Personal Statement

I find the issue of polyploid distribution an especially intriguing problem as it includes a large genetic component which will be fascinating to model. Furthermore, I find the evolutionary cost-benefit aspect and the interface with ecology particularly exciting. By modelling these processes, I will gain an in-depth understanding of how they work. I will also learn a transferrable skill which will help my career in a range of fields. IBMs are frequently used to study problems ranging from genetics and microbiology to ecology and evolution. Modelling is also a skill which I can combine with my past experience as a web developer. Models can be given web interfaces to make them interactive tools; useful in education and in promoting important research. The interface aspect is something I have already contributed to within the department and I am eager to learn how the modelling works so I can fulfil this ambition.