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| **Dr. Satish Patel (M.V.Sc; Ph.D)** |
| **Deputy General Manager ▪ Date of birth : 5th Feb 1974** |

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| **Home Address** |
| E/302, Swaminarayan Avenue, AEC cross Road, 132 ft Ring road, Naranpura, Ahmedabad-380 013 |

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| **Office Address** |
| Animal Research facilities, Zydus Research Centre, Sharkhej-Bavla NH # 8A, Moraiya, Ahmedabad 382210, Gujarat, India |

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| **Academic & Professional Qualification** |
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| **Qualification** | **Board/University** |
| Ph.D. | College of Vet. Sci. & A. H., Anand Agricultural University, Anand.Dissertation work: “Studies on pharmaco-toxicological profile of erlotinib, meloxicam and metformin following mono and combination therapy in cancer model of mice” |
| M.V.Sc. | College of Vet. Sci. & A. H., Anand Agricultural University, Anand.Dissertation work: “Pharmacokinetic interactions of tolfenamic acid and moxifloxacin and safety of tolfenamic acid in wistar rats”  |
| B.V.Sc. & A.H. | College of Vet. Sci. & A. H., Anand Agricultural University, Anand. |
| H.S.C. | Navin Sarva Vidhyalaya, Vadnager, Guj. Sec. Ed. Board, Gandhinagar. |
| S.S.C. | K.M.Kothari High school, Satlasana, Gujarat Sec. Ed. Board, Baroda. |

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| **Professional Work Experience/Achievements** |
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| * Manage the Animal resource facilities with almost all species of laboratory animals including Dogs, NHPs, transgenic animals and experimental facilities for pharmacology, toxicology, safety and DMPK studies.
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| * Developed and Established system for Animal facilities to avail AAALAC and GLP Accreditation. Key role as attending veterinarian in AAALAC accreditation of Animal Research facility at Zydus Research Centre, Cadila Healthcare ltd.
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| * Developed and launched two products in markets and also involved actively in development of many drugs, vaccines, biologics and diagnostics.
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| * Key role in IAEC protocols preparation and approval from CPCSEA for regulatory studies required for IND filing, animal procurement-Import formalities & it’s regulatory clearance.
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| * Maintain and breeding of Inbred, outbreed, mutant and transgenic animals required as different disease model in different therapeutic area. Plan and conduct Microbial surveillance & Health monitoring of laboratory animals.
* Actively involved in planning and execution of animal experimentation pertaining to Pharmacology, Safety, DMPK and Toxicology research.
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| * Development and optimization of in-house immunological test as per requirements; potency and safety testing of vaccine and Bio-generics and development of veterinary vaccine by cell culture and culturing of viruses.
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| * Published more than 25 research publications in national and international journals.
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| **Research Project, Seminar, Publication after 2013** |
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| * **Satish D Patel**.; Urvesh D Patel.; Kamlesh A Sadariya,; Aswin M Thaker,; Shailesh K Bhavsar and Harilal Patel (2018): Impact on pharmacokinetics of erlotinib by meloxicam and metformin administration in SCID mice; The pharma Innovation Journal; 7 (8): 432-436
 |
| * Rajeev K. Tyagi.; Nikunj Tandel.; Richa Deshpande.; Robert W. Enelman.; **Satish D Patel** and Priyanka Tyagi (2018): Humanized mice are instrumental to the study of plasmodium falciparum infection; Frontiers in Immunology, Vol 9; 2550.
 |
| * Hardik Patel.; Naveen Yadav.; Rajesh Parmar.; **Satish Patel**.; Agam P. Singh.; Neeta Shrivastava.; Sarat K. Dalai (2017) : Frequent inoculations with radiation attenuated sporozoite is essential for inducing sterile protection that correlates with a threshold level of Plasmodia liver-stage specific CD8+ T cells; Cellular Immunology 317: 48-54.
 |
| * Kishan K. Sharma.; I. H. Kalyani.; J Mahapatra.; **Satish D. Patel**.; Dharmesh R. Patel.; Priti D. Vihol.; Abhijit Chatterjee, Dinesh R. Patel.; Bhavesh Vyas (2017) : Evaluation of the oncolytic potential of R2B Mukteshwar vaccine strain of Newcastle disease virus (NDV) in a colon cancer cell line (SW-620), Archives of Virology 162(9) : 2705-2713.
 |
| * Nibedita Naha.; D.N. Gandhi.; A.K. Gautam and **Satish Patel** (2016) : Involvement of Neurotransmitter and Nrf2 in Nicotine and Cigarette Smoke-Induced Testicular Toxicity in Adult Rats; Reproductive Biology Insights [2016 (9](http://insights.sagepub.com/journal.php?journal_id=111&tab=volume#issue799)): 5-17.
 |
| * **Patel Satish D**.; Patel Alpesh J.; Patel U.D.; Thaker A.M.(2013) : Sub-acute toxicity of heptachlor at low dose exposure in wistar rats. International Journal of Scientific Research 9(2): 17-18.
 |
| * **Patel Satish D**.; Patel Samir R.; Patel Urvesh D.; Guru P.Y and Jain Mukul R. (2013): Effect of enriched environment on reproductive performance and body weight gain in wistar rats. Research Animals 1 (1): 34 -37.
 |
| * Sadariya K.A.; J.B. Patel; **Patel Satish D**.; S.K. Bhavsar and A.M. Thaker (2013) Pharmacokinetics of moxifloxacin following intravenous and intramuscular administration in sheep. Indian Veterinary Journal. pp 1-8.
 |
| * Sadariya K.A.; **Patel Satish D**. ; Patel J.B.; Bhavsar S.K. and Thaker A.M.(2013) : Febrile Conditions Alter the Pharmacokinetics of Moxifloxacin Following its Intramuscular Administration in Sheep. Poster presented on National Seminar on “Advances in Animal Health & Application of Biotechnology” and 1st Annual Convention of Society for Veterinary Sciences and Biotechnology (SVSBT) on 9th March 2013 at Department of Animal Reproduction, Gynaecology & Obstetrics, College of Veterinary Science & AH, AAU, Anand - 388 001, Gujarat.
 |
| * Patel R. J.; Soni H.; Sadariya K.A.; Patel J.B.; **Patel S.D**.; Bhavsar S.K. and Thaker A.M.(2013) : Toxicological evaluation of cefoperazone following repeated intramuscular administration in surti goats. Journal of Veterinary Pharmacology and Toxicology 12 (1-2): 76-78.
 |
| * **Patel Satish. D**; Patel Rajanikant; Patel Hiren M.; Prabodha Swain; Mukul Jain and Ashwin Thaker (2013) : Effect of Erlotinib, Meloxicam and Metformin following mono and combination therapy on gene expression In NSCLC Xenograft (A-549 Cell Line) Mice Model” in RBF 6th International Symposium on : “Advances in New Drug Discovery Technologies And Translational Research”. at Zydus Research Centre, Ahmedabad, India, 4-6 February’2013.
 |
| * **Patel, Satish D**.; Sadariya, K.A.; Patel, J.B.; Bhavsar, S.K. and Thaker A.M. (2012) : Pharmacokinetics of metformin as alone and in combination with meloxicam or/and erlotinib administration in SCID male mice. XIIth Annual conference of Indian Society of Veterinary Pharmacology and Toxicology held at Department of Pharmacology and Toxicology, Veterinary College, Bangalore- 24 during December 12-14, 2012.
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