Contents

List of Contributors vii
Preface ix

Section 1 Introduction
1 Introduction to the volume 1
Audrey R. Chapman

2 The implications of genetic research on alcohol dependence for prevention and treatment 16
Rebecca Mathews, Adrian Carter, and Wayne Hall

3 Promises and risks for participants in studies of genetic risk for alcohol or drug dependence 31
Carl Erik Fisher, Deborah Hasin, and Paul Appelbaum

Section 2 Research ethics
4 Improving the informed consent process in research with substance-abusing participants 41
David S. Festinger and Karen L. Dugosh

5 Ethical considerations in genetic research with children affected by parental substance abuse 61
Thomas J. McMahon

6 Protecting privacy in genetic research on alcohol dependence and other addictions 84
Mark A. Rothstein

7 Certificates of Confidentiality: Uses and limitations as protection for genetic research on addiction 97
Zita Lazzarini

8 Ethical issues in human genomic databases in addiction research 108
David B. Resnik

9 Should addiction researchers accept funding derived from the profits of addictive consumptions? 122
Peter J. Adams

10 Ethical issues related to receiving research funding from the alcohol industry and other commercial interests 139
Thomas F. Babor and Katherine Robaina

Section 3 Translating addiction research
11 The public health implications of genetic research on addiction 155
Rebecca Mathews, Wayne Hall, and Adrian Carter

12 Genetics, addiction, and stigma 174
Jo C. Phelan and Bruce G. Link

13 Lay beliefs about genetic influences on the development of alcoholism: Implications for prevention 195
Toby Jayaratne, Alicia Giordimaina, and Amy Gaviglio


Table of Contents

vi Contents

14 Personalizing risk: How behavior genetics research into addiction makes the political personal 213
Jonathan M. Kaplan

Section 4 Conclusions

15 Summary and recommendations: Ethical guidance for genetic research on addiction and its translation into public policy 232
Audrey R. Chapman, Jonathan M. Kaplan, and Adrian Carter

Index 246