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Wright in Racine Edinburgh University Press
Data sharing can accelerate new discoveries by avoiding duplicative trials, stimulating new ideas for research, and enabling the maximal scientific knowledge and benefits to be gained from the efforts of clinical trial participants and investigators. At the same time, sharing clinical trial data presents risks, burdens, and challenges. These include the need to protect the privacy and honor the consent of clinical trial participants; safeguard the legitimate economic interests of sponsors; and

guard against invalid secondary analyses, which could undermine trust in clinical trials or otherwise harm public health. Sharing Clinical Trial Data presents activities and strategies for the responsible sharing of clinical trial data. With the goal of increasing scientific knowledge to lead to better therapies for patients, this book identifies guiding principles and makes recommendations to maximize the benefits and minimize risks. This report offers guidance on the types of clinical trial data available at different points in the process, the points in the process at which each type of data should be shared, methods for sharing data, what groups should have access to data, and future knowledge and infrastructure needs. Responsible sharing of clinical trial data will allow other investigators to replicate published findings and carry out additional analyses, strengthen the evidence base for regulatory and clinical decisions, and increase

the scientific knowledge gained from investments by the funders of clinical trials. The recommendations of Sharing Clinical Trial Data will be useful both now and well into the future as improved sharing of data leads to a stronger evidence base for treatment. This book will be of interest to stakeholders across the spectrum of research--from funders, to researchers, to journals, to physicians, and ultimately, to patients.

Oil Spills Penguin

Engineers, scientists, and technologists will find here, for the first time, a clear and comprehensive account of applications of ultrasonics in the field of process control. Using numerous examples of high-volume, low-cost applications, the author illustrates how the use of new transducer materials and designs, combined with microprocessor-based electronics, make technical and financial sense for concepts that only a few years ago might have been of interest only to academicians. Some of the important topics covered include coupling, acoustic isolation, transducer and sensor design, and signal detection in the presence of noise.

Concepts, Methodologies, Tools, and Applications Harvard Education Press

2017 PROSE Award Honorable Mention The PROSE Awards draw attention to pioneering works of research and for contributions to the conception, production, and design of landmark works in their fields. Featuring peer-reviewed contributions from noted experts in their fields of research, *Reproducibility: Principles, Problems, Practices, and Prospects* presents state-of-the-art approaches to reproducibility, the

gold standard of sound science, from multi- and interdisciplinary perspectives. Including comprehensive coverage for implementing and reflecting the norm of reproducibility in various pertinent fields of research, the book focuses on how the reproducibility of results is applied, how it may be limited, and how such limitations can be understood or even controlled in the natural sciences, computational sciences, life sciences, social sciences, and studies of science and technology. The book presents many chapters devoted to a variety of methods and techniques, as well as their epistemic and ontological underpinnings, which have been developed to safeguard reproducible research and curtail deficits and failures. The book also investigates the political, historical, and social practices that underlie reproducible research in contemporary science studies, including the difficulties of good scientific practice and the ethos of reproducibility in modern innovation societies. *Reproducibility: Principles, Problems, Practices, and Prospects* is a guide for researchers who are interested in the general and overarching questions behind the concept of reproducibility; for active scientists who are confronted with practical reproducibility problems in their everyday work; and for economic stakeholders and political decision makers who need to better understand the challenges of reproducibility. In addition, the book is a useful in-depth primer for undergraduate and graduate-level courses in scientific methodology and basic issues in the philosophy and sociology of science from a modern perspective. "A comprehensive, insightful treatment of the reproducibility challenges facing science today and of ways in which the scientific community can address them." Kathleen Hall Jamieson, Elizabeth Ware Packard Professor of Communication, University of Pennsylvania "How can we make sure that reproducible research remains a key imperative of scientific communication under increasing commercialization,

media attention, and publication pressure? This handbook offers the first interdisciplinary and fundamental treatment of this important question.” Torsten Hothorn, Professor of Biostatistics, University of Zurich Harald Atmanspacher, PhD, is Associate Fellow and staff member at Collegium Helveticum, ETH and University Zurich and is also President of the Society for Mind-Matter Research. He has pioneered advances in complex dynamical systems research and in a number of topics concerned with the relation between the mental and physical. Sabine Maasen, PhD, is Professor for Sociology of Science and Director of the Munich Center for Technology in Society (TU Munich) and Associate Fellow at Collegium Helveticum (ETH and University Zurich). Her research focuses on the interface of science, technology, and society, notably with respect to neuroscience and its applications.

The Immortal Life of Henrietta Lacks Crown

A concise introduction to the basics of open access, describing what it is (and isn't) and showing that it is easy, fast, inexpensive, legal, and beneficial. The Internet lets us share perfect copies of our work with a worldwide audience at virtually no cost. We take advantage of this revolutionary opportunity when we make our work “ open access ” : digital, online, free of charge, and free of most copyright and licensing restrictions. Open access is made possible by the Internet and copyright-holder consent, and many authors, musicians, filmmakers, and other creators who depend on royalties are understandably unwilling to give their consent. But for 350 years, scholars have written peer-reviewed journal articles for impact, not for money, and are free to consent to open access without losing revenue. In this concise introduction, Peter Suber tells us what open access is and isn't, how it benefits authors and readers of research, how we pay for it, how it avoids copyright problems, how it has moved from the periphery to the mainstream, and what its future may

hold. Distilling a decade of Suber's influential writing and thinking about open access, this is the indispensable book on the subject for researchers, librarians, administrators, funders, publishers, and policy makers.

Gene Future Springer Nature

Universal Design in Higher Education looks at the design of physical and technological environments at institutions of higher education; at issues pertaining to curriculum and instruction; and at the full array of student services. Universal Design in Higher Education is a comprehensive guide for researchers and practitioners on creating fully accessible college and university programs. It is founded upon, and contributes to, theories of universal design in education that have been gaining increasingly wide attention in recent years. As greater numbers of students with disabilities attend postsecondary educational institutions, administrators have expressed increased interest in making their programs accessible to all students. This book provides both theoretical and practical guidance for schools as they work to turn this admirable goal into a reality. It addresses a comprehensive range of topics on universal design for higher education institutions, thus making a crucial contribution to the growing body of literature on special education and universal design. This book will be of unique value to university and college administrators, and to special education researchers, practitioners, and activists.

Their Role in the Epidemiology and Control of Trypanosomosis Walter de Gruyter GmbH & Co KG

In the modern era each new innovation poses its own special ethical dilemma. How can human society adapt to these new

forms of expression, commerce, government, citizenship, and learning while holding onto its ethical and moral principles? The Changing Scope of Technoethics in Contemporary Society is a critical scholarly resource that examines the existing intellectual platform within the field of technoethics. Featuring coverage on a broad range of topics such as ethical perspectives on internet safety, technoscience, and ethical hacking communication, this book is geared towards academicians, researchers, and students seeking current research on domains of technoethics.

Wrap Contracts and Personal Genomics W. W. Norton & Company

This book sets out the conditions under which the need for a new approach to the production of architecture in the twenty-first century is established, where our homes and cities are facing increasing pressures from environmental challenges that are compromising our lives and well being. Vibrant architecture embodies a new kind of architectural design practice that explores how lively materials, or 'vibrant matter', may be incorporated into our buildings to confer on them some of the properties of living things, such as movement, growth, sensitivity and self-repair. The theoretical and practical implications of how this may occur are explored through the application of a new group of materials. Characteristically, these substances possess some of the properties of living systems but may not have the full status of being truly alive. They include forms of chemical artificial life such as 'dynamic droplets' or synthetically produced soils. As complex systems, they are able to communicate directly with the natural world using a shared language of chemistry and so, negotiate their

continued survival in a restless world. Vibrant architecture may create new opportunities for architectural design practice that venture beyond top-down form-finding programs, by enabling architects to co-design in partnership with human and nonhuman collectives, which result from the production of post natural landscapes. Ultimately, vibrant architecture may operate as an ecological platform for human development that augments the liveliness of our planet, rather than diminishes it.

Gasotransmitters: novel regulators of ion channels and transporters HarperCollins

The censorship and surveillance of individuals, societies, and countries have been a long-debated ethical and moral issue. In consequence, it is vital to explore this controversial topic from all angles. Censorship, Surveillance, and Privacy: Concepts, Methodologies, Tools, and Applications is a vital reference source on the social, moral, religious, and political aspects of censorship and surveillance. It also explores the techniques of technologically supported censorship and surveillance.

Highlighting a range of topics such as political censorship, propaganda, and information privacy, this multi-volume book is geared towards government officials, leaders, professionals, policymakers, media specialists, academicians, and researchers interested in the various facets of censorship and surveillance.

Chemical Genomics Springer

In September, 1976, the International Federation for Cell Biology held its first congress in Boston. On this occasion Berlin was chosen as the site for the next congress. This meant an acknowledgement and at the same time a heavy burden for the still young European Cell Biology

Organization, which represents a junction of European societies and groups for cell biology. In practical terms, this meant that the members of the young and, compared to the American Society for Cell Biology, small German Society for Cell Biology had to do a good deal of the organizing of the Cell Biology Congress. This is an opportunity for me, as Chairman of the Organizing Committee, and also on behalf of the German Society for Cell Biology, to express my gratitude to all those who have actively participated in the preparations for this Cell Biology Congress. The success of the Congress in Berlin was to a significant extent due to their work. In particular, I would like to especially thank the Secretary General of ECBO Werner Franke, Heidelberg, as well as the Chairman of the Local Organizing Committee, Peter Giesbrecht, Berlin, for the excellent job they did. The Congress in Berlin proved to be significantly larger than that in Boston in 1976. The number of abstracts increased from 1200 to more than 1800. They have been published in the European Journal of Cell Biology. In a similar way the number of symposia and workshops expanded.

A Policy at War With Itself National Academies Press

The news media has become a key arena for staging environmental conflicts. Through a range of illuminating examples ranging from climate change to oil spills, Media, Environment and the Network Society provides a timely and far-reaching analysis of the media politics of contemporary environmental debates.

[The Search for the Origin of COVID-19](#) IGI Global

Racine, Wisconsin, which celebrates its role as invention city, welcomed the architectural innovations of Frank Lloyd Wright and is now the site of many examples of Wright's designs of private homes and public structures. Hertzberg, photography

director at the Racine Journal Times, has created a history of Wright's work in Racine using photograph

Transcultural Nursing - E-Book Elsevier Health Sciences

"You read with a rising sense of despair and outrage, and you finish it as if awakening from a nightmare only Kafka could have conceived."--Christopher Lehmann-Haupt, New York Times David Baltimore won the Nobel Prize in medicine in 1975. Known as a wunderkind in the field of immunology, he rose quickly through the ranks of the scientific community to become the president of the distinguished Rockefeller University. Less than a year and a half later, Baltimore resigned from his presidency, citing the personal toll of fighting a long battle over an allegedly fraudulent paper he had collaborated on in 1986 while at MIT. From the beginning, the Baltimore case provided a moveable feast for those eager to hold science more accountable to the public that subsidizes its research. Did Baltimore stonewall a legitimate government inquiry? Or was he the victim of witch hunters? The Baltimore Case tells the complete story of this complex affair, reminding us how important the issues of government oversight and scientific integrity have become in a culture in which increasingly complicated technology widens the divide between scientists and society.

The Deadly Politics of Industrial Pollution Academic Press

Provide quality care for clients from culturally diverse backgrounds! Transcultural Nursing, 8th Edition shows you how to apply assessment and intervention strategies to individuals from a variety of different cultures. Based on Giger and Davidhizer's unique transcultural model, this text helps you design culturally sensitive care with use of the six key aspects of cultural assessment: communication, time, space, social organization, environmental control, and biologic variations. Written by nursing educators Joyce Newman Giger and Linda G. Haddad, Transcultural Nursing shows how an understanding of cultural variations and individual patient needs will help you provide safe and

effective care. UNIQUE! The six key aspects of cultural assessment each receive a full chapter of coverage, allowing you to also apply the Transcultural Assessment Model to cultures not covered in the text. Case studies and critical decision-making questions help you apply the assessment framework to practice. 23 chapters on specific cultural groups apply this assessment model to the clients most commonly encountered in United States health care settings, with nearly all chapters written by contributors who are part of that ethnic group. Client care plans in culture-specific chapters show how to apply principles to the needs of individuals. Review questions reinforce your understanding of cultural principles, with answers found in the back of the book. Discussions of spirituality throughout the text provide a holistic, integrated approach to culture, beliefs, and assessment. NEW co-author Dr. Linda Haddad is an internationally recognized cultural scholar who has taught nursing around the globe, has acted as an advisor and coordinator for the World Health Organization, and has published over 30 scholarly articles on nursing with a focus on understanding the cultural implication to care. UPDATED! Cultural chapters are completely revised to reflect the shifting experiences of cultural groups in our society.

Fostering Integrity in Research Springer Science & Business Media

"As Lee so wisely and eloquently cautions, there may be perils along this pathway as well as miraculous discoveries. Do dangers lurk in this new technological approach to nature? May we unwittingly be doing irreparable harm to individuals, not to mention the biosphere? This perceptive author even-handedly assesses the controversies surrounding the perils that may await us as molecular science moves out of the laboratory and into our

homes and environment. This fascinating and comprehensive volume shows that the time has come to confront our gene future, because our gene future is now."--Jacket

Sharing Clinical Trial Data Univ of California Press

Domestic livestock in Africa are of importance not only as a source of milk and meat but also as a source of animal traction enabling farmers to cultivate larger areas, with crops providing the staple foods.

Trypanosomosis, a parasitic disease transmitted cyclically by the tsetse fly (*Glossina* spp.), is arguably still the main constraint to livestock production on the continent, preventing full use of the land to feed the rapidly increasing human population. Sleeping sickness, the disease caused in humans by species of *Trypanosoma*, is an important and neglected disease posing a threat to millions of people in tsetse-infested areas. Often wrongly thought of as a disease of the past, the prevalence of human sleeping sickness is increasing in many areas. Although alternative methods to control the disease are being investigated, such as immunological approaches, use of chemotherapy or exploitation of the trypanotolerance trait, it is only control or eradication of the tsetse fly vector which will remove the threat of the disease rather than providing a better means of "living" with it. As a result of the economic impact of tsetse-transmitted Trypanosomosis, a large amount of research literature has been produced. This book provides a comprehensive review of this literature. The text is divided into four parts: tsetse biology and ecology, epidemiology, vector control and control of trypanosomosis. The book is invaluable for medical and veterinary entomologists, parasitologists and epidemiologists.

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A new virus descended on the human species in 2019 wreaking

unprecedented havoc. Finding out where it came from and how it first jumped into people is an urgent priority, but early expectations that this would prove an easy question to answer have been dashed. Nearly two years into the pandemic, the crucial mystery of the origin of SARS-CoV-2 is not only unresolved but has deepened. In this uniquely insightful book, a scientist and a writer join forces to try to get to the bottom of how a virus whose closest relations live in bats in subtropical southern China somehow managed to begin spreading among people more than 1,500 kilometres away in the city of Wuhan. They grapple with the baffling fact that the virus left none of the expected traces that such outbreaks usually create: no infected market animals or wildlife, no chains of early cases in travellers to the city, no smouldering epidemic in a rural area, no rapid adaptation of the virus to its new host—human beings. To try to solve this pressing mystery, Viral delves deep into the events of 2019 leading up to 2021, the details of what went on in animal markets and virology laboratories, the records and data hidden from sight within archived Chinese theses and websites, and the clues that can be coaxed from the very text of the virus's own genetic code. The result is a gripping detective story that takes the reader deeper and deeper into a metaphorical cave of mystery. One by one the authors explore promising tunnels only to show that they are blind alleys, until, miles beneath the surface, they find themselves tantalisingly close to a shaft that leads to the light.

Ultrasonic Measurements for Process Control Oxford University Press
This text covers new techniques and applications in chemical genomics for researchers, professionals and graduates in biology, biomedicine and

chemistry.

The Architect's Vision for One American City Cambridge University Press
Environmental Health I Health Care Policy I History Of Medicine --

The Fourth Industrial Revolution Garland Science

The Oxford Handbook of Cyber Security presents forty-eight chapters examining the technological, economic, commercial, and strategic aspects of cyber security, including studies at the international, regional, and national level.

Detection and the Prevention of Leaks from Dams KW Publishers Pvt Ltd

The field of cardiothoracic surgery continues to evolve at a rapidly expanding rate. New technologies are under constant development and as patients present with more advanced pathophysiology and complex comorbidities, management becomes more dependent on multi-disciplinary Teams. While there are a variety of innovative and high-profile topics that dominate the literature and the interests of clinicians, sometimes it is the basics both in terms of acute and sometimes unusual problems that often challenge cardiothoracic surgeons on a day to day basis. The goal of Principles and Practice of Cardiothoracic Surgery is to hopefully highlight the current state of the art management of these problems.