

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 |