1. Record Nr. UNINA9910966462903321

Autore	Shostak Stanley
Titolo	Becoming immortal : combining cloning and stem-cell therapy / / Stanley Shostak
Pubbl/distr/stampa	Albany, : State University of New York Press, c2002
ISBN	9780791488416 0791488411 9780585465746 0585465746
Edizione	[1st ed.]
Descrizione fisica	1 online resource (322 p.)
Disciplina	612.6
Soggetti	Human cloning Stem cells - Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. [263]-292) and index.
Nota di contenuto	Intro -- Becoming Immortal -- Contents -- Preface -- Prologue -- 1. Quo Vadis? -- WHY BECOME IMMORTAL? -- HAS LIFE CHANGED? -- "HELLO, DOLLY!" AND SALUTATIONS TO STEM CELLS -- WHY WE ARE NOT IMMORTAL OR WHAT IS LIFE ANYWAY? -- ACHIEVING IMMORTALITY THROUGH BIOTECHNOLOGY -- 2. Why Immortality Cannot Evolve -- WHERE DOES LONGEVITY COME FROM, AND WHY HAS EVOLUTION MADE US MORTAL RATHER THAN IMMORTAL? -- WHAT IS AN EVOLUTIONARY VIEW OF LONGEVITY, AND WHY ARE THE PROSPECTS SO BLEAK FOR ACHIEVING IMMORTALITY THROUGH EVOLUTION? -- AFTERWORD: IMMORTALITY TRIUMPHANT! -- 3. Why Immortality Cannot Develop -- DEVELOPMENT'S "WHO, WHERE, WHAT, WHEN, HOW, AND WHY?" -- DEVELOPMENT ACCORDING TO EMBRYOLOGISTS AND DEVELOPMENTAL BIOLOGISTS -- CONCLUSIONS -- 4. Life's Fundamental Feature: Devolution -- GETTING DOWN TO BASICS: LIFE BEGINS -- AN INTRODUCTION TO DEVOLUTION -- THE DEVOLUTION OF EUCARYA -- THE DEVOLUTION OF SEX -- THE DEVOLUTION OF METAZOA -- THE DEVOLUTION OF LIFE HISTORIES -- THE DEVOLUTION OF DEATH -- CONCLUSIONS -- 5. Making Immortals: From Blastocyst to Generator -- TAKING ANOTHER LOOK AT CLONING -- TAKING

ANOTHER LOOK AT STEM CELLS -- MAKING IMMORTALS -- MAKING GENERATORS -- Epilogue: Reprise and Prediction -- PROSPECTS FOR IMMORTALIZATION -- ADJUSTMENTS REQUIRED BY IMMORTALIZATION -- AT WHAT COST? -- Endotes -- NOTES TO PREFACE -- NOTES TO CHAPTER 1 -- NOTES TO CHAPTER 2 -- NOTES TO CHAPTER 4 -- NOTES TO CHAPTER 5 -- NOTES TO EPILOGUE -- Glossary -- Bibliography -- Index -- A -- B -- C -- D -- E -- F -- G -- H -- I -- J -- K -- L -- M -- N -- O -- P -- Q -- R -- S -- T -- U -- V -- W -- X -- Y -- Z.

Sommario/riassunto	Explores how new organs might be engineered via cloning and reproductive technology to achieve human immortality.

2.

Record Nr.	UNINA9911019926603321
Autore	Yoshida Junichi <1952->
Titolo	Flash chemistry : fast organic synthesis in microsystems / / Jun-ichi Yoshida
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2008
ISBN	9786611940119 9781281940117 1281940119 9780470723425 0470723424 9780470723418 0470723416
Descrizione fisica	1 online resource (248 p.)
Disciplina	547/.2
Soggetti	Organic compounds - Synthesis Intermediates (Chemistry) Microreactors Organic reaction mechanisms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.

Nota di contenuto

Sommario/riassunto

Have you ever wished you could speed up your organic syntheses without losing control of the reaction? Flash Chemistry is a new concept which offers an integrated scheme for fast, controlled organic synthesis. It brings together the generation of highly reactive species and their reactions in Microsystems to enable highly controlled organic syntheses on a preparative scale in timescales of a few seconds or less. Flash Chemistry: Fast Organic Synthesis in microsystems is the first book to describe this exciting new technique, with chapters covering:an introduction to f