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Biological Relatives-Sarah Franklin 2013-10-16 Thirty-five years after its initial success as a form of technologically assisted human reproduction, and five million miracle babies later, in vitro fertilization (IVF) has become a routine procedure worldwide. In Biological Relatives, Sarah Franklin explores how the normalization of IVF has changed the way both technology and biology are understood. Drawing on anthropology, feminist theory, and science studies, Franklin charts the evolution of IVF from an experimental research technique into a global technological platform used for a wide variety of applications, including genetic diagnosis, livestock breeding, cloning, and stem cell research. She contends that despite its ubiquity, IVF remains a highly paradoxical technology that confirms the relative and contingent nature of biology while creating new biological relatives.

Biological Relatives-Sarah Franklin 2013 Thirty-five years after its initial success as a form of technologically assisted human reproduction, and five million miracle babies later, in vitro fertilization (IVF) has become a routine procedure worldwide. In Biological Relatives, Sarah Franklin explores how the normalization of IVF has changed the way both technology and biology are understood. Drawing on anthropology, feminist theory, and science studies, Franklin charts the evolution of IVF from an experimental research technique into a global technological platform used for a wide variety of applications, including genetic diagnosis, livestock breeding, cloning, and stem cell research. She contends that despite its ubiquity, IVF remains a highly paradoxical technology that confirms the relative and contingent nature of biology while creating new biological relatives.

Human Embryonic Stem Cells-Arlene Chun 2003-08-01 A discussion of all the key issues in the use of human pluripotent stem cells for treating degenerative diseases or for replacing tissues lost from trauma. On the practical side, the topics range from the problems of deriving human embryonic stem cells and driving their differentiation along specific lineages, regulating their development into mature cells, and bringing stem cell therapy to clinical trials. Regulatory issues are addressed in discussions of the ethical debate surrounding the derivation of human embryonic stem cells and the current policies governing their use in the United States and abroad, including the rules and conditions regulating federal funding and questions of intellectual property.

Vital Forms-Jennifer Johung 2019-10-01 Shows how the intersection of biotech, art, and architecture are transforming the world we live in. In this groundbreaking study, scientist Jennifer Johung explores how art and architecture are reimagining life on cellular and subcellular levels. In the process, she maps the constantly evolving dependencies that exist between objects, bodies, and environments. From Onon Catts and Ionat Zurr’s Tissue Culture and Art Project, which developed “semi-living worry dolls,” to Patricia Piccinini’s imagined Still Life with Stem Cells, each chapter pairs a branch of contemporary biological inquiry with the artists who are revolutionizing it. Examining cutting-edge developments in biotechnological research—including tissue-engineering, stem cell science, regenerative medicine, and more—Vital Forms brings biological art and architecture into critical dialogue. Distinguished by its broad range and Johung’s synthesizing talents, Vital Forms makes powerful observations about how the unfolding dependencies between all kinds of matter are becoming vital to life in our age of biotechnological manipulations.

Scientific and Medical Aspects of Human Reproductive Cloning-National Research Council 2002-06-17 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 be ethically or would be ethically acceptable to individuals or society.

Body Talk in the Medical Humanities-Jennifer Patterson 2019-10-28 This exciting book draws on the insights and experience of 21 medical practitioners and researchers in the wider field of the medical humanities to ask fundamental questions related to illness, bodily experience, the experience and role of medical and healthcare professionals, and the contribution of language and communication to enable understanding. It opens up a range of conversations, reflections and research to present an innovative approach to the field of body studies, investigating complex questions that are associated with self and body and medical and healthcare professionals who work with bodies that are ill. Areas of pain, disability, vulnerability, life experienced through chronic conditions and the insights of listening to the ill and the dying are examined within the individual contributions. The chapters explore a range of key spaces, gaps and tensions between talk and bodies, from embodied experiences and patient-doctor relationships to negotiating institutional constraints and reading, looking and enacting as methods of improving intersubjective, relational and ethical practices.

Global Perspectives on Stem Cell Technologies-Aditya Bharadwaj 2017-10-30 This book takes as its point of departure a humble cell lying on the intersection of ideas as diverse and yet interlaced as life, knowledge, commerce, governance, and ethics. It seeks to deepen the understanding of stem cell entities and the concerns, hopes, and aspirations that shape and make them viable therapeutic entities in the context of rapid globalization. Several key intersections between individual, group, and institutional
relationships have become central to locating and debating the production of stem cells today. This edited collection addresses three overarching concerns: regenerating the notion of ethics, the emerging therapeutic horizons, and the position of the patient. As a whole this book seeks to explain how stem cells are accommodated, contested, and used in contemporary India and around the globe through an informed unpacking of issues underpinning contestation and promotion buttressing these technological developments. The authors offer a truly multi-disciplinary perspective, stimulating conversation between the social sciences, biological sciences and the patient. The concerns expressed and highlighted by these conversations are embedded in a vast geo-political expanse stretching from India to Euro-America and will be of great interest to academics and practitioners across fields including science technology studies, medicine and international development.

Stem Cells-Melinda Bonnie Fagan 2021-05-31 What is a stem cell? The answer is seemingly obvious: a cell that is also a stem, or point of origin, for something else. Upon closer examination, however, this combination of ideas leads directly to fundamental questions about biological development. A cell is a basic category of living thing; a fundamental ‘unit of life.’ A stem is a site of growth; an active source that supports or gives rise to something else. Both concepts are deeply rooted in biological thought, with rich and complex histories. The idea of a stem cell unites them, but the union is neither simple nor straightforward. This book traces the origins of the stem cell concept, its use in stem cell research today, and implications of the idea for stem cell experiments, their concrete results, and hoped-for clinical advances.

Relative Values-Sarah Franklin 2002-02-01 The essays in Relative Values draw on new work in anthropology, science studies, gender theory, critical race studies, and postmodernism to offer a radical revisiting of kinship and kinship theory. Through a combination of vivid case studies and trenchant theoretical essays, the contributors—a group of internationally recognized scholars—examine both the history of kinship theory and its future, at once raising questions that have long occupied a central place within the discipline of anthropology and moving beyond them. Ideas about kinship are vital not only to understanding but also to forming many of the practices and innovations of contemporary society. How do the cultural logics of contemporary biopolitics, commodification, and globalization intersect with kinship practices and theories? In what ways do kinship analogies inform other more clinical practices and what happens to kinship when it is created in such unfamiliar sites as biogenetic labs, new reproductive technology clinics, and the computers of artificial life scientists? How does kinship constitute—and get constituted by—the relations of power that draw lines of hierarchy and equality, exclusion and inclusion, ambivalence and violence? The contributors assess the implications for kinship of such phenomena as blood transfusions, adoption across national borders, genetic support groups, photography, and the new reproductive technologies while ranging from rural China to mid-century Africa to contemporary Norway and the United States. Addressing these and other timely issues, Relative Values injects new life into one of anthropology’s most important disciplinary traditions. Contributors. Mary Bouquet, Janet Carsten, Charis Thompson Cussins, Carol Delaney, Gillian Feeley-Harnik, Sarah Franklin, Deborah Heath, Stefan Helmreich, Signe Howell, Jonathan Marks, Susan Thompson Cussins, Carol Delaney, Gillian Feeley-Harnik, Sarah Franklin, Deborah Heath, Stefan Helmreich, Signe Howell, Jonathan Marks, Susan McKinney, Michael G. Peletz, Bayna Raju, Martine Segalen, Pauline Turner Strong, Melbourne Tapper, Karen-Sue Taussig, Kath Weston, Yuxiang Yan

Sexuality, Maternity, and (Re)productive Futures-Kazue Harada 2021-11-29 Sexuality, Maternity, and (Re)productive Futures explores how contemporary Japanese female speculative fiction writers have challenged historical inequalities of sex, gender difference, and family roles by imaging alternative worlds where sexes are fluid and childbearing crosses the boundaries of male/female, biological/bioengineered, and human/nonhuman.

Craft in Biomedical Research-Mianna Meskus 2018-05-21 This book explores the new ways in which biology is becoming technology. The revolutionary iPS cell technology has made it possible to turn human skin and blood cells into pluripotent stem cells, thus providing an unprecedented opportunity to study the pathophysiology of diseases, understand human developmental biology, and generate new therapies. Drawing from a rich ethnographic study, Meskus traces the making of the iPS cell technology through the perspectives of clinical translation, laboratory experimentation, and tissue donation by voluntary patients. Discussing non-human agency, the embodied and affective basis of knowledge production, and the material politics of science, the book develops the idea of an instrumentality-care continuum as a fundamental dynamic of biomedical craft. This continuum, Meskus argues, opens a novel perspective to the commercialization and industrial-scale appropriation of human biology, and thereby to the future of ethical biomedical research.

An Anthropology of Biomedicine-Margaret Lock 2018-01-09 In this fully revised and updated second edition of An Anthropology of Biomedicine, authors Lock and Nguyen introduce biomedicine from an anthropological perspective, exploring the entanglement of material bodies with history, environment, culture, and politics. Drawing on historical and ethnographic work, the book critiques the assumption made by the biological sciences of a universal human body that can be uniformly standardized. It focuses on the ways in which the application of biomedical technologies brings about radical changes to societies at large based on socioeconomic inequalities and ethical disputes, and develops and integrates the theory that the human body in health and illness is not an ontological given but a moveable, malleable entity. This second edition includes new chapters on: microbiology and the microbiome; global health; and, the self as a socio-technical system. In addition, all chapters have been comprehensively revised to take account of developments from within this fast-paced field, in the intervening years between publications. References and figures have also been updated throughout. This highly-regarded and award-winning textbook (Winner of the 2010 Prose Award for Anthropology and Anthropology) retains the character and features of the previous edition. Its coverage remains broad, including discussion of: biomedical technologies in practice; anthropology of medicine; biology and human experiments; infertility and assisted reproduction; genomics, epigenomics, and uncertain futures; and molecularizing racial difference, ensuring it remains the essential text for students of anthropology, medical anthropology as well as public and global health.

The Oocyte Economy-Catherine Waldby 2019-05-24 In recent years increasing numbers of women from wealthy countries have turned to egg donation, egg freezing, and other reproductive technologies while ranging from rural China to mid-century Africa to contemporary Norway and the United States. Addressing these and other timely issues, Relative Values injects new life into one of anthropology’s most important disciplinary traditions. Contributors. Mary Bouquet, Janet Carsten, Charis Thompson Cussins, Carol Delaney, Gillian Feeley-Harnik, Sarah Franklin, Deborah Heath, Stefan Helmreich, Signe Howell, Jonathan Marks, Susan McKinney, Michael G. Peletz, Bayna Raju, Martine Segalen, Pauline Turner Strong, Melbourne Tapper, Karen-Sue Taussig, Kath Weston, Yuxiang Yan

Creative Families-Jana Mikats 2021 This edited collection brings together two strands of current research in gender research through the concept of creativity. First, it addresses creativity in the context of the family, by exploring changing and newly emergent family forms and ways of creating and maintaining intimate relationships. Creativity here is understood not as just newness or originality, but as that which, in the words of Eisler and Montouri (2007), supports, nurtures, and actualizes life by increasing the number of choices open to individuals and communities. One aim of this book, therefore, is to investigate the social, collaborative, and creative interactions in contemporary family and kin formations in Europe. Second, the volume examines how new media and technologies are entering and shaping everyday family lives. Technological transformations and adaptations have not only enabled the creation of new forms of families and ways of family living, but also challenged the established constellations of gender and family arrangements. The present volume addresses these issues from multiple perspectives and in different contexts, and explores the involvement of different actors. By problematizing the creativity of becoming and doing family and kinship, the authors acknowledge the increasing fluidity of gender identities, the evolution of intimate relationships, and the permutation of technology into daily life. Jana Mikats is Lecturer in the Department of Sociology at the University of Graz, Austria. She specializes in family sociology, gender studies, and qualitative research methods. Susanne Kink-Hampersberger is Lecturer in the Department of Education Research and Teacher Education at the University of Graz, Austria. Her research interests include sociology of gender, education and technology, and feminist and queer science and technology studies. Libora Oates-Indruchova is Professor of the Sociology of Gender at the University of Graz, Austria. She is the author of Censorship in Czech and Hungarian Academic Publishing, 1969-89: Snakes and Ladders (2020) and co-editor of The Politics of Gender Culture under State Socialism: An
Bioeconomies—Vincenzo Pavone 2017-09-18 This book explores the promissory discourses and practices associated with the bioeconomy, focusing especially on the transformation of institutions; the creation, appropriation, and distribution of value; the struggle over resources, power, and meaning; and the role of altruism, kinship, and care practices. Governments and scientists are re-imagining the bioeconomy, championing it as the key to health, wealth, and sustainability, while citing it as justification to transform research and regulatory institutions, health and agricultural practices, ethics of privacy and ownership, and conceptions of self and kin. Drawing together studies from Asia, Australia, the Americas, and Europe, the book brings together a diverse range of authors to investigate how the bioeconomy is being imagined and negotiated by a variety of actors, each with their own interests, concerns, and stakes. The book takes a critical approach to the bioeconomy, examining how it is being used to explain and justify the circulation and use of human body parts and products, and the matter of immaterial labour and affective relations.
and other omics approaches aid clinicians in various areas of reproductive medicine. Identifies specific genomic and molecular factors of translational value in treating infertility and analyzing patient data. Features chapter contributions by leading international experts.

**Infertility and Non-Traditional Family Building** - Rebecca Feasey 2019-07-28 This book examines the representation of infertility, assisted reproduction, miscarriage, adoption, and surrogacy in a wide range of media, including blogs, vlogs, social media posts, and factual programming. In so doing, it illustrates how pregnancy loss, involuntary childlessness and non-traditional mothering are being depicted across the media landscape. Although the topic of motherhood has emerged as a significant area of academic debate, narratives of unsuccessful or unconventional mothering have remained largely absent, even at a time when there is a growing conversation about infertility online. Timely, pertinent, and original, the book demonstrates the importance of a broader and more informed cultural discussion about fertility and family building.

**Global Fluids** - Charlotte Krolakke 2018-07-27 In the fertility and cosmetics industries, women’s body products—such as urine, eggs, and placenta—have moved from being seen as waste to becoming valuable ingredients. Taking a sociological and anthropological perspective, the author focuses in particular on the role that countries like Denmark, Spain, the Netherlands, and Japan play in the reproductive products industry, and discusses the moral limits of the cultural and rhetorical trajectories that turn women’s body products into internationally mobile substances.

**Mattering** - Victoria Pitts-Taylor 2016-08-30 Feminists today are reimagining nature, biology, and matter in feminist thought and critically addressing new developments in biology, physics, neuroscience, epigenetics, and other scientific disciplines. Mattering, edited by noted feminist scholar Victoria Pitts-Taylor, presents contemporary feminist perspectives on the materialist or “naturalizing” turn in feminist theory, and also represents the newest wave of feminist engagement with the material world. This volume addresses the relationship between human corporeality and subjectivity, questions and redefines the boundaries of human/non-human and nature/culture, elaborates on the entanglements of matter, knowledge, and practice, and addresses biological materialization as a complex and open process. This volume insists that feminist theory can take matter and biology seriously while also accounting for power, taking materialism as a point of departure to rethink key feminist issues. The contributors, an international group of feminist theorists, scientists and scholars, apply concepts in contemporary materialist feminism to examine an array of topics in science, biotechnology, biopolitics, and bioethics. These include neural plasticity and the brain-machine interface; the use of biometrical identification technologies for transnational border control; epigenetics and the intergenerational transmission of the health effects of social stigma; ADHD and neuropharmacology; and randomized controlled trials of HIV drugs. A unique and interdisciplinary collection, Mattering presents in grounded, concrete terms the need for rethinking disciplinary boundaries and research methodologies in light of the shifts in feminist theorizing and transformations in the sciences.

**Cosmopolitan Conceptions** - Marcia C. Inhorn 2015-07-22 In their desperate quest for conception, thousands of infertile couples from around the world travel to the global in vitro fertilization (IVF) hub of Dubai. In Cosmopolitan Conceptions Marcia C. Inhorn highlights the stories of 220 “reprotravelers” from fifty countries who sought treatment at a “cosmopolitan” IVF clinic in Dubai. These couples cannot find safe, affordable, legal, and effective IVF services in their home countries, and their stories offer a window into the world of infertility—a world that is replete with pain, fear, danger, frustration, and financial burden. These hardships dispel any notion that traveling for IVF treatment is reproductive tourism. The magnitude of reprotravel to Dubai, Inhorn contends, reflects the failure of countries to meet their citizens’ reproductive needs, which suggests the necessity of creating new forms of activism that advocate for developing alternate pathways to parenthood, reducing preventable forms of infertility, supporting the infertile, and making safe and low-cost IVF available worldwide.

**When Reproduction meets Ageing** - Nolwenn Bühler 2021-05-27 When Reproduction meets Ageing questions the nature of reproductive ageing and reproductive biomedicine.

**Pluripotent Stem Cell Biology** - Craig Atwood 2014-07-02 Pluripotent stem cells have the potential to revolutionize treatment options for a range of diseases and conditions. This book presents recent advances in our understanding of the biological mechanisms of stem cell self-renewal, reprogramming and regeneration. Also covered are novel methodological advances in the culture, purification and use of stem cells, as well as the ethical and moral dilemmas of embryo donation and adoption. These advances will shape the utilization of stem cells for future basic and applied applications.

**Reproductive Technologies as Global Form** - Stefan Beck 2012-07 In the thirty-five years since the first in-vitro fertilization and other methods of reproductive assistance have become a common aspect of family life and medicine in affluent nations and, increasingly, throughout the world. How do persons seeking treatment, donors, and medical experts make use of these reproductive technologies? How in crossing borders between nations do they manage to evade legal and bioethical regulations? And how do they make sense of these new modes of making kinship against the backdrop of diverse world-views and social settings?

**Blood and Kinship** - Christopher H. Johnson 2013-01-30 The word “blood” awakens ancient ideas, but we know little about its historical representation in Western cultures. Anthropologists have customarily studied how societies think about the bodily substances that unite them, and the contributors to this volume develop those questions in new directions. Taking a radically historical perspective that complements traditional cultural analyses, they demonstrate how blood and kinship have constantly been reconfigured in European culture. This volume challenges the idea that blood can be understood as a stable entity, and shows how concepts of blood and kinship moved in both parallel and divergent directions over the course of European history.

**Lived Realities of Solo Motherhood, Donor Conception and Medically Assisted Reproduction** - Tine Ravni 2021-09-30 This book explores the empirical manifestations of the paradoxical features of reproductive technologies and provides in-depth understandings of solo motherhood through assisted reproduction and by recognising the complex experiences and the lived realities of forming donor-conceived families.

**Substantial Relations** - Sandra Bärnreuther 2021-12-15 Substantial Relations examines global reproductive medicine in India, focusing on in vitro fertilization. Since the 1970s, India has played a central but changing role in shaping global reproductive medicine: from a provider of raw material, to a producer of knowledge and technology, to a thriving medical market that attracts patients from all over the world. Substantial Relations traces this transnational trajectory from an empirical history. Drawing on ethnographic research in homes, hospitals, and laboratories, Sandra Bärnreuther provides deep insights into the intricacies of clinical life and everyday experience by depicting IVF users’ quest for offspring and their fears of establishing unwanted ties, as well as the minute engagements of clinicians and laboratory staff with reproductive substances. Thinking through substances—metaphorically and materially—Sandra Bärnreuther provides a novel and rich analysis of the various relations that the burgeoning IVF sector in India has relied on and generated. Substantial Relations contributes to a broader understanding of reproductive medicine as a global phenomenon constantly in the making, situating India in the midst of, rather than peripheral to, this process.

**How to Grow a Human** - Philip Ball 2019 The bestselling author of Critical Mass offers a cutting-edge examination of what it means to be human in the face of the latest technical developments and research in cell biology, tissue growth, organ regeneration, and treatments of cancer and dementia.

**The Palgrave Handbook of Infertility in History** - Gayle Davis 2017-09-01 This ground-breaking, interdisciplinary volume provides an overdue assessment of how infertility has been understood, treated and experienced in different times and places. It brings together scholars from disciplines including history, literature, psychology, philosophy, and the social sciences to create the first large-scale review of recent research on the history of infertility. Through exploring an unparalleled range of chronological periods and geographical regions, it develops historical perspectives on an apparently transhistorical experience. It shows how experiences of infertility, access to treatment, and medical perspectives on this ‘condition’ have been mediated by social, political, and cultural discourses. The handbook reflects on and interrogates different approaches to the history of infertility, including the potential of cross-disciplinary perspectives and the uses of different kinds of historical source material, and includes lists of...
Human Stem Cell Manual - Suzanne Peterson 2012-10-22 This manual is a comprehensive compilation of “methods that work” for deriving, characterizing, and differentiating hPSCs, written by the researchers who developed and tested the methods and use them every day in their laboratories. The manual is much more than a collection of recipes; it is intended to spark the interest of scientists in areas of stem cell biology that they may not have considered to be important to their work. The second edition of the Human Stem Cell Manual is an extraordinary laboratory guide for both experienced stem cell researchers and those just beginning to use stem cells in their work. Offers a comprehensive guide for medical and biology researchers who want to use stem cells for basic research, disease modeling, drug development, and cell therapy applications. Provides a cohesive global view of the current state of stem cell research, with chapters written by pioneering stem cell researchers in Asia, Europe, and North America. Includes new chapters devoted to recently developed methods, such as iPSC technology, written by the scientists who made these breakthroughs.

The Reproductive Industry - Vera Mackie, University of Wollongong 2019-07-24 In The Reproductive Industry, scholars explore the local and international histories of in vitro fertilization and assisted reproduction, revealing the dynamics of the evolving reproductive industry.

Revisiting the Regulation of Human Fertilisation and Embryology - Kirsty Horsey 2015-06-19 The Human Fertilisation and Embryology Act 2008 was a major update to the UK’s laws on the use and regulation of reproductive technology and assisted reproduction. Since the enactment of the new law, the sector’s regulatory body, the Human Fertilisation and Embryology Authority (HFEA), has also consulted on various related topics including barriers to egg and sperm donation in the UK, multiple births/single embryo transfer and using IVF technology to prevent mitochondrial disease. This book critically considers recent developments in human fertilisation legislation, asking whether the 2008 Act has achieved its stated aim of being fit for purpose. Bringing together a range of international experts, the book evaluates the fresh risks and challenges emerging from both established and existing technologies and techniques in the field of human fertilisation and embryology, as well as offering valuable insights into the social and regulatory challenges that lie ahead. Key topics include problems with DIY assisted conception; the lack of reform in respect of the regulation of surrogacy arrangements; and mitochondrial DNA transfer. As a review of the status of assisted reproduction legislation, this book will be of great use and interest to students, researchers and practitioners in medical law, bioethics, medicine and child welfare.

The Routledge Companion to Contemporary Anthropology - Simon Coleman 2016-11-25 The Routledge Companion to Contemporary Anthropology is an invaluable guide and major reference source for students and scholars alike, introducing its readers to key contemporary perspectives and approaches within the field. Written by an experienced international team of contributors, with an interdisciplinary range of essays, this collection provides a powerful overview of the transformations currently affecting anthropology. The volume both addresses the concerns of the discipline and comments on its construction through texts, classroom interactions, engagements with various publics, and changing relations with other academic subjects. Persuasively demonstrating that a number of key contemporary issues can be usefully analyzed through an anthropological lens, the contributors cover important topics such as globalization, law and politics, collaborative archaeology, economics, religion, citizenship and community, health, and the environment. The Routledge Companion to Contemporary Anthropology is a fascinating examination of this lively and constantly evolving discipline.

Television and the Genetic Imaginary - Sofia Bull 2019-05-30 This book examines the complex ways in which television articulates ideas about DNA in the early 21st century. Considering television’s distinct aesthetic and narrative forms, as well as its specific cultural roles, it identifies TV as a key site for the genetic imaginary. The book addresses the key themes of complexity and kinship, which function as nodes around which older essentialist notions about the human genome clash with newly emergent post-genomic sensibilities. Analysing a wide range of US and UK programmes, from science documentaries, science fiction serials and crime procedurals, to family history programmes, sitcoms and reality shows, Television and the Genetic Imaginary illustrates the extent to which molecular frameworks of understanding now permeate popular culture.