

Summary	iii
Acknowledgements	vii
Table of Contents	xi
Abbreviations	xiii
Chapter 1: Introduction	1
Malaria Epidemiology	2
Malaria Life Cycle	3
Clinical Symptoms, Treatment, and Prevention	4
Protein Export	5
Functions of Exported Proteins	7
PfEMP1, Immune Evasion, and Cytoskeleton Remodeling	7
PHIST Proteins	8
Aims and Objectives	9
References	11
Chapter 2: Cytoskeleton Remodeling Review	15
Chapter 3: PHIST Review	57
Chapter 4: PHIST BioID and Protein Interaction Network	81
Chapter 5: Humanized Parasites	115
Chapter 6: Gametocyte PHIST Protein GEXP02	143
Chapter 7: General Discussion	181
Appendix	191