## Table of Contents

Acknowledgement	i
List of Abbreviations	iii
1. Introduction	1
2. Material and Methods	20
3. Expression of inducible inflammatory mediators during early stages of regeneration	38
4. The role of Cyclooxygenase-2 in Wound Epithelium formation	67
5. The role of Cyclooxygenase-2 in Blastema formation	93
6. General Considerations	116
7. Bibliography	130
Appendix: Publication from this thesis	163