



**Aravind Penmatsa, PhD**  
Associate Professor

**Molecular Biophysics Unit**  
**Indian Institute of Science**  
**Bangalore 560 012, INDIA.**

**Phone:** +91-80-2293 3552, 2458 **Fax:** +91-80-23600535 **E-mail:** penmatsa@iisc.ac.in

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To  
The Organizers,  
Sun Pharma Research Awards 2023.

### **Undertaking of Research**

The following research publications that are being submitted for consideration for the Sun Pharma Research Awards 2023 have not been submitted elsewhere for award consideration. The research was funded through generous and competitive grants and fellowships by DBT, DST and India Alliance. The following publications are being submitted for consideration and the primary authors in these studies are my postdocs and graduate students and me being the corresponding author. A small part of the study was performed through a collaboration and consulting with a research group in Germany for the publication 3 in the following list. Besides that, all authors have in the manuscripts have been mentored within my lab.

1. Shabareesh, P., Mallela, A.K., Joseph, D. & **Penmatsa, A.\*** Structural basis of norepinephrine recognition and transport inhibition in neurotransmitter transporters. **Nat. Commun.** (2021) **12**:2199. (<https://doi.org/10.1038/s41467-021-22385-9>)
2. Joseph, D., Nayak, S.R., & **Penmatsa, A.\*** Structural insights into GABA transport inhibition using an engineered neurotransmitter transporter. **EMBO J.** (2022). 41:e110735.
3. Nayak, S.R., Joseph, D., Hoefner, G., Dakua, A., Athreya, A., Wanner, K.T., Kanner, B., & **Penmatsa, A.\*** CryoEM structure of GABA transporter 1 reveals substrate recognition and transport mechanism. **Nat. Struct. Mol. Biol.** (2023). **30**, 1023–1032.

### **Authors and roles.**

1. Pidathala Shabareesh: DBT-RA postdoc in my laboratory.
2. Deepthi Joseph: PhD student
3. Smruti R. Nayak: PhD student
4. Aditya Mallela: Project JRF
5. Archishman Dakua: UG-MS student in my laboratory.
6. Arunabh Athreya: PhD Student
7. Aravind Penmatsa: Corresponding author and lead investigator.

Sincerely,

**Aravind Penmatsa, PhD**