Basic Titles:

Chapter 1: Introduction

Chapter 2: Materials and Methods

Chapter 3: The evolution of phototransduction pathways

Chapter 4: The evolution of photoreceptor cells

Chapter 5: The evolution of the retinol metabolism

Chapter 6: The evolution of chemokine signalling

Chapter 7: Discussion and Conclusions

Fancier Titles:

Chapter 1: General Introduction

Chapter 2: General Materials and Methods

Chapter 3: The molecular evolution of phototransduction

Chapter 4: The evolution of photoreceptor cells in animals

Chapter 5: The evolution of the retinol metabolism and its role in the origin of vision

Chapter 6: The origin, evolution and molecular diversity of the chemokine system

Chapter 7: General Discussion and Conclusions

**Fancier Titles if Chapters 3 and 4 are merged:**

**Chapter 1: General Introduction**

**Chapter 2: General Methods**

**Chapter 3: The molecular evolution of animal phototransduction and photoreceptor cells**

**Chapter 4: The evolution of the retinol metabolism and its role in the origin of vision**

**Chapter 5: The origin, evolution and molecular diversity of the chemokine system**

**Chapter 6: General Discussion and Conclusions**