

Contents

Preface	v
Contributors	ix
Editing Reactions from the Perspective of RNA Structure	1
Matthias Homann	
Editing of tRNA for Structure and Function	33
Juan D. Alfonzo	
RNA Editing by Adenosine Deaminases that Act on RNA (ADARs)	51
Michael F. Jantsch and Marie Öhman	
Insertion/Deletion Editing in <i>Physarum polycephalum</i>	85
Jonatha M. Gott and Amy C. Rhee	
RNA Editing in Plant Mitochondria	105
Mizuki Takenaka, Johannes A. van der Merwe, Daniil Verbitskiy, Julia Neuwirt, Anja Zehrmann, and Axel Brennicke	
RNA Editing in Chloroplasts	123
Masahiro Sugiura	
Working Together: the RNA Editing Machinery in <i>Trypanosoma brucei</i>	143
Jason Carnes and Kenneth Stuart	
RNA Editing Accessory Factors – the Example of mHel61p	165
H. Ulrich Göringer, Michael Brecht, Cordula Böhm, and Elisabeth Kruse	
The Function of RNA Editing in Trypanosomes	181
Torsten Ochsenreiter and Stephen Hajduk	

Evolutionary Aspects of RNA Editing	199
Dave Speijer	
Index.....	229