



Indian Institute of Technology - Kanpur

Dr. Sai Prasad Pydi

Assistant professor

Department of Biological Sciences & Bioengineering

IIT-Kanpur 208016 India

Tel. : +91-512-259-2212 (O)

: +91-817-821-8474 (M)

Email : pydi@iitk.ac.in

Dear Committee Members,

Subject: Nomination/Recommendation Letter for Science Scholar Fellowship

I am writing with great enthusiasm to recommend Ms. Seema Kuldeep for the Sun Pharma Science Foundation Science Scholar Fellowship. As Seema's doctoral thesis supervisor for the past three years, I have had the privilege of observing her remarkable dedication, intellectual curiosity, and unyielding commitment to both academic and research excellence.

Seema is currently engaged in pioneering research that explores the role of tissue-resident macrophage G-protein-coupled receptor (GPCR) signaling—a critical drug target in modern medicine—in the context of metabolic disorders. Her work employs a sophisticated combination of transgenic mouse models, cellular systems, and pharmacological approaches to advance our understanding of these complex processes and develop more effective therapeutic strategies.

From the outset, Seema has demonstrated an extraordinary passion for science, consistently exceeding expectations in every task she undertakes. Her capacity to tackle intricate problems with a strong analytical mindset truly sets her apart as one of the most promising young researchers I have had the pleasure to mentor. Despite having no prior experience in working with animal models or receptor pharmacology, Seema has skillfully managed the generation and metabolic characterization of transgenic mouse models—a process that can take anywhere from few months to years—with exceptional precision and timeliness.

Beyond her technical skills, Seema is renowned for her diligence and hard work. She routinely goes above and beyond what is expected, often taking the initiative to explore new ideas and refine existing methodologies. Her meticulous attention to detail and persistent nature ensure that her work is always of the highest quality.

I wholeheartedly support the nomination of Ms. Seema Kuldeep for the Sun Pharma Science Foundation Science Scholar Fellowship. Her passion, dedication, and sincerity make her an outstanding candidate for this prestigious fellowship. I am confident that this recognition will further inspire Seema to make significant contributions to the field of GPCR signaling and metabolic disorders.

Please do not hesitate to contact me if you require any additional information.

Sincerely,

Sai P Pydi

DR. SAI PRASAD PYDI

Assistant Professor

Department of Biological Sciences & Bioengineering

IIT Kanpur-208016