## Contents

1. General introduction  
2. How specific should immunological memory be?  
3. Adaptive immunity as a specific storage system of immunological decisions  
4. What limits the individual MHC diversity?  
5. MHC polymorphism: a result of host–pathogen coevolution  
6. Extending the quasi-steady state approximation by changing variables  
7. Competition for antigenic sites during T cell proliferation: a mathematical interpretation of in vitro data  
8. Summarizing discussion  

Bibliography  
Abbreviations  
Samenvatting  
Curriculum Vitae  
Publications  
Acknowledgements