Acknowledgements

PhD was my dream castle that I had built in the air, virtually. There have been numerous people instrumental in bringing this dream to reality and grounding my castle.

The first person I’m thankful to for the commencement of my PhD journey is Apurva Sarin. I still remember, how one day while I was walking in the colonnade she called me and said “Shobha, July 11th is the deadline for submitting PhD proposal, try and submit yours before that.” I was in glaze as I had not even considered it. I had exactly 10 days and I was not sure as to whether I wanted to discuss about it with Shona. I however thought I should just put in a word and to my utmost amusement, Shona said “Yes, you should submit the proposal before the deadline”. Shona worked with me and I could submit my proposal within the deadline. That is how the journey of my PhD started. With this, my first sincere heartfelt gratitude goes to Shona, without whose unconditional support and encouragement I wouldn’t have started this journey. Two other people who agreed to accompany me on this journey were Ravi (Instem) and Laxmi Rao (NIMHANS), being actively part of my TCM. My thanks extends to Bauke from the University of Gronigen and James and Nabarun chakraborty from Geneva Foundation, Integrative Systems Biology, Geneva Foundation, USACEHR.

I joined Shona’s lab as a resident histologist to manage the morphological work. My work overlapped with that of batches of graduate students, post docs and JRFs. In this respect, Anupratap is the first person to thank as he taught me animal handling, behavior experiments and made me comfortable around my new workspace. I would like to further thank the former members: Anup, Aparna, Ruchi, Surpriya, Harini, Rajinish, Manish, Sonal, Deba, Rohan and Kapil. Deba is a dynamic person who broadened my views in the field of science and showed me how to enjoy it.

As the lab grew larger with bigger lab space, the next batch of colleagues joined in with me, to whom I’m also thankful for, namely: Jesvin, Farhana, Giselle, Prabahan, Deepika and Arnab.

Present members of lab Vijay, Shashank, Arpita, Priya, Rohit, Shreya, Kanika, Zubin, Anupam, and Urvashi have also taken an active part in my work and supported me throughout. Aditi’s come back to lab was indeed fortunate for me as she is a great mentor and more importantly a very dear friend. Rakhi is big guiding force who stood strong with me in times of despair and never walked me out of it, head strong. Minal is a kind of friend everyone must have as she is simple and straight.
forward with her opinions and this is of great help when you need an honest feedback. I am immensely thankful for having had all these people in my life.

I owe my punctuality at work mostly to my best friend, Lakshmi Priya from the purchase department. We used to travel to work by the same cab and she used to ping me before the cab reached my stop so that I would not miss it. Not missing the cab was of prime importance to me as commuting from my residence to work place was otherwise extremely difficult. Priya would motivate me and helped me a great deal in building my self-confidence. She made me feel like my work was of actual importance.

My thanks extends to administration, purchase, academics, instrumentation, IT services, canteen and animal house facility for their timely help and support.

My PhD journey wouldn’t have been smooth without my family’s support. They are my greatest pillars. I was pretty hesitant in the beginning to start out on this venture as my family was greatly dependent on me, and I taking up this route would require sacrificing time for my family. It was my husband’s advice and the confidence he had in that me drove me through the hesitations and skeptical thinking. He played an active role in the house activity to ease my job and this in turn has made him a great cook now. I have great applaud for my kids, who never made feel like there were any shortcomings from my side as a parent. My daughter Brunda has been my guide and philosopher. My son, Aditya with his great skills of humor would make me laugh and ease me out during the times of stress.

My parents felt very happy and proud when I told them about my Phd. My father was a great mentor to me. He would always be intrigued about my work and would time and again question me about updates in my work and would accordingly give his suggestions. I wish he would have stayed with me till the completion of my work. I really miss him and I am sure he is watching over me from wherever he is. I am eternally grateful for having had a father like that.

My sister and her family too have always been supportive. She has always pitched in at all times of need. I am greatly thankful to her and her family.

And finally, I thank God for all good things he has given me and for giving me something to believe in, as a source of hope.