

NIPER-Mohali PhD student bags post-doctoral position at University of Washington (UW), Seattle, Washington, USA



Mayur K. Ladumor, a PhD student from the Department of Pharmaceutical Analysis, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, has been offered a post-doctoral position with fellowship in the Department of Pharmaceutics, University of Washington (UW), Seattle, Washington, USA. His PhD research work is related to the development of open access repository of protein abundance data of drug metabolizing enzymes and transporters for applications in physiologically based pharmacokinetic (PBPK) modeling and simulation, and this developed repository can be hugely resourceful for systems pharmacologists and pharmacometricians in the drug development process. Mayur has shown distinguished

performance during his PhD tenure under the guidance of Prof. Saranjit Singh (Head, Department of Pharmaceutical Analysis), by making a contribution to the scientific field through latest publications in peer-reviewed journals like Nature Scientific Reports and Drug Metabolism and Disposition. These research articles highlighted the utility of PBPK modeling in prediction of pharmacokinetics of medicines in special populations like pediatric and different disease states. Conventionally, assessment of the fate of the medicine in patient's body is done through human clinical studies and animal experimentation, however, such studies are logistically and ethically difficult, which can be reduced and/or replaced by employing PBPK modeling. Mayur is a native of Gujarat and his parents are farmer by profession. He has brought laurels to NIPER as well as made his family proud with this esteemed achievement. He will be joining the UW as a senior fellow by July 1, 2019.