Table of Contents

Chapter 1
An introduction to alcohol-use, adolescence and rat models for human behaviour 9

Chapter 2
A history of adolescent binge-like alcohol exposure increases alcohol self-administration in adulthood, but leaves visuospatial attention and inhibitory response control unaffected. 39

Chapter 3
Peri-adolescent alcohol exposure brings on long-lasting spatial memory deficits. 79

Chapter 4
Varenicline attenuates cue-induced relapse to alcohol-, but not nicotine-seeking, while reducing inhibitory response control 97

Chapter 5
Disruption of long-term alcohol-related memory reconsolidation: Role of β-adrenoceptors and NMDA receptors 117

Chapter 6
General Discussion 135

7. Summary in Dutch, Nederlandse samenvatting 155

8. Acknowledgements/ Dankwoord 163

9. References 167