Tissue Economies Blood Organs And Cell Lines In Late Capitalism Science And Cultural Theory

Questions of the social implications of biotechnology and biological exchange (the extraction of human tissues such as blood, skin and organs for testing, storage and/or distribution for therapeutic or research purposes) have recently been brought strongly to the analytical fore across the social sciences. This book focuses on the variegated biopolitical milieus of this kind of exchange specifically in South Asia. It ranges widely theoretically, thematically, and regionally – in examining South Asian variants of and engagements with diverse modes of biological exchange: caste, gender, and blood donation in Pakistan, DNA testing amongst a former Untouchable community in south India and amongst diasporic Indians in Houston, Texas, body (cadaveric) donation in India, the use of fake blood in Bangladeshi cinema, the mobilisation of blood, hearts, and ketones to protest the Indian government's failure to provide redress or care to victims of the 1984 Bhopal industrial disaster, and blood-based political portraits and petitions in south India. In considering this complex of issues, this book extends the parameters of classic accounts of the role of substance transactions in the production of South Asian personhood into investigations of the biopolitics and economies of substance that shape people and communities in diverse parts of the subcontinent, describing findings that illuminate how local responses to the implementation of various

kinds of tissue economy both reflect and also transform socio-cultural values in South Asia. This book was published as a special issue of Contemporary South Asia. An Anthropology of Biomedicine is an exciting new introduction to biomedicine and its global implications. Focusing on the ways in which the application of biomedical technologies bring about radical changes to societies at large, cultural anthropologist Margaret Lock and her co-author physician and medical anthropologist Vinh-Kim Nguyen develop and integrate the thesis that the human body in health and illness is the elusive product of nature and culture that refuses to be pinned down. Introduces biomedicine from an anthropological perspective, exploring the entanglement of material bodies with history, environment, culture, and politics Develops and integrates an original theory: that the human body in health and illness is not an ontological given but a moveable, malleable entity Makes extensive use of historical and contemporary ethnographic materials around the globe to illustrate the importance of this methodological approach Integrates key new research data with more classical material, covering the management of epidemics, famines, fertility and birth, by military doctors from colonial times on Uses numerous case studies to illustrate concepts such as the global commodification of human bodies and body parts, modern forms of population, and the extension of biomedical technologies into domestic and intimate domains Winner of the 2010 Prose Award for Archaeology and Anthropology Icons of Life tells the engrossing and provocative story of an early twentieth-century

undertaking, the Carnegie Institution of Washington's project to collect thousands of embryos for scientific study. Lynn M. Morgan blends social analysis, sleuthing, and humor to trace the history of specimen collecting. In the process, she illuminates how a hundred-year-old scientific endeavor continues to be felt in today's fraught arena of maternal and fetal politics. Until the embryo collecting project-which she follows from the Johns Hopkins anatomy department, through Baltimore foundling homes, and all the way to China-most people had no idea what human embryos looked like. But by the 1950s, modern citizens saw in embryos an image of "ourselves unborn," and embryology had developed a biologically based story about how we came to be. Morgan explains how dead specimens paradoxically became icons of life, how embryos were generated as social artifacts separate from pregnant women, and how a fetus thwarted Gertrude Stein's medical career. By resurrecting a nearly forgotten scientific project, Morgan sheds light on the roots of a modern origin story and raises the still controversial issue of how we decide what embryos mean.

Die Buchreihe der Universität für angewandte Kunst Wien Edition Angewandte, herausgegeben von Rektor Dr. Gerald Bast, erscheint themenabhängig in den Verlagen Birkhäuser und De Gruyter. Veröffentlicht werden Sammelbände, Dokumentationen und Monografien aus den Bereichen Architektur, Bildende und Mediale Kunst, Design, Kunstwissenschaften, Kunstpädagogik und Kunstvermittlung. Die seit 2007 bestehende Reihe wird als mittlerweile in der Öffentlichkeit stark

etablierte Plattform für relevante Veröffentlichungen aus Kunst und Wissenschaft wahrgenommen. Die Bücher erscheinen in deutscher wie auch in englischer Sprache. We live in an era when all bodies are potentially 'feminised' by being rendered 'openaccess' for biomedical research and clinical practice. Adopting a theoretically sophisticated and practical approach, Property in the Body: Feminist Perspectives rejects the notion that the sale of bodily tissue enhances the freedom of the individual through an increase in moral agency. Combining feminist theory and bioethics, it also addresses the omissions which are inherent in policy analysis and academic debate. For example, whilst women's tissue is particularly central to new biotechnologies, the requirement for female labour is largely ignored in subsequent evaluation. In its fully revised second edition, this book also considers how policies and developments vary between countries and within specific areas of biomedicine itself. Most importantly, it analyses the new and emerging technologies of this field whilst returning to the core questions and fears which are inextricably linked to the commercialisation of the body. The Oxford Handbook of Comparative Health Law addresses some of the most critical issues facing scholars, legislators, and judges today. When matters of life and death literally hang in the balance, it is especially important for policymakers to get things right. Comparative analysis has become an essential component of the decision making process, and The Oxford Handbook of Comparative Health Law is the only resource available that provides such ananalysis in health law.

Marketing is among the most powerful cultural forces at work in the contemporary world, affecting not merely consumer behaviour, but almost every aspect of human behaviour. While the potential for marketing both to promote and threaten societal well-being has been a perennial focus of inquiry, the current global intellectual and political climate has lent this topic extra gravitas. Through original research and scholarship from the influential Mendoza School of Business, this book looks at marketing's ramifications far beyond simple economic exchange. It addresses four major topic areas: societal aspects of marketing and consumption; the social and ethical thought; sustainability; and public policy issues, in order to explore the wider relationship of marketing within the ethical and moral economy and its implications for the common good. By bringing together the wide-ranging and interdisciplinary contributions, it provides a uniquely comprehensive and challenging exploration of some of the most pressing themes for business and society today.

Modern ideas of freedom and human rights have been repeatedly contested and are hotly debated at the beginning of the third millennium in response to new theories, needs, and changes in the world today. This volume offers culturally diverse responses to the contemporary idea of 'freedom' from the literatures and the arts of the postcolonial world.

Recent debates about uses and abuses of the human body in medicine have highlighted the need for a thorough discussion of the ethics of the uses of bodies, both

living and dead. Thorough and comprehensive, this volume explores different views of the significance of the human body and contrasting those which regard it as a commodity or personal possession with those which stress its moral value as integral to the personal identity of individuals. The Body in Bioethics addresses a number of key questions including: Should it be legal to sell human organs for transplantation? Are public displays of plastinated bodies or public autopsies morally justifiable? Should there be restrictions on the uses of human tissue in teaching and research? Is the rapid increase in volume and range of cosmetic surgery a matter for moral concern? This careful study of moral values provides essential background to many of the current controversies in medical ethics and is essential reading for all students of law, medical law and medical ethics.

The heart is the most symbolic organ of the human body. Across cultures it is seen as the site of emotions, as well as the origin of life. We feel emotions in the heart, from the heart-stopping sensation of romantic love to the crushing sensation of despair. And yet since the nineteenth century the heart has been redefined in medical terms as a pump, an organ responsible for the circulation of the blood. Emotions have been removed from the heart as an active site of influence and towards the brain. It is the brain that is the organ most commonly associated with emotion in the modern West. So why, then, do the emotional meanings of the heart linger? Why do many transplantation patients believe that the heart, for instance, can transmit memories and emotions and why do

we still refer to emotions as 'heartfelt'? We cannot answer these questions without reference to the history of the heart as both physical organ and emotional symbol. Matters of the Heart traces the ways emotions have been understood between the seventeenth and nineteenth centuries as both physical entities and spiritual experiences. With reference to historical interpretations of such key concepts as gender, emotion, subjectivity and the self, it also addresses the shifting relationship from heart to brain as competing centres of emotion in the West... Bodies and body parts of the dead have long been considered valuable material for use in medical science. Over time and in different places, they have been dissected, autopsied, investigated, harvested for research and therapeutic purposes, collected to turn into museum and other specimens, and then displayed, disposed of, and exchanged. This book examines the history of such activities, from the early nineteenth century through to the present, as they took place in hospitals, universities, workhouses, asylums and museums in England, Australia and elsewhere. Through a series of case studies, the volume reveals the changing scientific, economic and emotional value of corpses and their contested place in medical science. This book analyzes the reasons for organ shortage and ventures innovative ideas for approaching this problem. It presents 29 contributions from a highly interdisciplinary group of world experts and upcoming professionals in the field. Every year thousands of patients die while waiting for organ transplantation. Health authorities, medical

professionals and bioethicists worldwide point to the urgent and yet unsolved problem of organ shortage, which will be even intensified due to the increasing life expectancy. Even though the practical problem seems to be well known, the search for suitable solutions continues and often restricts itself by being limited through disciplinary and national borders. Combining philosophical reflection with empirical results, this volume enables a unique insight in the ethics of organ transplantation and offers fresh ideas for policymakers, health care professionals, academics and the general public. Life and Money uncovers the contentious history of the boundary between economy and politics in liberalism. Ute Tellmann traces the shifting ontologies for defining economic necessity. She argues that our understanding of the malleability of economic relations has been displaced by colonial hierarchies of civilization and the biopolitics of the nation. Bringing economics into conversation with political theory, cultural economy, postcolonial thought, and history, Tellmann gives a radically novel interpretation of scarcity and money in terms of materiality, temporality, and affect. The book investigates the conceptual shifts regarding economic order during two moments of profound crisis in the history of liberalism. In the wake of the French Revolution, Thomas Robert Malthus's notion of population linked liberalism to a sense of economic necessity that stands counter to political promises of equality. During the Great Depression, John Maynard Keynes's writings on money proved crucial for the invention of macroeconomic theory and signaled the birth of the managed economy. Both

periods, Tellmann shows, entail a displacement of the malleability of the economic. By tracing this conceptual history, Life and Money opens up liberalism, including our neoliberal present, to a new sense of economic and political possibility. The advancement of the life sciences and the technosciences has enhanced the longevity of citizens in the Western world, and half of the generation born in the first decade of the new millennium is now expected to live to the age of one hundred years. In a society with such longevity and affluence, consumption of health-related goods and services such as pharmaceuticals and scanning procedures may be seen as a sustainable source of income for the industries that promote it. Though the healthcare sector has traditionally been organized in the public sector in Europe and in the private sector in the US, the recent advancement of new therapies and direct-to-consumer marketing have opened up new streams of consumption and revenue for health care goods and services around the globe. This book examines the so-called 'bioeconomy' as a new economic and commercial field that emphasizes the management of individual life, including the regulation and control of weight and food consumption and other issues pertaining to individual well-being. In addition, the bioeconomy includes a variety of practices based on commercial interests such as organ donations, reproductive medicine and technologies, and what has been referred to as the tissue economy – the various forms of trade with human tissues. Author Alexander Styhre provides a thorough introduction to the bioeconomy, exploring this new and unique

intersection of the life sciences and the technosciences with more traditional consumer markets.

Our tissues, genes, and organs are becoming, in the words of the head of one pharmaceutical company, 'the currency of the future'. From the trafficking of women for their eggs to 'beauty junkies', Dickenson reveals the ingenious ways that body parts are converted into profits. Drawing on 20 years of insider knowledge, Dickenson's sweeping exploration goes beyond the horror stories to suggest a range of strategies to bring the global biotechnology industry to heel.

Unique in focus and international in scope, this book brings together 10 essays about the material, metaphorical, and symbolic importance of blood. An interdisciplinary study that unites the work of noted historians and anthropologists Incorporates insights from recent work in symbolism, kinship studies, medical anthropology, the anthropology of religion, the sociological study of finance, and textual analysis Covers topics such as Medieval European conceptions of blood; blood and the brain; blood and the cultural study of finance; and blood types, identity, and association in twentieth-century America DIVA cultural studies account of how the "bio-value" of blood, stem cells, organs, and cell lines moves back and forth between 'gift' and 'commodity'./div

How should the law deal with the challenges of advancing biotechnology? This book is a philosophical and legal re-analysis.

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 science enthusiasts worldwide are embracing 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, this volume encompasses subjects as diverse as regenerative medicine, population health research, agricultural finance, biobanking, assisted reproduction, immigration, breastfeeding, self-help groups, GM fish, and mining sewage.

As the use of human body parts has become increasingly commercialized, a need has arisen for new approaches to regulation that moves beyond the paradigm of altruism. During the course of this discussion, the notion of property has become a key concept. Focusing on practical and conceptual perspectives, the multidisciplinary group of authors, which includes specialists in philosophy, law, sociology, biology and medicine, have come together with practicing lawyers to consider both legal provisions and patterns of regulation in countries across Europe. Identifying divergences between different legal traditions, the authors explore various conceptual models which could be used to improve and to guide policy making. With this twin focus on practical and

conceptual perspectives, this volume sets the standard for a detailed and innovative discussion of issues surrounding the regulation of research on human tissue. The natural world is marked by an ever-increasing loss of varied habitats, a growing number of species extinctions, and a full range of new kinds of dilemmas posed by global warming. At the same time, humans are also working to actively shape this natural world through contemporary bioscience and biotechnology. In Cloning Wild Life, Carrie Friese posits that cloned endangered animals in zoos sit at the apex of these two trends, as humans seek a scientific solution to environmental crisis. Often fraught with controversy, cloning technologies, Friese argues, significantly affect our conceptualizations of and engagements with wildlife and nature. By studying animals at different locations, Friese explores the human practices surrounding the cloning of endangered animals. She visits zoos—the San Diego Zoological Park, the Audubon Center in New Orleans, and the Zoological Society of London—to see cloning and related practices in action, as well as attending academic and medical conferences and interviewing scientists, conservationists, and zookeepers involved in cloning. Ultimately, she concludes that the act of recalibrating nature through science is what most disturbs us about cloning animals in captivity, revealing that debates over cloning become, in the end, a site of political struggle between different human groups. Moreover, Friese explores the implications of the social role that animals at the zoo play in the first place—how they are viewed, consumed, and used by humans for our own needs. A

unique study uniting sociology and the study of science and technology, Cloning Wild Life demonstrates just how much bioscience reproduces and changes our ideas about the meaning of life itself.

Blood, according to Gil Anidjar, maps the singular history of Christianity. As a category for historical analysis, blood can be seen through its literal and metaphorical uses as determining, sometimes even defining Western culture, politics, and social practices and their wide-ranging incarnations in nationalism, capitalism, and law. Engaging with a variety of sources, Anidjar explores the presence and the absence, the making and unmaking of blood in philosophy and medicine, law and literature, and economic and political thought from ancient Greece to medieval Spain, from the Bible to Shakespeare and Melville. The prevalence of blood in the social, juridical, and political organization of the modern West signals that we do not live in a secular age into which religion could return. Flowing across multiple boundaries, infusing them with violent precepts that we must address, blood undoes the presumed oppositions between religion and politics, economy and theology, and kinship and race. It demonstrates that what we think of as modern is in fact imbued with Christianity. Christianity, Blood fiercely argues, must be reconsidered beyond the boundaries of religion alone.

Reading Vampire Gothic Through Blood examines the manifestations of blood and vampires in various texts and contexts. It seeks to connect, through blood, fictional to real-life vampires to trace similarities, differences and discontinuities. These

movements will be seen to parallel changing notions about embodiment and identity in culture.

The dark side of body part trading operates in a dynamic fashion, full of mystery, intrigue, and ambition. On the one hand, black and gray markets are illegal, but also pioneering and inventive; and although this type of criminal activity requires a level of dexterity and innovation, the point should not be lost that these markets thrive and flourish, sometimes in view of law. On the other hand, altruistic body part procurement is mired by low participation, which encourages black market transactions. Thousands of sick patients die each year without the hope of receiving an organ or bone marrow donation through the altruistic procurement system, so they turn to the dark side. This book offers a frank conversation about altruism in the global body market. It exposes how researchers exploit their patients' ignorance to harvest tissue samples, blood, and other biologics without consent for research and patent development. The book chronicles exploitation in the name of altruism, including the nonconsensual use of children in dangerous clinical trials, and analyzes social and legal commitments to the value of altruism - offering an important critique of the vulnerability of altruism to corruption, coercion, pressure, and other negative externalities.

This book addresses organ transplantation from a psychoanalytical perspective. Where other authors consider topics of informed consent, scarcity and organ trade, Zwart explores the ways in which the practice fundamentally challenges our basic experience

and image of the body, revolving around issues such as embodiment, ownership and bodily integrity. In organ transplantation, the body emerges as something which we simultaneously have and are—constituting a whole, as well as a set of partial objects that can be transplanted and replaced, donated and sold.

Medical therapy, research and technology enable us to make our bodies, or parts of them, available to others in an increasing number of ways. This is the case in organ, tissue, egg and sperm donation as well as in surrogate motherhood and clinical research. Bringing together leading scholars working on the ethical, social and cultural aspects of such bodily exchanges, this cutting-edge book develops new ways of understanding them. Bodily Exchanges, Bioethics and Border Crossing both probes the established giving and selling frameworks for conceptualising bodily exchanges in medicine, and seeks to develop and examine another, less familiar framework: that of sharing. A framework of sharing can capture practices that involve giving up and giving away part of one's body, such as organ and tissue donation, and practices that do not, such as surrogacy and research participation. Sharing also recognizes the multiple relationalities that these exchanges can involve and invites inquiry into the context in which they occur. In addition, the book explores the multiple forms of border crossing that bodily exchanges in medicine involve, from the physical boundaries of the body to relational borders – as can happen in surrogacy – to national borders and the range of ethical issues that these various border-crossings can give rise to. Engaging with

anthropology, sociology, philosophy, and feminist and postcolonical perspectives, this is an original and timely contribution to contemporary bioethics in a time of increasing globalization. It will be of use to students and researchers from a range of humanities and social science backgrounds as well as medical and other healthcare professionals with an interest in bioethics.

The steady expansion of the European Union's involvement in health over the past 20 years has been accelerated by recent events. This handbook offers an up-to-date analytical overview of the most important topics in EU health law and policy. It outlines, as far as possible, the direction of travel for each topic and suggests research agenda(s) for the future.

An examination of ethical challenges that technology presents to the allegedly sacrosanct idea of the human and a proposal for a new ethics of life rooted in the philosophy of alterity. Bioethical dilemmas—including those over genetic screening, compulsory vaccination, and abortion—have been the subject of ongoing debates in the media, among the public, and in professional and academic communities. But the paramount bioethical issue in an age of digital technology and new media, Joanna Zylinska argues, is the transformation of the very notion of life. In this provocative book, Zylinska examines many of the ethical challenges that technology poses to the allegedly sacrosanct idea of the human. In doing so, she goes beyond the traditional understanding of bioethics as a matter for moral philosophy and medicine to propose a

new "ethics of life" rooted in the relationship between the human and the nonhuman (both animals and machines) that new technology prompts us to develop. After a detailed discussion of the classical theoretical perspectives on bioethics, Zylinska describes three cases of "bioethics in action," through which the concepts of "the human," "animal," and "life" are being redefined: the reconfiguration of bodily identity by plastic surgery in a TV makeover show; the reduction of the body to two-dimensional genetic code; and the use of biological material in such examples of "bioart" as Eduardo Kac's infamous fluorescent green bunny. Zylinska addresses ethics from the interdisciplinary perspective of media and cultural studies, drawing on the writings of thinkers from Agamben and Foucault to Haraway and Hayles. Taking theoretical inspiration in particular from the philosophy of alterity as developed by Jacques Derrida, Emmanuel Levinas, and Bernard Stiegler, Zylinska makes the case for a new nonsystemic, nonhierarchical bioethics that encompasses the kinship of humans, animals, and machines.

Developments in health, science and technology have long provided fertile analytical ground for social science disciplines. This book focuses on the critical and enduring importance of core concepts in anthropology and sociology for interrogating and keeping pace with developments in the life sciences. The authors consider how transformations in medical and scientific knowledge serve to reanimate older controversies, giving new life to debates about relations between society, culture,

knowledge and individuals. They reflect on the particular legacies and ongoing relevance of concepts such as 'culture', 'society', 'magic', 'production', 'kinship', 'exchange' and 'the body'. The chapters draw on the work of key historical and contemporary figures across the social sciences and include a range of illustrative case studies to explore topics such as transplant medicine, genetic counselling, cancer therapy, reproductive health and addiction. Of particular interest to students and scholars of anthropology, sociology, and science and technology studies, this volume will also be a valuable resource for those working in the fields of health and medicine. 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 nonhuman 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 up a novel perspective to the commercialization and industrial-scale appropriation of human biology, and thereby to the future of ethical biomedical

research.

Gothic fiction's focus on the irrational and supernatural would seem to conflict with science fiction's rational foundations. However, as this novel collection demonstrates, the two categories often intersect in rich and revealing ways. Analyzing a range of works—including literature, film, graphic novels, and trading card games—from the past three decades through the lens of this hybrid genre, this volume examines their engagement with the era's dramatic changes in communication technology, medical science, and personal and global politics.

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While the traffic in human organs stirs outrage and condemnation, donations of such material are perceived as highly ethical. In reality, the line between illicit trafficking and admirable donation is not so sharply drawn. Those entangled in the legal, social, and commercial dimensions of transplanting organs must reconcile motives, bureaucracy, and medical desperation. Matching Organs with Donors: Legality and Kinship in Transplants examines the tensions between law and practice in the world of organ transplants—and the inventive routes patients

may take around the law while going through legal processes. In this sensitive ethnography, Marie-Andrée Jacob reveals the methods and mindsets of doctors, administrators, gray-sector workers, patients, donors, and sellers in Israel's living kidney transplant bureaus. Matching Organs with Donors describes how suitable matches are identified between donor and recipient using terms borrowed from definitions of kinship. Jacob presents a subtle portrait of the shifting relationships between organ donors/sellers, patients, their brokers, and hospital officials who often accept questionably obtained organs. Jacob's incisive look at the cultural landscapes of transplantation in Israel has wider implications. Matching Organs with Donors deepens our understanding of the law and management of informed consent, decision-making among hospital professionals, and the shadowy borders between altruism and commerce.

Giving Blood represents a new agenda for blood donation research. It explores the diverse historical and contemporary undercurrents that influence how blood donation takes place, and the social meanings that people attribute to the act of giving blood. Drawing from empirical studies conducted in the United States, Canada, France, Australia, China, India, Latin America and Africa, the book's chapters turn our attention to the evolution of blood donation worldwide, examining: the impact of technology advances on blood collection practices the

shifting approaches to donor recruitment and retention the governance and policy issues associated with the establishment of blood clinics the political and legal challenges of regulating blood systems. This innovative examination moves the focus from individual explanations of rates of blood donation to a social, structural explanation. It will appeal to international scholars and students working in the areas of sociology, medical anthropology, health care, public policy, socio-legal studies, comparative politics, organizational management, health and illness, the history of medicine, and public health ethics.

This book explores the relationship between politics, ethics and law in risk governance involving multi-valued human biological materials, such as blood. The use of biologics – drugs made from living organisms – has raised specific scientific, industrial, medical and legal issues. The essays contained in this collection each deal with a case study of a biologic substance, or group of biologics, and its use during the twentieth century.

Veins of Devotion details recent collaborations between guru-led devotional movements and public health campaigns to encourage voluntary blood donation in northern India. Focusing primarily on Delhi, Jacob Copeman carefully situates the practice within the context of religious gift-giving, sacrifice, caste, kinship, and nationalism. The book analyzes the operations of several high-profile religious

orders that organize large-scale public blood-giving events and argues that blood donation has become a site not only of frenetic competition between different devotional movements, but also of intense spiritual creativity. Providing the first overview of Asia's emerging biosciences landscape, this timely and important collection brings together ethnographic case studies on biotech endeavors such as genetically modified foods in China, clinical trials in India, blood collection in Singapore and China, and stem-cell research in Singapore, South Korea, and Taiwan. While biotech policies and projects vary by country, the contributors identify a significant trend toward state entrepreneurialism in biotechnology, and they highlight the ways that political thinking and ethical reasoning are converging around the biosciences. As ascendant nations in a region of postcolonial emergence, with an "uncanny surplus" in population and pandemics, Asian countries treat their populations as sources of opportunity and risk. Biotech enterprises are allied to efforts to overcome past humiliations and restore national identity and political ambition, and they are legitimized as solutions to national anxieties about food supplies, diseases, epidemics, and unknown biological crises in the future. Biotechnological responses to perceived risks stir deep feelings about shared fate, and they crystallize new ethical configurations, often re-inscribing traditional

beliefs about ethnicity, nation, and race. As many of the essays in this collection illustrate, state involvement in biotech initiatives is driving the emergence of "biosovereignty," an increasing pressure for state control over biological resources, commercial health products, corporate behavior, and genetic basedidentities. Asian Biotech offers much-needed analysis of the interplay among biotechnologies, economic growth, biosecurity, and ethical practices in Asia. Contributors Vincanne Adams Nancy N. Chen Stefan Ecks Kathleen Erwin Phuoc V. Le Jennifer Liu Aihwa Ong Margaret Sleeboom-Faulkner Kaushik Sunder Rajan Wen-Ching Sung Charis Thompson Ara Wilson Over the last decade, infectious disease outbreaks have heightened fears of a catastrophic pandemic passing from animals to humans. From Ebola and bird flu to swine flu and MERS, zoonotic viruses are killing animals and wreaking havoc on the people living near them. Given this clear correlation between animals and viral infection, why are animals largely invisible in social science accounts of pandemics, and why do they remain marginal in critiques of global public health? In Viral Economies, Natalie Porter draws from long-term research on bird flu in Vietnam to chart the pathways of scientists, NGO workers, state veterinarians, and poultry farmers as they define and address pandemic risks. Porter argues that as global health programs expand their purview to include life and livestock,

they weigh the interests of public health against those of commercial agriculture, rural tradition, and scientific innovation. Porter challenges human-centered analyses of pandemics and shows how dynamic and often dangerous human-animal relations take on global significance as poultry and their pathogens travel through global livestock economies and transnational health networks. Viral Economies urges readers to think critically about the ideas, relationships, and practices that produce our everyday commodities, and that shape how we determine the value of life--both human and nonhuman.

This book addresses the debate usually tagged as being about 'markets in human body parts' which is antagonistically divided into pro-market and antimarket positions. The author provides a set of propositions about how to approach this and shows a way out of the concrete impasse of it. Assumptions about markets and bodies that characterize this debate are analyzed and described while the author argues that these assumptions are in fact constitutive for exchanges of human bodily material – but in unacknowledged ways. It is concluded that what we need is a different analytical approach to better understand the mechanisms at play when organizations exchange organs, tissues and cells for use in transplantation and fertility medicine. ?

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