

Academic Activities

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Creation of Academic Cell

ICPO has created an **Academic Cell** in the year 2005 to consider the selection of candidates for Ph.D. thesis, M.Sc. project work, Summer Training and other aspects related to the academic activities of the Institute. Till date, the Academic cell has received over 250 application for M.Sc. project and summer trainings, about 100 application for Ph.D. registration and 10 for M.D. thesis. The students are selected on the basis of merit and availability of position with the ICPO scientists.

Following academic activities were performed during the period of report:

Suresh Hedau, “Molecular studies on the BRCA1 gene in breast cancer”, Jamia Millia Islamia, New Delhi (2003).

Samar Husain Naqvi, “Molecular Analysis of Dysplasia of Human Uterine Cervix”, Aligarh Muslim University, Aligarh (2003).

Shahid M, “Cytogenic and molecular Genetic studies in female infertile patients”, Department of Biosciences, Jamia Millia Islamia, New Delhi” (2003).

Uma Kailash, “Study of telomerase expression during development of cancer of the uterine cervix in women”, Jawaharlal Nehru Technological University, Hyderabad (2004).

Neeraj Devendra Jain, “Molecular studies on the BRCA2 gene in breast cancer”, Jamia Millia Islamia, New Delhi (2005).

Ms. Nishat Jilani, “Role of hepatitis E virus (HEV) infection in acute and fulminant hepatitis during pregnancy”, Jamia Millia Islamia, New Delhi (2004).

Saima Wajid, “Molecular analysis of Cancer of Uterine Cervix”, Aligarh Muslim University, Aligarh (2005).

Ms. Saroj Kumar, “A developmental study of behavioural problems among children”, Ch. Charan Singh University, Meerut (2005).

Bhupesh K. Prusty, “Cellular Control of Human Papillomavirus Gene Activity”, Jamia Millia Islamia, New Delhi (2005).

Alok Mishra, “Transcription control of Human Papillomavirus (HPV) oncogene expression in Oral Cancer”, Delhi University, Delhi.

Saket Chattapadhyay, “Study of Hepatitis B virus (HBV) Genotypes and their clinical significance in patients with HBV-related liver diseases”, Delhi University, Delhi.

Priyanka Verma, “Role of oxidative stress and cellular transcription factor AP-1 in pre and post operative cases of breast carcinoma”, Delhi University, Delhi.

Mahammad Raish, “Molecular Analysis of FHIT & p16 Gene and their associated with Human Papillomavirus (HPV) in Indian and Neck Carcinoma patients”, Jamia Millia Islamia, New Delhi.

Ph.D. Completed

Ph.D. Registered

- Arif Ahmad**, “Molecular Studies of p16 Gene in Indian Cervical Cancer Patients”, Jamia Millia Islamia, New Delhi.
- Indu Kohaar**, “Role of Cytokine Genes in Relation to HPV Infection in Cancer”, Delhi University, New Delhi.
- Md. Kausar Neyaz**, “Mutation and Expression Studies of FHIT gene in Cervical Cancer cases”, Jamia Millia Islamia, New Delhi.

M.D. Thesis Awarded

- Dr. Pooja Kataria**, Department of Otorhinolaryngology, Maulana Azad Medical College and Associated Lok Nayak Hospital, New Delhi. “A clinicoepidemiological study on the prevalence of human papillomavirus (HPV) in carcinoma of larynx and laryngopharynx”, Delhi University, Delhi (2004).
- Dr. Ruchika Gupta**, Department of Pathology, Maulana Azad Medical College, New Delhi. “Spindle cell carcinoma of head & neck: A study of immunohistochemical and molecular changes”, Delhi University, Delhi (2004).
- Dr. Gitika Khandpur**, Department of Microbiology, Maulana Azad Medical College, New Delhi. “Antimicrobial susceptibility and plasmid profile of *Haemophilus ducreyi*”, Delhi University, Delhi (2004).
- Dr. Ajay Kumar Singh**, Department of Medicine, Maulana Azad Medical College, New Delhi. “Expression of nuclear factor kappa B (NF- κ B) fulminant hepatitis and its clinical significance”, Delhi University, Delhi (2004).
- Dr. Madhu Batra**, PG M.D. Department of Pathology UCMS and GB Hospital Shahdara, Delhi. “Aberrant promoter methylation of BRCA1 gene in carcinoma breast cancer its clinico-morphological profile”, Delhi University, Delhi (2004).
- Dr. Neha Gami**, Department of Obstetrics & Gynaecology, Maulana Azad Medical College and associated Lok Nayak, G.B. Pant and G.N.E.C. Hospital, New Delhi. “Visual inspection of the cervix with acetic acid (via) and testing for human papillomavirus (HPV) infection to screen for premalignant and malignant lesions of the cervix”, Delhi University, Delhi (2004).
- Dr. Jameel Muzaffar**, Department of Medicine, Maulana Azad Medical College and Associated, Lok Nayak Jai Prakash Hospital, G.B. Pant Hospital and G.N.E.C. Hospital, New Delhi. “Genomic sequence analysis of HEV isolated sporadic acute viral hepatitis & fulminant hepatitis and their clinical significance”, Delhi University, Delhi (2005).
- Dr. Madhumita Barua**, Department of Microbiology, University College of Medical Sciences & G.T.B. Hospital, Delhi. “Characterization, antibiotic susceptibility pattern and plasmid profile of enterococcus isolated from clinical isolates”, Delhi University, Delhi (2005).
- Dr. Sailesh Kumar**, Department of Surgery, Maulana Azad Medical College Campus, Bahadur Shah Zafar Marg, New Delhi. “Immunohistochemical analysis of BRCA1 and BRCA2 protein in sporadic breast cancer”, Delhi University, Delhi (2005).

Dr. Amita Gupta, (DNB thesis), DGO, Department of Gynae and Obstetrics, Lok Nayak Hospital, New Delhi, “Prevalence of HPV infection in male partners of women with cervical cancer”, National Board of Examination, New Delhi (2004).

Dr. Brijesh (DM thesis), Department of Medical Oncology, IRCH, New Delhi “Telomerase activity and mRNA expression in acute lymphoid leukemia” AIIMS, New Delhi (2004).

MS student of Department of Surgery, Lady Harding Medical College, New Delhi “Role of ductal lavage in breast cancer diagnosis”, Delhi University, Delhi (2004).

DNB student of University College of Medical Sciences, Delhi “A comparative study of histological and cytological grading and association of HPV in urinary bladder carcinoma”, Delhi University, Delhi (2004).

Dr. Virender, Department of Surgery, Maulana Azad medical College, New Delhi. “Hyper methylation of *BRCA1*, *HIC1*, *CDH1* genes in sporadic breast cancer”.

Dr. Montish Singla, Department of Medicine, Maulana Azad Medical College, New Delhi. “Role of human-Hepatocyte Growth Factor (h-HGF) expression in determining the clinical outcome in patients of fulminant hepatic failure”.

Dr. Akansha, Department of Medicine, Maulana Azad Medical College, New Delhi. “To study Molecular Epidemiology of HBV Carrier”.

Dr. Joy Basu, Department of Microbiology, University College of Medical Sciences, Delhi.

Dr. Shashideep, Department of Surgery, Maulana Azad Medical College, New Delhi.

Usha Prabhakar, “Prevalence and pattern of non-medical drug use by school students – A study with particular reference to Delhi”, Madurai Kamraj University, Madurai (2005).

Dr. Shailja Pande, DST sponsored Women Scientist (2003–2006).

Dr. Sumita, CSIR Pool Scientist (2003–2006).

Dr. Geetanjali, CSIR Pool Scientist, ENT Department, RML Hospital, New Delhi (2002–2005).

Sherin Raja, “Role of NFκB in cervical cancer”, Department of Biosciences, Jamia Millia Islamia, New Delhi (2003).

Preethi R, “Analysis of HPV 16 variants prevalent in women with cancer of the uterine cervix”, Department of Biotechnology, J.T. College, Pudukuttai (2003).

Shashi Kant, “Role of NFκB in breast cancer”, Department of Zoology, H.N.B. Gharwal University, Srinagar, Uttaranchal (2003).

Shailja, “*In-situ* Expression Profile of Activator Protein-1 (AP-1) in Oral Cancer Patients”, Department of Biotechnology, Madras University, Chennai (2004).

**M.S./D.M./D.N.B.
Thesis Awarded**

M.D. Thesis in Progress

M.Phil. Completed

Special Project Scientists

M.Sc. Dissertation

- Nidhi Khanna**, “Rapid Detection of HPV by “Paper Smear” Method and Multiplex PCR in Cervical Cancer”, Department of Biotechnology, C.C.S. University, Modinagar Uttar Pradesh (2004).
- Prachi Saxena**, “Expression of BRCA1 and BRCA2 Proteins in Breast Cancer Patients”, Department of Biochemistry, Bundelkhand University, Jhansi, Uttar Pradesh (2004).
- Neema Goel**, “Detection and Characterization of BRCA2 Gene Mutation in Familial Breast Cancer Patients, “Detection and Characterization of BRCA2 Gene Mutation in Familial Breast Cancer Patients”, Department of Biochemistry, Central JALMA Institute of Leprosy, Agra (2004).
- Sandeep Kumar Mishra**, “Methylation Pattern of FHIT gene in Cervical Cancer”. Department of Biotechnology, Bundelkhand University, Jhansi, Uttar Pradesh (2004).
- Anu Tripathi**, “Methylation Pattern of RASSF1A gene in Cervical Cancer”. Department of Biotechnology, Bundelkhand University, Jhansi, Uttar Pradesh (2004).
- Abhishek Tyagi**, “*In-vivo* expression of NF- κ B in cervical cancer”, Department of Biotechnology, C.C.S. University, Modinagar, Uttar Pradesh (2004).
- Rashmi Singhai**, “Effect of Phyllanthus Amarus on HPV and AP-1 Activity”, Department of Microbiology, Department of Postgraduate Studies and Research in Bio-Sciences Rani Durgawati Univeristy, Jabalpur, Madhya Pradesh (2005).
- Vishal Gupta**, “Human Papillomavirus Infection and p53 codon 72 polymorphism in oesophageal cancer”, Sagar University, Madhya Pradesh (2005).
- Umesh Kumar**, “Human Papillomavirus Infection and p53 codon 72 polymorphism in ovarian cancer” C.C.S. University, Modinagar, Uttar Pradesh (2005).
- Meera Kumari**, “Expressional Analysis of AP-1 Members in Oral Cancer Tissue”, Department of Biotechnology, Utkal University, Bhubaneswar, Orissa (2005).
- Prerana Singh**, “Detection of HPV DNA in breast cancer”, Uttaranchal Garwal University, Uttaranchal (2005).
- Ankur Saikia**, “Methylation Pattern of RASSF1A gene from DNA of Peripheral Blood Lymphocytes”. Department of Molecular Biology & Biotechnology, Tezpur University, Assam (2005).
- Pratibha Tiwari**, “Analysis of TNF α Gene Promoter Polymorphisms in Healthy North Indian (Delhi) Population”. Department of Biochemistry, Devi Ahalya University, Indore, Madhya Pradesh (2005).
- Prem Shanker**, “Mutational analysis of β -catenin gene in Cervical Cancer”. Department of Biotechnology, Bundelkhand University, Jhansi, Uttar Pradesh (2005).

Summer Trainees

Indian Science Academy Bangalore – Summer Fellows

- Ashok Kumar** M.Sc. (Biomedical Genetics), PGI Basic Medical Science, Taramani, Chennai (2003).
- Purabi Deka** M.Sc. (Biotechnology), Gauhati University, Assam (2003).
- Triparna Sen** M.Sc (Genetics), “Spectrum of p53 gene mutation in some of the highly prevalent human cancers in India”, University of Calcutta, Kolkata (2004).
- Sarika Sinha** Ph.D. (Chemistry), Allahabad University, Allahabad (2004).

Archana Bairwasundram B.Tech. Biotechnology “Analysis of Expression of AP-1 Family of Proteins in Breast Cancer by Immunohistochemistry”, University of Madras, Chennai (2005).

Aswathy Raveendran M.Sc. (Biotechnology), “Analysis of NF- κ B and I κ B expression in Human Papillomavirus (HPV) infected cervical cancer tissue”, Department of Biotechnology, Cochin University of Science and Technology, Kerala (2005).

Others Summer Trainees

Shank Sharma B.Tech., Allahabad Agricultural University, Allahabad, Uttar Pradesh (2004).

Ayushman Gupta B.Tech., Allahabad Agricultural University, Allahabad, Uttar Pradesh (2004).

Anup Kumar Chakraborty B.Sc. Hons. (Biotechnology) Amity Institute of Biotechnology, Noida, Uttar Pradesh (2005).

Rachna Nagar M.Sc. (Molecular & Human Genetics), Banaras Hindu University, Varanasi, Uttar Pradesh (2005).

Kaushiki Goyal M.Sc. (Biomedical Technology), Gujarat University, Ahmedabad, Gujarat (2005).

Vinti Bagga M.Sc. (Zoology), Dr. B.R. Ambedkar University (2005).

Anshuk Sarkar B.Sc. (Hons.) Biochemistry, Deshbandhu College, University of Delhi (2005).

Gunjan Julaha M.Sc. (Marine Biotechnology), Goa University (2005).

Urmila Sharma M.Sc. (Biotechnology), CCS University, Meerut (2005).

Anjani Sharma B.Tech. (Biotechnology), CET-IILM, Greater Noida (2005).

Subhash Singh M.Sc. (Biotechnology), Chaudhury Charan Singh University, Meerut (2005).

Neelam Joshi B.Tech. (Biotechnology), Amity Institute of Biotechnology, Noida (2005).

Navdeep Kaur M.Sc., National Centre for Human Genome studies and Research, Punjab University (2005).

Salil Jamwal M.Sc., National Centre for Human Genome studies and Research, Punjab University (2005).

Aman Wasan M.Sc., National Centre for Human Genome studies and Research, Punjab University (2005).

Dr. Mohamad Sahid, Department of Bioscience, Jamia Millia Islamia, New Delhi (2003).

Dr. Manish K. Jha, MBBS, Maulana Azad Medical College, New Delhi (2003).

Dr. Shukla Das, Department of Microbiology, UCMS and GTB Hospital, Delhi (2005).

Sheetal Thakur, RKDF Homoeopathic Medical College and Hospital, Misrod, Bhopal (2005).

In-service Training

Conferences/Symposia/Workshops/ Lectures Organized



Pre-Conference press briefing by Prof. N.K. Ganguly, DG, ICMR and Dr. B.C. Das, Director, ICPO



Prof. Ganguly alongwith Dr. Das reviewing the arrangement during the meeting



Conference being inaugurated by Dr. Altaf A. Lal, Health Attache and HHS Embassy of the United States of America, New Delhi



Dr. Lal being accompanied by Dr. Das while visiting the Exhibition “Technology Against Cancer – 2005”

A. 24th Annual Convention of Indian Association for Cancer Research & International Symposium on “Human Papillomavirus and Cervical Cancer” (February 9–12, 2005)

24th Annual Convention of Indian Association for Cancer Research (IACR) and an International Symposium on “**Human Papillomavirus and Cervical Cancer**” was held at Noida from February 9–12, 2005. The event was organized by Institute of Cytology and Preventive Oncology (ICPO), under the leadership of **Bhudev C. Das**. The event was jointly sponsored by Indian Council of Medical Research, International Union Against Cancer (UICC), Department of Biotechnology, Council for Scientific and Industrial Research, GlaxoSmithKline, and Digene Corp. This convention was one of the Association’s most successful meetings attended by more than 50 international and 100 national experts including 400 delegates comprising basic scientists, clinicians and students. Cervical cancer being the major cancer in Indian women, the Symposium was designed to focus mainly on cervical cancer and its principal causative agent Human Papillomavirus (HPV) and possible vaccines against it, while IACR Convention covered all aspects of major human cancers. The main objectives of this conference were to emphasize early detection, clinical cancer research, new pharmacological interventions, use of genomics and proteomics in cancer diagnosis, prevention and therapy, and better management of cancer. In conjunction to the meeting, an exhibition “**Technology Against Cancer–2005**” was also organised. The conference and the exhibition were inaugurated by Dr. Altaf A. Lal, Health Attache and HHS Embassy of the United States of America, New Delhi.

The four day meeting included carefully designed 20 scientific sessions on various aspects of cancer research of which 6 plenary sessions were dedicated to “**HPV and Cervical Cancer**”. The highlights of this meeting included sessions on molecular epidemiology, molecular mechanisms of cervical carcinogenesis, bioinformatics, HPV vaccine and a special session of panel discussion on early detection of cervical cancer reflecting current status and future direction in its prevention. The session on **HPV Vaccine** for the control of cervical cancer was contributed by the invited keynote speakers from all major international groups working on HPV vaccine e.g. **John T. Schiller**, NCI; **Elaine Esber**, Merck; **Mark van Asten**, Digene; **John W.**



National and international delegates attending the scientific session during the Conference

Sellors, PATH; **David Jenkins**, GSK; **Sonia Pagliusi**, WHO; **Saleem Khan**, Univ of Pittsburgh; **Keerti V Shah**, John Hopkins, **VVVS Murty**, Columbia Univ; **R. Sankernarayanan**, IARC; **Harald zur Hausen**, **EM deVilliers**, **Frank W Rosl**, DKFZ, & **M K Doeberitz**, University of Heilelberg; **Matti Hakama**, Finland; **David Pim**, ICGEB Trieste; **Ian Frazer** & **Jeffrey Tan**, Australia including all key investigators working on HPV and cervical cancer in India, namely **Usha K. Luthra**, **A. Nandakumar**, **Sudhir Krishna**, **Partha Basu**, **K. Somasundaram**, **Radhakrishna Pillai**, **Hemant Tongaonkar**, and **Robin Mukhopadhyay** besides the faculties from ICPO.

Each day began with a series of plenary lectures involving a panel of expert speakers, who presented their new original research data and shared their views on different aspects of cancer. In addition, four Poster Sessions, one on each day of the meeting and 5 special public lectures by veterans like, **Harald zur Hausen**, **Inder Verma**, **Indraneel Mitra**, and **K. A. Dinshaw** were delivered. An oration on oral cancer was delivered by IACR President **D. Saranath**.

There were 45 plenary lectures and 19 Invited Oral Presentations by renowned experts from India and abroad. To encourage the young participants, 23 outstanding abstracts were selected for Delegate Oral Presentations. In total, more than 250 presentations were made. To encourage young students and scientists, Conference Secretariat announced 12 “**Special Appreciation Awards for Best Posters**”. All the poster presentations were evaluated by a panel of three international experts. In addition, IACR also awarded 3 young scientists for their excellent contribution. The awards were presented by Prof. **Harald zur Hausen** in the concluding session.

The excellent presentations by the participants, both scientists and students made the meeting a grand success. The event was well covered by national and international media.

Recommendations of the Conference

- To develop protocols for early detection and the better management of most prevalent cancers in India such as cervical, breast and oral cancer.
- HPV vaccines, particularly economically viable, indigenous vaccine should be developed but till that time the already developed vaccines may be employed for clinical trial in India. An action plan be initiated for the execution of these recommendations.
- Mass-scale molecular epidemiological screening program should be taken up to create baseline data in India.
- To examine the feasibility of using HPV-DNA test as diagnostic procedure with or without Pap test for early detection of cervical cancer.
- Development of herbal anticancer drugs such as curcumin that are pharmacologically safe to administer and economically viable for developing countries should be undertaken.
- To identify additional reliable molecular markers using modern biological approaches and high throughput technology for detection of cancer at an early stage.



Prof. Inder Verma being greeted by the Organizing Committee members and delegates prior to his Public Lecture



Prof. Ganguly, Dr. Das, Prof. Usha Luthra, Chairman and former Addl. DG and acting director of ICPO, interacting with Prof. zur Hausen, Prof. de Villiers, Dr. Roehl and Dr. Mulherker during the Lunch hour



Dr. John Sellors interacting with Prof. Luthra during Tea break



Prof. zur Hausen visiting poster session and interacting with young scientists and students



Prof. J.K. Roy from Banaras Hindu University, Varanasi, delivering his invited lecture



Prof. Jagannathan from AIIMS, New Delhi, delivering Science Day Lecture on MRI

B. Invited Lecture on Drosophila Developmental Genetics by Prof. N.R. Jagannathan, Head, Department of MRI, AIIMS, New Delhi, 22nd February 2005

C. National Science Day Lecture on “The Role of Magnetic Resonance Imaging and spectroscopy in Oncology” by Prof. N.R. Jagannathan, Head, Department of MRI, AIIMS, New Delhi, 23rd March 2005. (Convener – Dr. M.A. Khan)

During introduction, he elaborated how principles of physics and chemistry have contributed towards understanding of biology of living system including human and human disease. Starting from simple microscope to millions of sophisticated biomedical equipment and devices have been developed for human welfare. Majority of them have been employed in diagnosis and treatment of human diseases. The talk was mainly focused on MR spectroscopy of breast carcinoma as it is the second most common cancer among women in India after cervical cancer. Reliable and sensitive diagnostic techniques are becoming mandatory for early diagnosis, treatment and improved survival. Screening procedures such as clinical breast examination, ultrasound, and mammography are often limited by sensitivity and specificity.

He stressed that magnetic resonance imaging (MRI) is the most useful noninvasive valuable tool that provides high resolution, real-time morphologic picture and superior soft tissue contrast for doing diagnostic mammography. Combined with in-vivo magnetic resonance spectroscopy (MRS), collectively called as functional MRI offers an attractive alternative to monitor tissue architecture and its biochemical/metabolic changes. He also showed how effectively this technique could be employed for imaging of various other cancers including glial tumor, brain tumor etc to a very high degree of accuracy. The lecture was highly appreciated by the scientific and other staff of ICPO and was very useful for general awareness and the future research work.

Conferences Attended and Papers Presented

- Organizing secretary of 24th Annual Convention of Indian Association for Cancer Research (IACR) and International Symposium on HPV and Cervical Cancer organized at ICPO (ICMR), NOIDA, Feb 9–12, 2005
- 18th Annual IAPM conference, MAMC, New Delhi, Paper presented: Unusual lesions encountered on cervical cytology, April 2003.
- 33rd Annual IAC conference, AFMC, Pune, Paper presented: Eliminating ASCUS diagnosis- impact on patient outcome, Nov. 2003.
- Attended 34th Annual Scientific and Business Meeting of Australian Society of Cytology held at Brisbane, Australia, Paper presented: eliminating the diagnosis of “Atypical squamous cells of undetermined significance”—its impact on patient outcome, 15th–18th Oct 2004.
- Attended 34th Annual Conference of Indian Academy of Cytologists held at Bhopal, Paper presented: Sensitivity of Pap test to detect high grade lesions of uterine cervix: what should be the acceptable cytology threshold for colposcopic referrals in resource limited settings”, 18th–19th Dec, 2004.
- Attended Conference on “Recent advances in Laboratory Medicine”—a Royal college of Pathologists’ update at Apollo Hospital, Delhi, 17th–21st Jan 2005
- Attended 24th annual convention of Indian Association of Cancer Research and International symposium on “Human Papillomavirus and Cervical Cancer”, at Institute of Cytology & Preventive Oncology, Noida, Feb 9–12.
- 18th Annual IAPM conference, MAMC, New Delhi, Paper presented: Rehydration of cervical smears: a feasible alternative to conventional wet fixation, April 2003.
- 33rd Annual IAC conference, AFMC, Pune, Paper presented: Role of Ductal Lavage cytology in diagnosis of breast cancer, Nov. 2003.
- Attended Conference on “Recent advances in Laboratory Medicine”— a Royal college of Pathologists’ update at Apollo Hospital, Delhi, 17th–21st Jan 2005
- Attended 24th Annual Convention of Indian Association of Cancer Research and International symposium on “Human Papillomavirus and Cervical Cancer”, at Institute of Cytology & Preventive Oncology, Noida Presented a paper “Cytohormonal and cytomorphological alterations in cervical smears of post menopausal women on hormone replacement therapy—a preliminary study”, Feb 9–12.

Dr B.C. Das

Dr. P. Sodhani

Dr. Sanjay Gupta

Dr. M.A. Khan

- Organised a lecture on the National Technology Day on 20th May, 2004 at ICPO.
- Chaired a Session of 16th Annual Convention of Sports Psychology Association of India (SPAI) and National Seminar on Sports Psychology: Current status and future prospects in the Department of Psychology, Ch.Charan Singh University, Meerut, 27–29th December, 2003.
- Participated and presented a paper on “Psycho-social intervention and counseling Services in Oncology” in the Third National Conference—Association for Psychological Counseling (APC) at National P.G.College (Lucknow University), Lucknow, 5–6 December, 2004.
- Participated and presented research paper on Psycho-behavioural implications of RTI's/STD's including HIV amongst the patients of Delhi in Section of Anthropological and Behavioural Sciences during the 92nd Indian Science Congress, Ahmedabad, January 5, 2005.
- Participated and presented a paper on Psycho-social and Behavioural disorders in patients with Reproductive Tract Infection in the 24th Annual Convention of Indian Association for Cancer Research (ICAR) and International Symposium on HPV and Cervical Cancer, ICPO, Noida, 9–12 February, 2005.

Dr. Mausumi Bharadwaj

- Treasurer of 24th Annual Convention of Indian Association for Cancer Research (IACR) and International Symposium on HPV and Cervical Cancer organized at ICPO, Noida, Feb 9–12, 2005.

Dr. Veena Kashyap

- Attended Annual Convention of Indian Academy of Cytologists at Bhopal and presented a paper on Cytological peculiarities of HPV infection and its DNA type, Nov. 2004.
- Attended and presented papers on Annual Convention of Indian Association of Cancer Research at ICPO, Noida, in February 2005.

Dr. Alok C. Bharti

- 12th International Congress of Immunology and 4th Annual Conference of FOCIS, at Montreal, Canada July 2004.
- Attended INSA-CSIR Symposium on “Modern Scientific Approachs to Traditional Healing” at INSA, New Delhi, November 2, 2004.
- Joint Secretary of 24th Annual Convention of Indian Association for Cancer Research (IACR) and International Symposium on HPV and Cervical Cancer organized at ICPO (ICMR), Noida, Feb 9–12, 2005.

ICPO Faculties Invited

- Invited lecture on “Fifty Years of DNA” at National Institute Research in Medical Statistics (ICMR), New Delhi, April, 2003.
 - Invited lecture on “Genes, Genetics and Cancer” in Workshop for Biology Teachers of Public Schools, Army Public Schools, Sector 37, Noida, April 2004.
 - Invited lecture on “HPV and Cervical Cancer”, Institute Rotary Cancer Hospital, AIIMS, New Delhi September 2004
 - Expert Member – Technical Workshop – International Collaborative Studies on HPV reagents for Laboratory Diagnostic procedures, WHO/ HQ, Geneva, September 24-25, 2003.
 - Invited lecture on “Cellular Control of Human Papillomavirus Gene Activity”, IACR Oration Lecture, 23rd Annual Convention of Indian Association for Cancer Research, ACTREC, Mumbai, January 29-31, 2004.
 - Invited lecture on “Cellular and Molecular Diagnosis in Human Health & Disease” Vysis-Sponsored Fluorescence in-situ Hybridization Workshop, Human Genetics Centre, IPTL, Whitefield, Bangalore, February 1-3, 2004.
 - Invited lecture on “Selective suppression of HPV Transcription and AP-1 activity in HeLa cell by curcumin”, International Workshop on Cervical Cancer, National Centre for Biological Sciences, Bangalore, November 8-9, 2004.
 - Invited lecture on “Transcriptional control of Human Papillomavirus Oncogene expression by Antioxidants”, 28th All India Cell Biology Conference and Symposium on Genome Biology, Chandigarh, December 3-6, 2004.
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- Participated as a faculty member in ‘Advanced level training course for Lab Technicians’ conducted by Institute of Pathology, Delhi Government under the auspices of Ministry of Health & Family Welfare, Govt of India and WHO; 6th Sept to 5th Oct, 2004
 - Served as a faculty member in “ Training course for Pathologists” conducted by Institute of Pathology, Delhi, under the auspices of Ministry of Health & Family Welfare, Govt of India and WHO; 29th Dec to 28th Jan, 2004.
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- Invited lecture on “Qualities and skills of counselors” in the Training for Trainers in Counseling course at Delhi AIDS Control Society, Delhi, 17th Feb, 2004.
 - Lectures on Medical Sociology & Research project work for 3rd year B.Sc.(Hons.) Nursing Students of Ahilya Bai College of Nursing for the Academic Session 2004–2005, 24 July, 2004.
 - Lecture on “Clinical Psychology & Sociology” for Bachelor of Physiotherapy students, BLS University, Ghaziabad, 20-22nd October, 2004.
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- Invited lecture “Physics at the fulcrum of modern biology” on National Science Day, Noida Degree College, Noida, Feb 28, 2005.

Dr. B.C. Das

**Dr. P. Sodhani and
Dr. S. Gupta**

Dr. M.A. Khan

Dr. Alok C. Bharti

Recognition of ICPO Faculties

As Guide/Co-guide

- Delhi University (South & North Campus), Delhi
- Jamia Millia Islamia University, New Delhi
- Ch. Charan Singh University, Meerut
- Jawaharlal Nehru Technological University, Hyderabad
- Banaras Hindu University, Varanasi

Examinership (External/Internal)

- University of Tampere, Finland
- Delhi University (South & North), Delhi
- Jawahar Lal Nehru Technological University, Hyderabad
- Banaras Hindu University, Varanasi
- Jamia Millia Islamia University, New Delhi
- Ch. Charan Singh University, Meerut
- University of Kerala, Trivandrum
- University of Kalyani, Kalyani, North Bengal
- Mysore University, Mysore
- University of Burdwan, Burdwan
- Sambalpur University, Orissa
- Madurai Kamraj University, Madurai
- Sher-e-Kashmir School of Medical Science, Jammu & Kashmir
- Indian Institute of Science, Bangalore
- University of Mumbai, Mumbai
- All India Institute of Medical Sciences, New Delhi
- PGIMS, Chandigarh