

Name : Dr. Swarali Kurle
Designation : Scientist 'B'
Date of Birth : 19/03/1974
Department : Immunology
Email : skurle@nariindia.org
Educational Qualification :



Degree	Year	Institution / University
Ph. D. (Health Sciences)	2011	University of Pune
M. Sc. (Microbiology)	1996	University of Pune
B. Sc. (Microbiology)	1994	University of Pune

Area of interest

HIV Immunology and HIV drug resistance

Awards and honors

1. "Senior Research Fellowship" award by Council for Scientific and Industrial Research (CSIR), New Delhi, India in year 2002.
2. International scholarship for the "XVth International AIDS Conference" at Bangkok, Thailand during July 11-16, 2004.
3. Best paper presentation award in the 32nd Annual conference of the Indian Immunologists' Society during 23rd-27th November 2005 at Chandigarh.

Research Experience

I joined National AIDS Research Institute in 1998 in the department of Virology and worked on various studies such as testing of traditional medicines for anti-retroviral activity, development of HIV bank etc. Subsequently I worked in Molecular virology where my main research area was diagnosis of mother to child HIV transmission and detection of drug resistance mutations in the HIV infected infants born to HIV infected mothers.

In the year 2002, I received the award of Senior Research Fellowship by CSIR to pursue by doctoral studies. My research area for the doctoral studies was Immunology. I was also involved in the two phase I human clinical trials of HIV vaccines. Further, I was appointed as Research Manager, for the Consortium of National Reference Laboratories in the evaluation of various diagnostic kits being used by the National AIDS Control Organization in the NACP. My current area of research includes HIV immunology and HIV drug resistance.

Post Held	Employer	Duration
Laboratory Technician	National AIDS Research Institute, Pune	Feb 1998 to Feb 2001
Research Assistant	National AIDS Research Institute, Pune	Mar 2001 to Nov 2002
Senior Research Fellow	National AIDS Research Institute, Pune	Dec 2002 to Dec 2005
Research Associate	National AIDS Research Institute, Pune	Jan 2006 to Mar 2007

Research Scientist	National AIDS Research Institute, Pune	Apr 2007 to Dec 2007
Research Manager	National AIDS Research Institute, Pune	Feb 2011 to Apr 2013
Scientist B	National AIDS Research Institute, Pune	May 2013

No. of Publications: 12

Publications

1. "Full-length gag sequences of HIV-1 subtype C recent seroconverters from Pune, India".
Kurle Swarali, Tripathy S P, Jadhav S D, Agnihotri K D, Paranjape R S. AIDS Res. and Hum. Retro. Vol.20, No.10, 1113-1118.
2. "In vitro sensitization of T cells with DC associated/delivered HIV constructs can induce polyfunctional CTL response, memory T cell response and virus suppression". Swarali Kurle, Madhuri Thakar, Ashwini Shete and Ramesh Paranjape. Viral Immunology 2012, Volume 25, pp 45-54.
3. "Differential modulation of phenotypic composition of HIV infected and uninfected PBMCs during cryopreservation" Shete, Ashwini, Jayawant, Priyanka, Thakar, Madhuri, Kurle, Swarali, Singh, Dharmesh and Paranjape, Ramesh. Journal of Immunoassay and Immunochemistry. Accepted.
4. "Safety and immunogenicity of DNA and MVA HIV-1 subtype C vaccine prime-boost regimens: A Phase I trial in HIV-uninfected Indian volunteers. Sanjay Madhav Mehendale, MBBS, MD, MPH; Sanjay Mehendale; Madhuri Thakar; Seema Sahay; Makesh Kumar; Ashwini Shete; Pattabiraman Sathyamurthi; Amita Verma; Swarali Kurle; Aparna Shrotri; Jill Gilmour; Rajat Goyal; Len Dally; Eddy Sayeed; Devika Zachariah; James Ackland; Sonali Kochhar; Josephin H Cox; Jean-Louis Excler; Vasanthapuram Kumaraswami; Ramesh Paranjape; Vadakkupattu Ramanathan. PLoS ONE; 2013, 8(2), e55831.
5. "Emergence of NNRTI Drug Resistance Mutations After Single-Dose Nevirapine Exposure in HIV Type 1 Subtype C-Infected Infants in India." Swarali Kurle, Raman Gangakhedkar, Sourav Sen, Shilpa Hayatnagarkar, Srikanth Tripathy and Ramesh Paranjape. AIDS Res. and Hum. Retro. 2007 Vol.23, No.5, pp682-685.
6. "gp120 sequences from HIV -1 subtype C early seroconverters in India". Agnihotri Kalpana, Tripathy Srikanth, Jere Abhay, Jadhav Sushama, Kurle Swarali and Paranjape Ramesh. AIDS Res. and Hum. Retro. Vol.20, No.8, 889-894.
7. "Detection of Subtype C and Subtype B HIV-1 Recombinants in India". Srikanth P. Tripathy, Smita S. Kulkarni, Sushama D Jadhav, Kalpana D Agnihotri, Abhay J Jere, Swarali N Kurle, Sujit K. Bhattacharya, Khomdon Singh, Sriram P. Tripathy and Ramesh S. Paranjape. AIDS Res. and Hum. Retro, February 2005:152-157.
8. "Mother to Child HIV Transmission: NARI Experience". Swarali Kurle, Nita Mawar and Ramesh Parnajape In: Proceedings of International Conference on Emerging trends in Haematology & Immunohaematology. Published by Institute of Immunohaematology, Mumbai, 2007, pages 45-50.

9. Poster presentation in “XVth International AIDS Conference” at Bangkok, Thailand during July 11-16, 2004.
Title: “Prevention of Vertical HIV-1 transmission by Zidovudine and Nevirapine”
10. Paper presentation in the 32nd Annual conference of the Indian Immunologists’ Society during 23rd-27th November 2005 at Chandigarh. Award of Best paper (for oral presentation)
Title: “In vitro generation of HIV-1 subtype C Gag specific immune response using antigen pulsed autologous dendritic cells.”
11. Paper presentation in the 33rd Annual conference of the Indian Immunologists’ Society during 28th - 31st January 2006 at New Delhi.
Title: “CD4+ T cell mediated HIV-1 subtype C p24 specific immune response in HIV uninfected individuals upon in vitro immunization using p24 pulsed autologous dendritic cells.”
12. Poster presentation in the conference “Translational Research in HIV/AIDS in India” during 12th-14th January 2011 at Goa, India.
Title: “in vitro immunization using autologous dendritic cells as APCs: Comparison of immune response against three HIV constructs.”