

# Mentor Meeting- 17

## 17-11-09 (SKYPE)

### Jaspreet

Presented about molecular docking studies of CL44JP (MEPHET) for PARP1, mortalin and p53  
Both the objective have been concluded

### Navaneethan

Presented molecular docking analysis of CL57DS with p53 and mortalin. Whereas it was found to interact with p53, no interactions with mortalin were detected. Further experiments will be taken up to validate these findings.

### Vidhi

- Presented work on potential of selected natural compounds to act as PI3K & mTOR ATP kinase inhibitors.
- Some of them have been shortlisted based on their interactions.
- Comparisons were made with known inhibitors PI-103, which is already reported as dual inhibitor of PI3K and mTOR.
- Next focus
  - i. Check the commercial availability of selected natural compounds.
  - ii. Find out possible assays to validate their kinase inhibitory activity.
  - iii. Look for availability of cancer cell lines with PI3K<sup>-</sup>/mTOR<sup>+</sup>, PI3K<sup>+</sup>/mTOR<sup>-</sup> and PI3K<sup>-</sup>/mTOR<sup>-</sup> to check the effect of inhibitors on these cell lines.



**Dr. Renu, Dr. Sunil, Dr. Sundar, Jaspreet, Navaneethan, Vidhi, Vivek, Moolchand, Dhvani**