Content

List of publications

Curriculum vitae

Training and supervision plan during study

CHAPTER 1 7	
General introduction	
CHAPTER 2 23	
DNA repair genes play a variety of roles in the development of fish embryos	
CHAPTER 3 39	
Species-specific differences in DNA damage sensitivity at early developmental stages: A comparative study of sterlet (Acipenser ruthenus) and common carp (Cyprinus carpio)	
CHAPTER 4 53	
Inhibition of Atm and Atr kinases affects embryo development and the DNA damage response in sterlet (Acipenser ruthenus)	
CHAPTER 5 65	
DNA damage at an early stage affects neurodevelopment of the embryo in sterlet (Acipenser ruthenus)	
CHAPTER 6 91	
General discussion 93	
English summary 100	
Czech summary 101	
Acknowledgments 102	

103

104

105