



INSTITUTE OF LIVER & BILIARY SCIENCES

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To Whomsoever It May Concern

Date: 31-08-23

It is my great pleasure to give this recommendation letter to **Ms. Pinky Juneja** for the **Sun Pharma Science Foundation Science Scholar Research Award**. She is currently associated with me as a **Ph.D. student** at the Institute of Liver and Biliary Sciences, New Delhi. Pinky has completed her master's in Biotechnology from South Asian University, New Delhi. I have known Pinky since July 2020 when she joined my lab as a junior research fellow in a DST-funded project. She then later joined the lab as a Ph.D. student in September 2020. **She worked sincerely and completed the project successfully**. In her previous role as a junior research fellow, Pinky worked on a project to target gut lymphangiogenesis using recombinant human protein VEGF-C in experimental rodent models of liver cirrhosis. She has also worked with human samples and looked for the changes in gut lymphatic in liver cirrhosis patients. **She successfully completed this project and the work was published in two prestigious journals, Journal of Hepatology Reports and Frontiers in Physiology**.

Pinky is currently working on her Ph.D. thesis, which is focused on the use of mesenteric lymphatic endothelial cells as a therapeutic target to combat systemic inflammation in liver cirrhosis. She has gained considerable experience and expertise in lymphatic biology and function, liver cirrhosis, and systemic inflammation with the help of various techniques such as in-vivo imaging, lymphatic functional assay, and imaging. She also has developed expertise in the isolation, sorting, and culture of primary lymphatic endothelial cells. She has also optimized tissue clearing and whole-mount imaging of the lymphatic vessels from the mesentery and intestine. She is experienced in making several animal models of liver injury. She is equally good in molecular and cell biology techniques like western blotting, RT-PCR, histopathological staining, immunostaining, flow cytometry and sorting, and 2D and 3D confocal imaging. In a short period, she has now emerged as an independent and skillful researcher. She has now also developed the ability to generate new research hypotheses based on her findings and design and carry out experiments to test them.

In addition to her research skills, Pinky is also an excellent communicator and collaborator. She is a team player and is always willing to help others. She is also a friendly and approachable person.

I have no doubt that Pinky would be an asset to any research team. She is a highly motivated and talented researcher with a bright future ahead of her.

I unreservedly and empathetically recommend her candidature for the Sun Pharma Science Foundation Science Scholar Awards and Travel Award.

If I can be of any further assistance, or provide you with any further information, please do not hesitate to contact me.

Warm regards,

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