

CURRICULUM VITAE

PRASAD RAMRAO TONDARE

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2011/07 – till present:

Faculty in Cell and Molecular Biology

ATG LAB

First Floor, Saurabha Apartment
Ganesh Nagar, Pimple Nilak
Pune 411027
www.atgbiotech.com

2009/08- 2011/06:

Research Scientist

Virology and Vaccines Dept.

1-Nirlon Complex,
Off Western Express Highway
Goregaon (E). Mumbai
Piramal Life Science Ltd.
Mumbai - 400 063. India.

Research:

- Standardization of in vitro antiviral drug screening assays against CMV virus

Work Experience:

- Viral titration
 - Determination of CMV titer by CPE assay
 - Determination of CMV titer using plaque-forming cell assay
- Drug screening
 - Cytopathic effect inhibition assay
 - Crystal Violet staining
 - MTT method and CCK8 method
 - Plaque reduction assay
 - Cytotoxicity testing by MTT assay
- Preparation of primary Murine Embryonic Fibroblast cells (MEF cells isolation)

2007/09-2008/10:

Researcher

Biochip and Bioimaging for Drug Screening Lab
College of Pharmacy,
599, Gwanangno, Gwanak-Gu,
Seoul National University
Seoul 151-742, South Korea.

Research:

“A study on hyperspectral imaging system at preclinical stage”

Work Experience:

- Investigation of synergistic effect by neurotransmitter for anticancer drug activity using quantitative cell imaging
- Establishment of highly stable expression of green fluorescent protein (GFP) in B16F0 cell line by stable transfection.

2006/07-2007/08:

Quality Control Officer
Division of Viral Vaccine
Serum Institute of India Ltd,
Pune, Maharashtra, India

Responsibility:

- Quality control of viral vaccines (Measles, Mumps and Rubella Vaccines) at different production stages
- Analysis of raw materials, intermediate and final product
- Potency and stability testing of vaccines
- General safety testing of the vaccines in laboratory animals (Guinea pig, mice)

2005/11–2006/06:

Project Assistant
National Center for Cell Science
Ganeshkhind, Pune,
Maharashtra, India

Research:

- **“Quantum Dots: Development of new generation diagnostic kits against HIV and Malaria”**
- Production of monoclonal antibodies against HIV and malaria peptides - immunization of mice
- Production of monoclonal antibodies in large amount by cell fusion hybridoma technique
- Characterization of positive clones in terms of isotype and antigen recognition

2002/08-2005/11:

Research Assistant
Department of Molecular Virology
National AIDS Research Institute, Pune,
Maharashtra, India

Research:

- Involved in “HIV Vaccine Trial Network Project”
 - Monitoring disease parameters of HIV infected patients by measuring plasma viral load
 - HIV isolation,
 - HIV characterization
 - Co-receptor usage study by using GHOST cell,
 - Neutralizing antibody study
 - Testing of several synthetic, biologic and herbal compounds for their anti-HIV activity using cell based assay system.

2001/11-2001/12:

Trainee
Molecular Diagnostic Laboratory,
Jaslok Hospital, Mumbai,
Maharashtra, India

Responsibilities:

- Successfully completed bioanalytical training program on- Microbiology, Biochemistry, Serology, Clinical pathology and Histopathology.
- Trained especially for diagnosis of HIV and CMV by Polymerase Chain Reaction

Publications:

1. Smita Kulkarni, Srikanth Tripathy, Kalpana Agnihotri, Neena Jatkar, Sushama Jadhav, Winston Umakanth, Kavita Dhande, **Prasad Tondare**, Raman Gangakhedkar, Ramesh Paranjape. Indian primary HIV-2 isolates and relationship between V3 genotype, biological phenotype and coreceptor usage. *Virology*. **2005**. 33(1), 68-75.
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Seminars/Symposia/Workshops attended:

1. Participated in UGC sponsored National Seminar on “*Nutrigenomics and Nanobiotechnology*” at Poona college of Pharmacy, Bharati Vidyapeeth University from 31st Jan to 1st Feb. 2009.
 2. Oral presentation on “*In vivo cancer targeting and imaging with semiconductor quantum dot*” at College of Pharmacy, Seoul National University, South Korea on 20th June 2008.
 3. Delivered Seminar on “*Bioactivation and Cell Targeting of Semiconductor CdSe/ZnS Nanocrystals with Phytochelatin-Related Peptides*” at College of Pharmacy, Seoul National University, South Korea on 16th May 2008.
 4. Delivered seminar on “*Effect of silver Nanoparticle on Prokaryotic genome*” at College of Pharmacy, Seoul National University, South Korea on 25th Feb. 2008.
 5. Delivered seminar on “*Hyperspectral Cellular imaging: application towards biomarker studies*” at College of Pharmacy, Seoul National University, South Korea on 29th October 2007.
 6. Oral presentation on “**Interferon**” at Tata Institute of Fundamental Research, Mumbai.
 7. Good Clinical Practices training at National AIDS Research Institute conducted by John Hopkins University, USA on 14th - 15th November 2002 and on 15th September 2004.
 8. Completed Human Subject Research Education conducted by John Hopkins Bloomberg School of Public Health USA, during May 2004.
 9. Completed Bio Safety programme held at National AIDS Research Institute, Pune from 13th, 15th and 29th April 2004.
 10. Attended National seminar on “Population Growth and Sustainable Environments through Science and technology” at Nagnath arts, Commerce and Science College Aundha Nagnath on 5th March 2001.
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References:

1. **Dr. Shrikant Tripathy**
Deputy Director
National AIDS Research Institute (NARI),
73 “G” Block, MIDC Bhosari Pune 411026
E-mail:
2. **Dr, Pradeep B. Parab**
National Toxicology Center
3. **Dr.Smita Kulkarni**
Scientist “E”
National AIDS Research Institute (NARI),
73 “G” Block, MIDC Bhosari, Pune 411026
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