

Contents

List of abbreviations	6
Chapter 1	9
General Introduction	
Chapter 2	23
DNA Damage Responsive miRNAs: Identification, Deregulation in Cancer and Modulation of Chemotherapy Sensitivity	
Chapter 3	43
MicroRNA Expression Profiling of 51 Human Breast Cancer Cell lines Reveals Subtype and Driver Mutation-Specific MicroRNAs	
Chapter 4	69
MiRNAs in Ovarian Cancer Biology and Therapy Resistance	
Chapter 5	85
<i>MiR-141</i> Regulates KEAP1 and Modulates Cisplatin Sensitivity in Ovarian Cancer Cells	
Chapter 6	109
<i>MiR-634</i> Restores Sensitivity to Cisplatin in Drug Resistant Ovarian Cancer Cells	
Chapter 7	129
The Kinase RSK2 Modulates the Sensitivity of Ovarian Cancer Cells to Cisplatin	
Chapter 8	143
General Discussion and Future Perspectives	
Chapter 9	157
Summary Samenvatting	
Chapter 10	165
Dankwoord Curriculum vitae List of Publications PhD Portfolio	