**Contents**

Abstract i

Introduction 1

Part 1 – Genetic Enhancement: Definitions and Objections 6

Section 1. What is Genetic Enhancement? 6

 1.1 Preface 6

 1.2 Key Ethical Definitions in the Literature 7

 1.2.1 Moral Distinction between Treatment and Enhancement 7

 1.2.2 Enhancing General Capabilities 8

 1.2.3 Increasing Personal Wellbeing 9

 1.3 The Ethical Approaches Underlying the Definitions 9

 1.3.1 Ethical Distinction between Treatment and Enhancement 9

 1.3.2 The Definition of Enhancing General Capabilities 10

 1.3.3 The Definition of Increasing Personal Wellbeing 10

 1.4 The Question of Which Approach to Adopt 10

Section 2. Examining the Objections to Genetic Enhancement 12

 2.1 Preface 12

 2.2 Criticisms Based on Fallacious Arguments 13

 2.2.1 Objections Based on the Assumption that it is Forbidden to Change Nature 13

 2.2.2 Objections Based on Comparison to Eugenics 16

 2.2.3 Objections Based on a Radical Perception of Enhancement 16

 2.3 Criticisms of Genetic Enhancement under Certain Conditions 17

 2.3.1 Objections to Enhancement Based on the Assumption of Injustice 19

 2.4 Arguments Supporting Inverse Intervention 20

 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 21

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

 2.5 Arguments that are Insufficient to Prohibit Enhancement 22

 2.5.1 Objection to Enhancement Unrelated to Consequences 22

 2.5.2 Objections to Enhancement Based on Negative Social Consequences 23

Part B – Does Genetic Enhancement Create a New Identity? 26

Section 1. The Problem of Non-Identity 26

 1.1 Preface 26

 1.1.1 The Impersonal Approach 27

 1.1.2 Combining Approaches: The Asymmetry 29

 1.1.3 The Narrow Person Affecting View 32

Section 2. What is Human Identity? 35

 2.1 The Connection of the Questions to the Creation of Identity by Genetic Enhancement 35

 2.2 The Relevance of the Questions to the Creating of Identity by Genetic Enhancement 37

 2.2.1 “What am I?” 37

 2.2.2 “Personhood” 42

 2.2.3 “Persistence” 47

 2.2.4 “Evidence” 49

 2.2.5 “Who am I?” 50

 2.2.6 “How Could I Have Been?” 55

 2.3 Summary 59

Section 3. Creating Identity: Responses that Do Not Address the Metaphysical Aspect of the Issue 60

Section 4. Creating Identity: Responses that Do Address the Metaphysical Element of the Issue but Erroneously 67

Section 5. Creating Identity: Responses that Correctly Address the Metaphysical Dimension Element of the Issue 69

Part C – The Moral Value of Genetic Enhancement 72

Section 1. The Connection between the Creation of Identity and the Moral Value of the Act of Enhancement 72

 1.1 Preface 72

 1.2 Defining the Term “Person” in the Context of Genetic Enhancement 72

Section 2. Why is a Metaphysical Inquiry Appropriate? 79

Section 3. The Metaphysics of Identity 84

 3.1 Presenting Four-Dimensionalist and Three-Dimensionalist Theories 84

 3.2 The Consequences of using Three-Dimensionalism and Four-Dimensionalism to Answer the Question “What am I?” 86

 3.3 Four-Dimensionalist Theories, Universalism, and the Question of Humanity 87

 3.4 Summary 90

Section 4. The Metaphysics of Identity in Light of the Metaphysics of Time 92

 4.1 An Examination of The A and B Theories 92

 4.2 The Connection between The B Theory and Four-Dimensionalism 95

 4.3 Summary 97

Conclusion 99

Bibliography 102