

Statement of Purpose

Ever since a very young age, I've been fascinated towards the subject of biology and life sciences. Professionally, I worked as a faculty of biology in India after my master's degree. But from the beginning, my scholarly concerns were mostly focused on experimental applications of different techniques which I studied in theory and those concerns oriented my career path back to academics.

I have a Bachelor degree in Biotechnology and Master Degree in Life Science from the prestigious universities of India, where I've spent a lot of time sharpening my observational and analytical skills, as well as my knowledge of reading measurements. While I was a student at the university, I was able to maintain good marks throughout my graduation degree while taking a full load of classes as well as seminars. My most significant research work was the Master's dissertation and this period allowed me to master essential research techniques, including bacterial culturing, sample separation, Gel electrophoresis, PCR, Western blots, etc.

My first exposure to neuroscience research was when I worked as a summer intern in the lab of Dr. Ishan Patro in the Jiwaji University, Gwalior (India), where I was the part of the ongoing project and learnt different techniques such as dissection of mice, brain tissue sectioning, behavioral experiments on mice, etc. I have performed dissection in mice and also performed experiments based on the cognitive behavior of mice in different situations. Research in the Dr. Patro lab focuses upon the involvement of glial cells in brain development and brain associated diseases. During the internship, I studied about the glial cells and the effect of these cells on neurons and performed experiments like Immuno-histochemistry etc. At the end of the internship, I found neuroscience as an interesting research area. So I chose to continue my interest and look forward to pursuing my research in neuroscience.

Aside from my academic career, I have been a part of student council and I have actively worked as a volunteer in the NGO, having to manage multiple commitments at the same time has strengthened my organizational and time management skills. Professionally, I worked as a faculty of biology in two different coaching institutes of India after completing my Master's degree. I also gained public speaking skills by presenting my project results in presentation format to the college faculties and peers. My academic and professional experiences have served me well in developing my communication, observation, and teamwork skills.

I am quite interested in Neuroscience department, as my personal interest is to research in neuroscience. I am particularly interested in joining the programme because I have always tried to work alongside the best because I believe in the importance of peer learning. I am keen to work under the guidance of the best professors of neuroscience. And this program covers a number of topics that interest me the most and help in developing my skills. And also, my attention was attracted by the highly international environment of the institute. At your institute, I will learn how to communicate with people from different backgrounds to achieve the best results which I believe will be the next big step in my development.

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