004.

PUBLICATIONS

1. **Rekhi B, Saxena S, Burra U.** Fine needle aspiration cytology of dermatofibrosarcoma protuberans. *J. Cytol.* 21(3): 156-158, 2004.
2. Chintamani C, Shankar M, Singhal V, Singh JP, **Saxena S.** Squamous cell carcinoma developing in the scar of fournier's gangrene-case report. *BMC Cancer*, 4:16, 2004.
3. Chintamani C, Singhal V, Singh J P, **Bansal A, Saxena S,** Lyall A. Is drug induced cytotoxicity a good predictor of response to new adjuvant chemotherapy in breast cancer? A prospective clinical study. *BMC Cancer*, 4(1): 48, 2004.
4. Mukherji A, Madholia V, Malhotra S, Singh P, **Rekhi B, Saxena S,** Aggarwal Y, Bhowmik KT. Multiple myeloma of the breast—An unusual case of multiple myeloma of the breast with pathological fractures of humerus and femur. *Jr. of Clinical Radiotherapy and Oncology*, 4(4): 27-30, 2004.
5. Chintamani C, Singhal V, Singh JP, **Bansal A, Saxena S.** Half versus full vacuum suction drainage after modified radical mastectomy for breast cancer-A prospective randomized clinical trial (ISRCT N24484328). *BMC Cancer*, 5:11, 2005.
6. Mohanti NK, **Saxena S,** Goyal NK, Singh VP, Arora RP. Delayed cystoectomy for T1G3 TCC of urinary bladder managed initially by TURBT and intravesical immunotherapy (BCG + Interferon) – Rationale and our results. *Indian Journal of Urology*, 20, 2, 2004
7. **Sriramachari S.** Heat hyperpyrexia : time to act (editorial). *Indian J Med Res.*, 119(6) : VII-X, 2004
8. **Sriramachari S.** The Bhopal gas tragedy : An environmental disaster. *Current Sciences*, 86 (7) : 905-20, 2004.
9. **Mittal A, Rastogi S,** Reddy BS, **Verma S,** Salhan S, **Gupta E.** Enhanced immunocompetent cells in chlamydial cervicitis. *J. Reprod. Med.*, 49 (8): 671-677, 2004.
10. **Vats V, Rastogi S, Kumar A,** Ahmed M, Singh V, **Mittal A,** Jain RK, Singh J. Detection of *Chlamydia trachomatis* by polymerase chain reaction in nongonococcal urethritis male patients attending STD clinic. *Sex. Transm. Infect.* 80: 327-328, 2004.
11. **Reddy BS, Rastogi S,** Das B, Salhan S, **Verma S, Mittal A.** Cytokine expression pattern in the genital tract of *Chlamydia trachomatis* positive infertile

- women--implication for T-cell responses. *Clin. Exp. Immunol.*, 137 (3): 552-558, 2004.
12. **Kapur S**, Tiemann M, Menke AOH, Schubert C, Parwaresh R. The role of p53 and anaplastic lymphoma kinase genes in the progression n of cutaneous CD30+ lymphoproliferative diseases. *Ind. J. Med. Res.*, 121, 46-54, 2005.
 13. Selvapandiyan A, Debrabant A, Duncan R, Muller J, **Salotra P**, **Sreenivas G**, Salisbury JL, Nakhasi HL. Centrin gene disruption impairs stage-specific basal body duplication and cell cycle progression in *Leishmania*. *J. Biol. Chem.*, 279:25703-25710, 2004.
 14. **Sreenivas G**, **Nasim AA**, Joginder K, **Salotra P**. Nested-PCR assay for detection of *Leishmania donovani* in slit aspirates from post kala-azar dermal leishmaniasis lesions. *J. Clin. Microbiol.*, 42: 1777-1778, 2004.
 15. **Sreenivas G**, **Subba Raju BV**, **Singh R**, Selvapandiyan A, Duncan R, Sarkar D, Nakhasi HL, **Salotra P**. DNA polymorphism assay distinguishes isolates of *Leishmania donovani* that cause Kala-azar from those that cause Post kala-azar dermal leishmaniasis. *J. Clin. Microbiol.*, 42: 1739-1741, 2004.
 16. Khandpur S, Ramam M, Sharma VK, **Salotra P**, Singh MK, Malhotra A. Nerve involvement in Indian Post-Kala-azar dermal leishmaniasis. *Acta Derm. Venereol.*, 84: 1-3, 2004.
 17. **Sreenivas G**, **Singh R**, Selvapandiyan A, Negi NS, Hira L Nakhasi, **Salotra P**. Arbitrary-primed PCR for genomic fingerprinting and identification of differentially regulated genes in Indian isolates of *Leishmania donovani*. *Exp. Parasitol.*, 106:110-118, 2004.
 19. Duncan R, **Salotra P**, Goyal N, Akopyants N, Beverley SM, Nakhasi HL. The application of gene expression microarray technology to kinetoplastid research. *Curr. Mol. Med.*, 4:611-621, 2004.
 20. Selvapandiyan A, Stabler K, **Ansari NA**, Kerby S, Reimnschneider J, **Salotra P**, Duncan R, Nakhasi Hl. A novel semiquantitative fluorescence based multiplex PCR assay for rapid simultaneous detection of bacteria and parasitic pathogens from blood. *J. Mol. Diag.* 2005.(In Press)
 21. Maurya R., Singh R.K., Kumar B, **Salotra P**, Sundar S. Evaluation of PCR for diagnosis of Indian kala azar and assessment of cure. *J.Clin. Microbiol.*2005. (In press).
 20. Agarwal B K, **Burra U**. Communication skills should be second nature. *PMJ Online*, 80(950) : 711-950, 2005.

21. Kashayap V, **Verma S**. Flow cytometric DNA analysis and cytological diagnosis of pleural effusions. *Ind. J. Cytology*, 21(3), 120-123, 2004.
22. **Singh AP**, Sharma KC. Recent advances in molecular genetics of gliomas. *Neurosciences Today*, 8(2): 60-63, 2004.
23. Kaur J, **Singh AP**. Polyunsaturated fatty acids and colon cancer prevention: An overview with special reference to fish oils. *Gastroenterology Today*, 8(4): 174-76, 2004.
24. **Ranvir Singh** and Rosamma Thomas. A comparative Evaluation of prevalence of HTLV-1 antibodies in blood donors in Delhi, India by PAT and LIA method. *J. Commun. Dis.*, 35(4):263, 2003.
25. **Rekhi B**, Chintamani C, **Saxena S**. Gastric outlet obstruction and cutaneous metastasis in adenocarcinoid tumor of stomach- Unusual presentations with cytologic and ultrastructural findings. *Indian Journal of Cancer* (Accepted).
26. **Murthy NS**, Chaudhary K, **Saxena S**. Trends in incidence of cervical cancer— Indian scenario. *European Journal of Cancer Prevention* (Accepted).
27. **Kapur S**, Ahmed M, Singh V, Guido K, **Mittal A**, Salhan S. Fluorescent *in situ* hybridization can reliably detect rRNA sequences of *Chlamydia trachomatis* without amplification. *Acta Cytol* (Accepted).
28. **Rekhi B**, **Bansal A**, Bhatnagar D, Bhatnagar A, **Saxena S**. Cytomorphology of soft tissue tumors-Role of fluorescent microscopy in diagnosis of soft tissue tumors on aspirates. *Cytopathology* (In press).
29. **Ghai R**, **Rekhi B**, **Saxena S**, **Kapur S**. An unusual presentation of primary lymphoma of the thyroid in a young male patient— A case report. *I.J.P.M.* (In Press).
30. Tripathi M, **Burra U**, Minocha B, **Saxena S**. 'Tubal hydatidosis – A case report'. *Obs. & Gynae. Today* (In press).
31. **Aggarwal A**, **Verma S**, **Burra U**, **Murthy NS**, **Saxena S**. Flow cytometric analysis of Th1 and Th2 cytokines in PBMC's as a parameter of immunologic dysfunction in patients of superficial TCC of bladder. *Cancer Immunology and Immunotherapy* (Accepted).

Papers published in Proceedings

1. **Mittal A, Rastogi S, Kumar A, Singh V, Das B, Salhan S.** Immunomolecular studies for diagnosis of genital chlamydial infection in women. Proceedings of 5th Annual Symposium on *Frontiers in Biomedical Research*, ACBR-DU, New Delhi, 2004.
2. **Rastogi S, Jayaraman S, Kapur S, Kumar A, Mittal A.** Mouse model of chlamydial salpingitis. Proceedings of XXVIII National Congress of Indian Association of Medical Microbiologists, SGPGIMS, Lucknow, 2004.
3. **Kumar A, Salhan S and Mittal A.** Growth kinetics of *Chlamydia trachomatis* in McCoy cells culture. Proceedings of XXVIII National Congress of Indian Association of Medical Microbiologists, SGPGIMS, Lucknow, 2004.
4. **Vats V, Rastogi S, Singh J and Mittal A.** *Chlamydia trachomatis* infection in non-gonococcal urethritis male patients attending STD clinic. Proceedings of XXVIII National Congress of Indian Association of Medical Microbiologists, SGPGIMS, Lucknow, 2004.
5. **Gupta R, Jha R, Mittal A.** Is *Chlamydia trachomatis* plasmid indispensable for its survival? Proceedings of International Conference of Chemistry Biology Interface: Synergistic New Frontiers, CBI SNF, 2004.
6. **Kapur S, Bhushan B, Ghai R, Ahuja D, Mehndiratta PC.** Prevalence of T-cell phenotype in lymphoid malignancies. Proceedings of the 19th Annual Conference of Pathologists and Microbiologists, Delhi Chapter, 2004.
7. **Ghai R, Kapur S, Gupta K, Gupta HO.** Expression of apoptotic-related proteins in non-Hodgkin's lymphoma. Proceedings of the 53rd Annual Conference of Pathologists and Microbiologists, AFMC, Pune, 2004.
8. **Saluja S, Ghai R, Sharma M, Bhasin S, Gupta DK, Kataria S, Kapur S.** Apoptotic & proliferative related gene expression in non-Hodgkin's lymphoma. Proceedings of the 24th Annual Convention of Indian Association of Cancer Research, Institute of Cytology and Preventive Oncology, Noida, 2005.
9. **Agarwal A, Verma S, Burra U, Murthy NS, Mohanty NK, Saxena S.** Flow cytometric analyses of TH1 and TH2 cytokine production as a parameter of immunological dysfunction in patients with superficial transitional cell carcinoma. Proceedings of the 24th Annual Convention of Indian Association of Cancer Research, Institute of Cytology and Preventive Oncology, Noida, 2005.
10. **Rastogi S, Jayaraman S, Kapur S, Kumar A, Mittal A.** Mouse model of chlamydial salpingitis. Proceedings of XXVIII, National Congress of IAMM, SGPGIMS, Lucknow, 2004.

11. **Saxena S.** Early onset breast cancer and genetic susceptibility in Indian women. Proceedings of Annual Convention of Indian Association for Cancer Research (IACR) & International Symposium on Human Papillomavirus and Cervical Cancer at ICPO, Noida from 9th to 12th February 2005.
12. **Salotra P.** Advances in diagnostic approaches for leishmaniasis. In Proc. of Asian Regional Workshop on Intracellular Pathogens, March 2005, p44.
13. **Ansari NA, Ramesh V, Salotra P.** Charecteriation of localized immune response in Indian kala azar and post kala azar dermal leishmaniasis. In Proc. of Asian regional workshop on intracellular pathogens, March 2005, p63.