Hi there, Jagdeep here, thanks for stopping by! I am currently a PhD student at Penn State University, University Park, USA. I grew up on a small farm in Punjab, India. Our family farm is where I developed

the fascination towards the natural world and specifically toward plants. I always wondered about the "hows" and "whys" of the basic functioning of the plants. For instance, while I was in

the 5th grade, I would cut open a wheat stalk to find out how a young <a href= https://www.nature.com/articles/s41437-020-0320-1/figures/1> wheat spike</a> (about the size of pencil head) looks like?

My Dad - my hero, played a big role in nourishing my desire to learn. He motivated me on every step and got me into B.Sc. Agriculture at Punjab Agricultural University, Ludhiana, Punjab, India.

Once in the university there was no looking back, thanks to the great group friends and mentors, I knew I wanted to study plant breeding and evolution. Following that interest,

I did my masters from South Dakota State University. I immensely enjoyed working in <a href = https://sites.google.com/site/sunishsehgal/home> Dr. Sunish Sehgal's winter breeding program.</a> While studying nitrogen fixation in wheat, I got

interested into the world of roots and since then I have been exploring roots with <a href = https://plantscience.psu.edu/research/labs/roots> Dr. Jonathan Lynch</a> at Penn State University. Moving forward, I am work towards developing climate resilient crop varieties.