Contents

Foreword	
Robert Ettinger	5
Preface	
Klaus Sames	9
Kitus Sumes	,
I Cryonics	
Physical And Biological Aspects Of Renal Vitrification	
Gregory M. Fahy, Brian Wowk, Roberto Pagotan, Alice Chang,	
John Phan, Bruce Thomson, and Laura Phan	15
Human Cryopreservation Research at Advanced Neural	
Biosciences	
Aschwin de Wolf & Chana de Wolf	45
Cryonics: Introduction and Technical Challenges	
Ben Best	61
Is Cryonics Realistic?	
Peter Gouras	79
Total Courts	,,
Internal ethical issues in cryonics	
Sebastian C. Sethe	87
Cryonics and Transhumanism – a Troubled Marriage?	
Thorsten Nahm	109
Cryonics in School Education	
Jan Welke	117

II Cryonics related topics

Organ differentiation and mortality	
Klaus Sames	123
General mechanisms of mortality and aging and their relation to cryonic	
Klaus Sames	145
The Ice Age in Cardiac Surgery and Rescue Medicine Holger Zorn	171
Cryo Storage and transport under the criterion of practical application	
Rolf A. Sommer	181
List of Contributors	189