



## **INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY**

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### **TO WHOMSOEVER IT MAY CONCERN**

It is my pleasure to write this letter to support Mr. Sanchit Sood's application to pursue Dual Ph.D. program me with University of Manchester, UK.

For over a year now, I have known Mr. Sanchit, and he is currently pursuing **Masters of Technology (MTech) at Indian Institute of Technology (IIT) Kharagpur**. He qualified national level examinations (Combined Entrance Examination for Biotechnology: CEEB, and Graduate Aptitude Test in Engineering: GATE) and secured **AIR 3** in CEEB and **AIR 112** out of 10,000 applicants in GATE (BT). He received fellowship support from Government of India to pursue his MTech degree from a prominent institute like IIT-Kharagpur. He has also been felicitated with **Gold medal** in his **Bachelor's degree** for securing highest **CGPA (9.30)** in his branch and batch. He was also selected in prestigious **Khorana Fellowship** after rigorous selection process to pursue an internship in a US university. Currently he is **amongst top 3** rankers in his master's degree in his batch and has also authored **2 review articles and 1 book chapter** which are published in reputed International Journals.

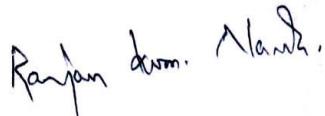
He has done his final year bachelor's thesis project titled "*Analysis of urine proteome of Tuberculosis (TB) patients*" under my supervision. Primary objective of his thesis work was to identify regulated TB specific markers (proteins) in patients suffering from active TB and to design a diagnostic device for efficient diagnosis of the disease. He has completed work activities of this objective by employing quantitative proteomics tools to identify regulated molecules and monitored the regulated molecules using SDS PAGE, Silver staining, Western blot and protein concentration tools using specific MWCO specific filters from an independent patient's sample sets for validation. Second part of his project involved designing a diagnostic layout design for accurate diagnosis of TB. He learnt the **AUTOCAD** software for this purpose and come up with a user friendly and easy to use diagnostic device design which has the potential to be commercialized in future.

Mr. Sanchit continuously put effort to refine and adopt new tools to extract meaningful information from his work plans. During his thesis work, he had shown tremendous energy and enthusiasm to understand each and every detail of his project. I find Mr. Sanchit as a dedicated student and he demonstrated his ability to work independently with creativity and the quality of work in his thesis project was compelling. He overcame obstacles to execute his assigned task. He displayed a high level of motivation and passion towards his work as well as effectively to lead a team.

To sharpen his experimental skills, he participated in many workshops and conferences organized in ICGEB campus and at his host institute. Pursuing his further research as part of this program will be useful to learn new skills and tapping his true potential and get exposure to the on-going entrepreneurial developments/innovations, meet experts of the field and discuss about his future goals. I am sure with the help of this programme, Mr. Sanchit will get this unique opportunity to get exposed to modern tools and in long term he will contribute effectively to research community.

Being a part of your lab will not only influence his career but also help him increase his understandings and skills required in the field. I am sure he will represent his abilities and acumen to international community in the best manner possible and learn from the world's best experts in the field. I will be happy to provide additional information, if any, to support Mr. Sanchit's application.

With regards,



**(Ranjan Nanda, PhD)**

Group Leader

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