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Biological Relatives
Childlessness in Europe: Contexts, Causes, and Consequences
Guidelines for Human Embryonic Stem Cell Research
The Immortal Life of Henrietta Lacks

TYRESE ISAIAH

Reproduction NYU Press Stem cell science has the potential to impact human reproductive medicine significantly - cutting edge technologies allow the production and regeneration of viable gametes from human stem cells offering potential to preciously infertile patients. Written by leading experts in the field Stem Cells in Reproductive Medicine brings together chapters on the genetics and epigenetics of both the male and female gametes as well as advice on the production and regeneration of gene cells in men and women, trophoblasts and endometrium from human embryonic and adult stem cells. Although focussing mainly on the practical elements of the use of stem cells in reproductive medicine, the book also contains a section on new developments in stem cell research. The book is essential reading for reproductive medicine clinicians, gynecologists and embryologists who want to keep abreast of practical developments in this rapidly developing field. **Assisting Reproductio n, Testing**

Genes Cambridge University Press Recent scientific breakthroughs, celebrity patient advocates, and conflicting religious beliefs have come together to bring the state of stem cell researchâ€"specifically embryonic stem cell researchâ€"into the political crosshairs. President Bush's watershed policy statement allows federal funding for embryonic stem cell research but only on a limited number of stem cell lines. Millions of Americans could be affected by the continuing political debate among policymakers and the public. Stem Cells and the Future of Regenerative Medicine provides a deeper exploration of the biological, ethical, and funding questions prompted by the therapeutic potential of undifferentiated human cells. In terms accessible to lay readers, the book summarizes what we know about adult and embryonic stem cells and discusses how to go about the transition from mouse studies to research that has therapeutic implications for people. Perhaps most important, Stem Cells and the Future of Regenerative Medicine also provides an overview of the moral and ethical

problems that arise from the use of embryonic stem cells. This timely book compares the impact of public and private research funding and discusses approaches to appropriate research oversight. Based on the insights of leading scientists, ethicists, and other authorities, the book offers authoritative recommendations regarding the use of existing stem cell lines versus new lines in research, the important role of the federal government in this field of research, and other fundamental issues.

Stem Cells in Reproductive Medicine

World Scientific

This book is published open access under a CC BY 4.0 license. This open access book provides an overview of childlessness throughout Europe. It offers a collection of papers written by leading demographers and sociologists that examine contexts, causes, and consequences of childlessness in countries throughout the region.The book features data from all over Europe. It specifically highlights patterns of childlessness in Germany, France, the United Kingdom, Finland, Sweden, Austria and Switzerland. An additional chapter on childlessness in the United

States puts the European experience in perspective. The book offers readers such insights as the determinants of lifelong childlessness, whether governments can and should counteract increasing childlessness, how the phenomenon differs across social strata and the role economic uncertainties play. In addition, the book also examines life course dynamics and biographical patterns, assisted reproduction as well as the consequences of childlessness. Childlessness has been increasing rapidly in most European countries in recent decades. This book offers readers expert analysis into this issue from leading experts in the field of family behavior. From causes to consequences , it explores the many facets of childlessness throughout Europe to present a comprehensive portrait of this important demographic and sociological trend.

Jean Paton and the Struggle to Reform American Adoption BRILL

DIVExamines the medical, social, and legal dimensions of the use of assisted reproductive technologies by lesbian women./div

Reproductive Ethics World Scientific

This volume looks at the

state-of-the-science in stem cells, discusses the current challenges, and examines the new directions the field is taking. Dr. Turksen, editor-in-chief of the journal "Stem Cell Reviews and Reports," has assembled a volume of internationally-known scientists who cover topics that are both clinically and research-oriented. The contents range from sources of stem cells through their physiological role in health and disease, therapeutic applications in regenerative medicine, and ethics and society. An initial overview and a final summary bookend the contents into a cohesive and invaluable volume.

Scientific and Medical Aspects of Human Reproductive Cloning

Cambridge University Press

Since 1998, the volume of research being conducted using human embryonic stem (hES) cells has expanded primarily using private funds because of restrictions on the use of federal funds for such research. Given limited federal involvement, privately funded hES cell research has thus far been carried out under a patchwork of existing regulations, many of which were not designed with this research specifically in mind. In addition, hES cell research

touches on many ethical, legal, scientific, and policy issues that are of concern to the public. This report provides guidelines for the conduct of hES cell research to address both ethical and scientific concerns. The guidelines are intended to enhance the integrity of privately funded hES cell research by encouraging responsible practices in the conduct of that research. *Allogeneic Stem Cell Transplantation* W. W. Norton & Company Written by international authorities, this book is aimed at clinicians dealing with male patients rendered infertile by cancer therapy. Stem Cells and the Future of Regenerative Medicine Cambridge University Press #1 NEW YORK TIMES BESTSELLER • "The story of modern medicine and bioethics—and, indeed, race relations—is refracted beautifully, and movingly."—Entertainment Weekly NOW A MAJOR MOTION PICTURE FROM HBO® STARRING OPRAH WINFREY AND ROSE BYRNE • ONE OF THE "MOST INFLUENTIAL" (CNN), "DEFINING" (LITHUB), AND "BEST" (THE PHILADELPHIA INQUIRER) BOOKS OF THE DECADE • ONE OF ESSENCE'S 50 MOST IMPACTFUL BLACK BOOKS

OF THE PAST 50 YEARS • WINNER OF THE CHICAGO TRIBUNE HEARTLAND PRIZE FOR NONFICTION NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review • Entertainment Weekly • O: The Oprah Magazine • NPR • Financial Times • New York • Independent (U.K.) • Times (U.K.) • Publishers Weekly • Library Journal • Kirkus Reviews • Booklist • Globe and Mail Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer who worked the same land as her slave ancestors, yet her cells—taken without her knowledge—became one of the most important tools in medicine: The first "immortal" human cells grown in culture, which are still alive today, though she has been dead for more than sixty years. HeLa cells were vital for developing the polio vaccine; uncovered secrets of cancer, viruses, and the atom bomb's effects; helped lead to important advances like in vitro fertilization, cloning, and gene mapping; and have been bought and sold by the billions. Yet Henrietta Lacks remains virtually unknown, buried in an

unmarked grave. Henrietta's family did not learn of her "immortality" until more than twenty years after her death, when scientists investigating HeLa began using her husband and children in research without informed consent. And though the cells had launched a multimillion-dollar industry that sells human biological materials, her family never saw any of the profits. As Rebecca Skloot so brilliantly shows, the story of the Lacks family—past and present—is inextricably connected to the dark history of experimentation on African Americans, the birth of bioethics, and the legal battles over whether we control the stuff we are made of. Over the decade it took to uncover this story, Rebecca became enmeshed in the lives of the Lacks family—especially Henrietta's daughter Deborah. Deborah was consumed with questions: Had scientists cloned her mother? Had they killed her to harvest her cells? And if her mother was so important to medicine, why couldn't her children afford health insurance? Intimate in feeling, astonishing in scope, and impossible to put down, The Immortal Life of Henrietta Lacks

captures the beauty and drama of scientific discovery, as well as its human consequences .

Queering Reproduction SUNY Press

Since the first successful isolation and cultivation of human embryonic stem cells at the University of Wisconsin, Madison in 1998, there has been high levels of both interest and controversy in this area of research. This book provides a concise overview of an exciting field, covering the characteristics of both human embryonic stem cells and pluripotent stem cells from other human cell lineages. The following chapters describe state-of-the-art differentiation and characterization of specific ectoderm, mesoderm and endoderm-derived lineages from human embryonic stem cells, emphasizing how these can be used to study human developmental mechanisms. A further chapter discusses genetic manipulation of human ES cells. The concluding section covers therapeutic applications of human ES cells, as well as addressing the ethical and legal issues that this research have raised.

Kin, Gene, Community Springer Science & Business Media

The specialty of fertility preservation offers patients

with cancer, who are rendered infertile by chemo- and radiotherapy, the opportunity to realize their reproductive potential. This gold-standard publication defines the specialty. The full range of techniques and scientific concepts is covered in detail, and the author team includes many of the world's leading experts in the field. The book opens with introductions to fertility preservation in both cancer and non-cancer patients, followed by cancer biology, epidemiology and treatment, and reproductive biology and cryobiology. Subsequent sections cover fertility preservation strategies in males and females, including medical/surgical procedures, ART, cryopreservation and transplantation of both ovarian tissue and the whole ovary, and in-vitro follicle growth and maturation. Concluding chapters address future technologies, as well as ethical, legal and religious issues. Richly illustrated throughout, this is a key resource for all clinicians specializing in reproductive medicine, gynecology, oncology, hematology, endocrinology and infertility.

Cut It Out

Anchor

A Nobel Prize–winning cancer biologist, leader of major scientific

institutions, and scientific adviser to President Obama reflects on his remarkable career. A PhD candidate in English literature at Harvard University, Harold Varmus discovered he was drawn instead to medicine and eventually found himself at the forefront of cancer research at the University of California, San Francisco. In this “timely memoir of a remarkable career” (American Scientist), Varmus considers a life’s work that thus far includes not only the groundbreaking research that won him a Nobel Prize but also six years as the director of the National Institutes of Health; his current position as the president of the Memorial Sloan-Kettering Cancer Center; and his important, continuing work as scientific adviser to President Obama. From this truly unique perspective, Varmus shares his experiences from the trenches of politicized battlegrounds ranging from budget fights to stem cell research, global health to science publishing.

The Molecular Biology of Fertilization

Duke University Press

Award-winning journalist Liza Mundy captures the human narratives, as well as the science,

behind the controversial, multibillion-dollar fertility industry, and examines how this huge social experiment is transforming our most basic relationships and even our destiny as a species.Skyrocketing infertility rates and dizzying technological advances are revolutionizing American families and changing the way we think about parenthood, childbirth, and life itself. Using in-depth reporting and riveting anecdotal material from doctors, families, surrogates, sperm and egg donors, infertile men and women, single and gay and lesbian parents, and children conceived through technology, Mundy explores the impact of assisted reproduction on individuals as well as the ethical issues raised and the potentially vast social consequences. The unforgettable personal stories in Everything Conceivable run the gamut from joyous to tragic; all of them raise questions we dare not ignore.

Human Cloning and Human Dignity Duke University Press

Adoption activist Jean Paton (1908–2002) fought tirelessly to reform American adoption, dedicating her life to overcoming American society's prejudices against adult adoptees and

women who give birth out of wedlock. From the 1950s until the time of her death, Paton wrote widely and passionately about the adoption experience, corresponded with policymakers as well as individual adoptees, promoted the psychological well-being of adoptees, and facilitated reunions between adoptees and their birth parents. She also led the struggle to re-open adoption records, creating a national movement that continues to this day. While “open adoption” is often now the rule for adoptions within the United States, for those in earlier eras, adopted in secrecy, the records remain sealed; many adoptees live (and die) without vital information that should be a birthright, and birth parents suffer a similar deprivation. At this writing, only seven of fifty states have open records. (Kansas and Alaska have never closed theirs.) E. Wayne Carp’s masterful biography of Jean Paton brings this neglected civil-rights pioneer and her accomplishments into the light. Paton’s ceaseless activity created the preconditions for the explosive emergence of the adoption reform movement in the 1970s. She founded the Life

History Study Center and Orphan Voyage and was also instrumental in forming two of the movement's most vital organizations, Concerned United Birthparents and the American Adoption Congress. Her unflagging efforts over five decades helped reverse social workers' harmful policy and practice concerning adoption and sealed adoption records and change lawmakers' enactment of laws prejudicial to adult adoptees and birth mothers, struggles that continue to this day. Read more about Jean Paton at http://jeanpaton.com/

Everything Conceivable Elsevier "Provides an understanding of the basic concepts in stem cell biology and addresses the politics, ethics, and challenges currently facing the field"--From publisher description.

The End of Sex and the Future of Human Reproduction Springer Human reproductive cloning is an assisted reproductive technology that would be carried out with the goal of creating a newborn genetically identical to another human being. It is currently the subject of much debate around the world, involving a variety of ethical, religious, societal, scientific, and

medical issues. Scientific and Medical Aspects of Human Reproductive Cloning considers the scientific and medical sides of this issue, plus ethical issues that pertain to human-subjects research. Based on experience with reproductive cloning in animals, the report concludes that human reproductive cloning would be dangerous for the woman, fetus, and newborn, and is likely to fail. The study panel did not address the issue of whether human reproductive cloning, even if it were found to be medically safe, would beâ€"or would not beâ€"acceptable to individuals or society.

Multiplicity Yours: Cloning, Stem Cell Research, And Regenerative Medicine

University of Michigan Press

The Molecular Biology of Fertilization focuses on the different aspects of fertilization in several models, including insects, clams, sea urchins, ascidians, cows, pigs, sheep, rats, hamsters, and humans. This book examines the experimental approaches using methods of molecular biology, cell biology, biochemistry, biophysics, immunology, and enzymology. Comprised of three parts encompassing

15 chapters, this book starts by discussing the ability of egg factors to affect sperm motility and initiate the acrosome reaction by modifying ion movements across the sperm plasma membrane. This text then provides an overview of the different aspects of egg architecture, ranging from extracellular remodeling to nuclei organization, which is involved in embryogenesis and fertilization. Finally, the last part deals with oncogenes, gene expression, and nuclear determination during embryogenesis and at fertilization. This book will be a great value to molecular biologists, cell biologists, reproductive biologists, developmental biologists, biophysicists, biochemists, geneticists, researchers, scientists, and students. Marx, Women, and Capitalist Social Reproduction Garland Science This is the first book of its kind that treats reproduction, cloning, stem cell research and regenerative medicine in an integrative manner.Touching on the science, social aspects, legal and ethical issues, and the current status of cloning, stem cell research and regenerative medicine, this self-contained book is an excellent source for introducing newcomers to

the field or broadening the perspectives of experts and practitioners.In contrast to existing books on the market, which treat each topic in isolation or sensationalize the areas, this book takes an integrative and balanced approach. The treatment is easy to grasp and clear illustrations, graphics and photos explain the key concepts. The book explains the diverse topics from a scientific angle, a social perspective, and as a natural business development. The coverage also includes the political and ethical issues as well as many other thought-provoking scenarios.

Human Embryonic Stem Cells

Crown

From contraception to cloning and pregnancy to populations, reproduction presents urgent challenges today. This field-defining history synthesizes a vast amount of scholarship to take the long view. Spanning from antiquity to the present day, the book focuses on the Mediterranean , western Europe, North America and their empires. It combines history of science, technology and medicine with social, cultural and demographic accounts. Ranging from the most intimate experiences to planetary policy, it tells new stories and revises received ideas. An international

team of scholars asks how modern 'reproduction' - an abstract process of perpetuating living organisms - replaced the old 'generation' - the active making of humans and beasts, plants and even minerals. Striking illustrations invite readers to explore artefacts, from an ancient Egyptian fertility figurine to the announcement of the first test-tube baby. Authoritative and accessible, Reproduction offers students and non-specialists an essential starting point and sets fresh agendas for research.

Becoming Immortal

Harvard University Press

In Quest for Conception, Marcia C. Inhorn portrays the poignant struggles of poor, urban Egyptian women and their attempts to overcome infertility. The author draws upon fifteen months of fieldwork in urban Egypt to present moving stories of infertile Muslim women whose tumultuous medical pilgrimages have yet to produce the desired pregnancies. Inhorn examines the devastating impact of infertility on the lives of these women, who are threatened with divorce by their husbands, harassed by their husbands' families, and ostracized by neighbors.

Fertility Preservation in Male Cancer Patients Springer Science & Business Media

Of comparative developed countries, only Brazil and Italy have higher c-section rates; c-sections occur in only 19 percent of births in France, seventeen percent of births in Japan, and sixteen percent of births in Finland. How did this happen? Here the author challenges most existing explanations of the unprecedented rise in c-section rates, which locate the cause of this trend in physicians practicing defensive medicine, women choosing c-sections for scheduling reasons, or women's poor health and older ages. The explanation of the c-section epidemic is more complicated, taking into account the power and structure of legal, political, medical, and professional organizations; gendered ideas that devalue women; hospital organizational structures and protocols; and professional standards in the medical and insurance communities.

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