



राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान

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Date: 01.08.2018

Press Release

NIPER Faculty awarded International project through India-Germany



Dr Abhay T Sangamwar, the Assistant Professor from the Department of Pharmaceutics has got sanctioned an International project through India-Germany 'BioHR: Bioinformatics in Health Research'. The project is entitled as 'Investigation of drug polymer interactions by coarse grained molecular dynamics simulations for stable drug formulations'. The project has been recommended in-principle for funding. This project will address drug-exipient (polymer) interactions that play an important role in the release of the drug at the site of absorption and the stability of the formulation while transported through the GI tract. The study will include coarse grained models and the state-of-the art implementation on graphics cards (GPUs) which allows orders of magnitude speed ups of the drug-polymer simulations relative to atomic detail models and thus enables study of polymers. The formulations developed will then be characterized and evaluated in animal models.