**Contents**

Abstract i

Introduction 1

Part 1 – Genetic Enhancement: Definitions and Objections 5

Section 1. What is Genetic Enhancement? 6

1.1 Preface 6

1.2 Key Ethical Definitions of Genetic Enhancement in the Literature 9

1.2.1 Moral Distinction between Treatment and Enhancement 10

1.2.2 Enhancing General Capabilities 12

1.2.3 Increasing Personal Wellbeing 13

Section 2. Examining the Objections to Genetic Enhancement 14

2.1 Preface 14

2.2 Criticisms Based on Fallacious Arguments 14

2.2.1 Objections Based on the Assumption that it is Forbidden to Change Nature 14

2.2.2 Objections Based on Comparison to Eugenics 16

2.2.3 Objections Based on a Radical Perception of Enhancement 17

2.3 Criticisms of Genetic Enhancement under Certain Conditions 18

2.3.1 Objections to Enhancement Based on the Assumption of Lack of Knowledge 19

2.3.2 Objections to Enhancement Based on the Assumption of Injustice 19

2.4 Arguments Supporting Inverse Intervention 19

2.4.1Increasing Serotonin Leads to a Bias against Utilitarian Answers 20

2.4.2 Increasing Serotonin Strengthens the Influence of Emotion in Moral Decisions 20

2.4.3 Curtailing Revulsion of Harming Others will Lead to Negative Consequences 21

2.5 The Impact of Genetic Enhancement on Values 23

Concluding Comments to Part A 28

Part B – Does Genetic Enhancement Create a New Identity? 30

Section 1. The Problem of Identity 30

1.1 Preface 31

1.1.1 The Impersonal Approach 34

1.1.2 Combining Approaches: The Asymmetry 35

1.1.3 The Wide Person Affecting View 39

1.1.4 The Narrow Person Affecting View 41

Section 2. What is Human Identity? 45

2.1 The Connection of the Questions to the Creation of Identity by Genetic Enhancement 46

2.1.1 “What am I?” 46

2.1.2 “Personhood” 51

2.1.3 “Persistence” 60

2.1.4 “Evidence” 62

2.1.5 “Who am I?” 63

2.1.6 “How Could I Have Been?” 68

2.1.7 “Population” 73

2.1.8 “What Matters” 73

2.2 Summary 73

Section 3. Different Answers to the Question “Does Genetic Enhancement Create a New Identity?” 75

3.1 Answers to the Question that Do Not Include Reference to the Question “What are We?” 75

3.2 Answers that Include Non-Deliberate Reference to the Question “What are We?” 82

3.3 Creating Identity: Answers that Include Fallacious Reference to the Question “What are We?” 85

Part C – The Moral Value of Genetic Enhancement 89

Section 1. The Connection between the Creation of Identity and the Moral Value of the Act of Enhancement 90

1.1 Preface 90

1.2 Defining the Term “Person” in the Context of Genetic Enhancement 96

Section 2. Why is a Metaphysical Inquiry Appropriate? 96

Section 3. The Metaphysics of Identity 101

3.1 Presenting the Four-Dimensionalist and Three-Dimensionalist Theories 101

3.2 The Consequences of using Three-Dimensionalism and Four-Dimensionalism to Answer the Question “What am I?” 102

3.3 Four-Dimensionalist Theories, Universalism, and the Question of Humanity 104

3.4 Summary 106

Section 4. The Metaphysics of Identity in Light of the Metaphysics of Time 108

4.1 An Examination of the A and B Theories 108

4.2 The Connection between the B Theory and Four-Dimensionalism 110

4.3 Summary 112

Conclusion 114

Bibliography 117

Abstract I