

CONTENTS

Foreword vii

Philip Campbell

Contributors xi

1. Introduction: Deviance, Classification, and Bioprediction 1

Irina Singh and Walter P. Sinnott-Armstrong

2. Behavioral Biomarkers: What Are They Good For? Toward the Ethical
Use of Biomarkers 12

Matthew Baum and Julian Savulescu

3. Bioprediction in Youth Justice 42

Charlotte K. Walsh

4. The Inclusion of Biological Risk Factors in Violence Risk Assessments 57

John Monahan

5. Bioprediction in Criminal Cases 77

Christopher Slobogin

6. The Limits of Legal Use of Neuroscience 91

Colin Campbell and Nigel Eastman

7. Rethinking the Implications of Discovering Biomarkers for Biologically
Based Criminality 118

Paul Root Wolpe

8. MAOA and the Bioprediction of Antisocial Behavior: Science Fact
and Science Fiction 131

Joshua W. Buckholtz and Andreas Meyer-Lindenberg

9. Genetic Biomarker Research of Callous-Unemotional Traits in Children: Implications for the Law and Policymaking 153
Essi Viding and Eamon McCrory
 10. The Neural Code for Intentions in the Human Brain 173
John-Dylan Haynes
 11. Biomarkers: Potential and Challenges 188
Michael Rutter
 12. Neuroimaging-Based Automatic Classification of Schizophrenia 206
Vince D. Calhoun and Mohammad R. Arbabshirani
- Index 231