Sildenafil-MIL-89 Conjugate as a Potential Drug Delivery Vehicle in Pulmonary Arterial Hypertension

18 March 2020
Goals and Objectives

**In vitro**
- Assessing the cytotoxicity and cellular uptake of nanoMIL-89 on PAH relevant cells using microscopy imaging.

**In vivo**
- Loading of nanoMIL-89 with sildenafil and assessing the cytotoxicity, anti-inflammatory effect and drug release kinetics.
- Assessing the toxicity of nanoMIL-89 on Zebrafish embryos.
Achievements and Outcomes
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Post Project Plans and Future Challenges

Using Diseased Models

Smart Drug Delivery

Therapeutic Efficacy and Routes of Administration