



| | | |
|--|------------|-----------|
| Contents | | 1 |
| | | 2 |
| | | 3 |
| Summary | 7 | 4 |
| | | 5 |
| Abbreviations | 11 | 6 |
| | | 7 |
| Chapter 1 Introduction | 13 | 8 |
| | | 9 |
| Chapter 2 Two different GnRH forms within three distinct GnRH neuron populations in the brain of the African catfish (<i>Clarias gariepinus</i>): early development of the GnRH system | 33 | 10 |
| | | 11 |
| | | 12 |
| | | 13 |
| | | 14 |
| Chapter 3 Testosterone accelerates the development of the catfish GnRH system in the brain of immature African catfish (<i>Clarias gariepinus</i>). | 49 | 15 |
| | | 16 |
| | | 17 |
| | | 18 |
| Chapter 4 Gonadotropin-releasing hormone fibers innervate the pituitary of the male African catfish (<i>Clarias gariepinus</i>) during puberty. | 65 | 19 |
| | | 20 |
| | | 21 |
| | | 22 |
| Chapter 5 Gonadal steroids and the maturation of the species specific gonadotropin-releasing hormone system in brain and pituitary of the male African catfish (<i>Clarias gariepinus</i>). | 83 | 23 |
| | | 24 |
| | | 25 |
| | | 26 |
| | | 27 |
| Chapter 6 Functional morphology of cGnRH-II cells in the midbrain of a teleost, <i>Clarias gariepinus</i>. | 93 | 28 |
| | | 29 |
| | | 30 |
| Chapter 7 Summarizing discussion | 115 | 31 |
| | | 32 |
| References | 125 | 33 |
| | | 34 |
| Samenvatting voor iedereen | 141 | 35 |
| | | 36 |
| Dankwoord | 143 | 37 |
| | | 38 |
| Publications | 147 | 39 |
| | | 40 |
| Curriculum vitae | 149 | 41 |
| | | 42 |

