

## Content 1

# Two-day workshop on "Experimental Pharmacology and Computer Aided Drug Design"

Department of Pharmacology, JSS College of Pharmacy, Ooty April 26 & 27, 2019

The purpose of this workshop is to provide hands on training in drug design and animal handling to the post graduate students from pharmacy discipline. Full day workshops were conducted to the participants on limited seat and selection basis. The workshop began with a short inaugural ceremony of introducing each other between the resource persons, delegates and departmental staffs. Dr. Girinath Pillai, Director, Zastru Innovations Pvt. Ltd. was our resource person for drug design part of this workshop. In the morning session of day 1, the participants were briefed on structure and ligand based drug design methods. In the afternoon session of day 1, the participants were given hands on training in drug design modules from **StarDrop, Optibrium**. The participants were trained on PDB website, drawing chemical structures, calculation of ADME & Toxicity properties and docking. The second day of the workshop was purely allotted for Experimental Pharmacology. In the morning session of the day 2, the delegates were given brief introduction to experimental pharmacology and bio-assays. This was followed by hands on training on animal handling and routes of drug administration. This session was handled by Dr. R. Vadivelan, Professor, Department of Pharmacology, JSS CP, Ooty. The participants were also introduced to the *in-vivo* experiments conducted through simulation software. Late into the afternoon, Dr. Praveen T.K, Professor and Head, Department of Pharmacology, JSS CP, Ooty explained the *ex-vivo* tissue experiments. The participants were a given a demonstration on working of the polygraph to measure the tissue response. The valedictory function was headed by Dr Dhanabal P, Principal, JSS CP, Ooty. He distributed the certificates and the valedictory function was concluded with the feedbacks from the participants.