

Fraud In The Lab The High Stakes Of Scientific Res

On the Fringe Michael D. Gordin.2021-03-23 Everyone has heard of the term pseudoscience, typically used to describe something that looks like science, but is somehow false, misleading, or unproven. Many would be able to agree on a list of things that fall under its umbrella-- astrology, phrenology, UFOlogy, creationism, and eugenics might come to mind. But defining what makes these fields pseudo is a far more complex issue. It has proved impossible to come up with a simple criterion that enables us to differentiate pseudoscience from genuine science. Given the virulence of contemporary disputes over the denial of climate change and anti-vaccination movements--both of which display allegations of pseudoscience on all sides-- there is a clear need to better understand issues of scientific demarcation. On the Fringe explores the philosophical and historical attempts to address this problem of demarcation. This book argues that by understanding doctrines that are often seen as antithetical to science, we can learn a great deal about how science operated in the past and does today. This exploration raises several questions: How does a doctrine become demonized as pseudoscientific? Who has the authority to make these pronouncements? How is the status of science shaped by political or cultural contexts? How does pseudoscience differ from scientific fraud? Michael D. Gordin both answers these questions and guides readers along a bewildering array of marginalized doctrines, looking at parapsychology (ESP), Lysenkoism, scientific racism, and alchemy, among others, to better understand the struggle to define what science is and is not, and how the controversies have shifted over the centuries. On the Fringe provides a historical tour through many of these fringe fields in order to provide tools to think deeply about scientific controversies both in the past and in our present.

Corrupt Cultures: Cheating In Science And Society Roy Yorke Calne.2021-10-04 This book is concerned with cheating in Science and the harm that it does, concentrating on three disasters in cell culture, which caused international concern and personal tragedy for the perpetrators. There is an overview of plant, animal and human cheating, providing a background to the focus on Science. This demands a special form of truth in that claims need to be substantiated by repetition in independent laboratories to confirm that the claims work. The nature of originality is examined in art and Science. An attempt has been made to determine the background and motives for cheating in Science in the certain knowledge that it will be unmasked leading to scandal. Advice is given to the young Scientist and suggestions have been made as to how fraud in Science could be reduced by more regulated supervision. There is a need to revise the regulations and assessment of claims of originality and the whole review process of journals to avoid publishing fake data. This text is unusual in focusing on three well-documented cases. The data should not have been published in high impact journals if more rigorous review had been made. Journals should require independent repetition of claims that seem to be 'too good to be true'. This little book should be of considerable interest to young scientists, historians of science and editors of scientific journals. The general reader might find it fascinating to learn how science works or does not work.

Science and Representative Democracy Mauro Dorato.2023-03-23 Mauro Dorato charts pressing debates within the philosophy of science that centre around scientific expertise, access to knowledge, consensus, debate, and decision-making. This English-language translation of *Disinformazione Scientifica e Democrazia* argues that the advancement of science depends on an exponential process of specialization, accompanied by the creation of technical languages that are less and less accessible to the general public. Dorato reveals how such a process must align with representative forms of democracies, in which knowledge and decision-making ought to aim at the society's general interest. Given the importance of the principle of competence, however, the role of experts as mediators of knowledge threatens the citizens' autonomy of choice. Consequently, the

risk of technocratic regimes calls for new ways to increase literacy about science and its philosophical and probabilistic foundations. Stressing the conceptual conflict between pluralism and conformism, Science and Representative Democracy reveals the obstacles to the functioning of both science and democracy.

Responsible Conduct of Research Adil E. Shamoo, David B. Resnik. 2009-02-12 Recent scandals and controversies, such as data fabrication in federally funded science, data manipulation and distortion in private industry, and human embryonic stem cell research, illustrate the importance of ethics in science. Responsible Conduct of Research, now in a completely updated second edition, provides an introduction to the social, ethical, and legal issues facing scientists today.

The Value of Theorizing Alexander Styhre. 2024-03-14 In this compelling book, Alexander Styhre presents a comprehensive analysis of the role and purpose of theory within the university setting. Critiquing current university governance practices which assess research quality based on citation frequency data, Styhre proposes a measure of research quality based on contentful concepts in the space of reason.

Fostering Integrity in Research National Academies of Sciences, Engineering, and Medicine, Policy and Global Affairs, Committee on Science, Engineering, Medicine, and Public Policy, Committee on Responsible Science. 2018-01-13 The integrity of knowledge that emerges from research is based on individual and collective adherence to core values of objectivity, honesty, openness, fairness, accountability, and stewardship. Integrity in science means that the organizations in which research is conducted encourage those involved to exemplify these values in every step of the research process. Understanding the dynamics that support or distort practices that uphold the integrity of research by all participants ensures that the research enterprise advances knowledge. The 1992 report Responsible Science: Ensuring the Integrity of the Research Process evaluated issues related to scientific responsibility and the conduct of research. It provided a valuable service in describing and analyzing a very complicated set of issues, and has served as a crucial basis for thinking about research integrity for more than two decades. However, as experience has accumulated with various forms of research misconduct, detrimental research practices, and other forms of misconduct, as subsequent empirical research has revealed more about the nature of scientific misconduct, and because technological and social changes have altered the environment in which science is conducted, it is clear that the framework established more than two decades ago needs to be updated. Responsible Science served as a valuable benchmark to set the context for this most recent analysis and to help guide the committee's thought process. Fostering Integrity in Research identifies best practices in research and recommends practical options for discouraging and addressing research misconduct and detrimental research practices.

Responsible Science Institute of Medicine, National Academy of Engineering, National Academy of Sciences, Committee on Science, Engineering, and Public Policy, Panel on Scientific Responsibility and the Conduct of Research. 1993-02-01 Volume II of Responsible Science includes background papers and selected institutional reports, policies, and procedures that were used to develop Volume I. Topics discussed include traditions of mentorship in science; data handling practices in the biological sciences; academic policies and standards governing the conduct of research practices; congressional interest in issues of misconduct and integrity in science; the regulatory experience of human subjects research; and the roles of scientific and engineering societies in fostering research integrity. The panel also considers numerous institutional policy statements adopted by research universities and professional societies that address different aspects of misconduct or integrity in science. These statements have been selected to convey the diverse approaches for addressing such matters within research institutions.

Science Fictions Stuart Ritchie. 2020-07-21 An insider's view of science reveals why many scientific results cannot be relied upon - and how the system can be reformed. Science is how we understand the world. Yet failures in peer review and mistakes in statistics have rendered a shocking number of scientific studies useless - or, worse, badly misleading. Such errors have distorted our knowledge in fields as wide-ranging as medicine, physics, nutrition, education, genetics, economics, and the

search for extraterrestrial life. As *Science Fictions* makes clear, the current system of research funding and publication not only fails to safeguard us from blunders but actively encourages bad science - with sometimes deadly consequences. Stuart Ritchie's own work challenging an infamous psychology experiment helped spark what is now widely known as the "replication crisis," the realization that supposed scientific truths are often just plain wrong. Now, he reveals the very human biases, misunderstandings, and deceptions that undermine the scientific endeavor: from contamination in science labs to the secret vaults of failed studies that nobody gets to see; from outright cheating with fake data to the more common, but still ruinous, temptation to exaggerate mediocre results for a shot at scientific fame. Yet *Science Fictions* is far from a counsel of despair. Rather, it's a defense of the scientific method against the pressures and perverse incentives that lead scientists to bend the rules. By illustrating the many ways that scientists go wrong, Ritchie gives us the knowledge we need to spot dubious research and points the way to reforms that could make science trustworthy once again.

Ethics in Science John D'Angelo.2012-03-27 Providing the tools necessary for robust debate, *Ethics in Science: Ethical Misconduct in Scientific Research* explains various forms of scientific misconduct and describes ethical controversies that have occurred in research. The first part of the book includes a description of a variety of ethical violations, why they occur, how they are handled,

An Insider's Guide to Academic Medicine David C. Aron.2023-02-11 This book serves as an insider's guide to careers in academic medicine. The author shares his 45 years of experience as a clinician, teacher, researcher, and administrator. His journey has often taken unpredictable turns and the book offers practical guidance to becoming a successful physician scientist in academic medicine, or to become a successful clinician affiliated with an academic medical center. Divided into four parts, the book begins by focusing on academic medicine as a complex system. This is followed by parts on academic duties, academic life, and concludes with words of wisdom. These sections and subsequent chapters are tied together by the scholarships of discovery, teaching, application, and integration. To pursue research, practice, teaching, and administration, scholarship should be the core value of every physician.

Never Waste a Good Crisis Klaas Sijtsma.2023-06-15 This book covers statistical consequences of breaches of research integrity such as fabrication and falsification of data, and researcher glitches summarized as questionable research practices. It is unique in that it discusses how unwarranted data manipulation harms research results and that questionable research practices are often caused by researchers' inadequate mastery of the statistical methods and procedures they use for their data analysis. The author's solution to prevent problems concerning the trustworthiness of research results, no matter how they originated, is to publish data in publicly available repositories and encourage researchers not trained as statisticians not to overestimate their statistical skills and resort to professional support from statisticians or methodologists. The author discusses some of his experiences concerning mutual trust, fear of repercussions, and the bystander effect as conditions limiting revelation of colleagues' possible integrity breaches. He explains why people are unable to mimic real data and why data fabrication using statistical models stills falls short of credibility. Confirmatory and exploratory research and the usefulness of preregistration, and the counter-intuitiveness of statistics, are discussed. The author questions the usefulness of statistical advice concerning frequentist hypothesis testing, Bayes-factor use, alternative statistics education, and reduction of situational disturbances like performance pressure, as stand-alone means to reduce questionable research practices when researchers lack experience with statistics.

Fraud in the Lab Nicolas Chevassus-au-Louis.2019-08-13 From a journalist and former lab researcher, a penetrating investigation of the explosion in cases of scientific fraud and the factors behind it. In the 1970s, a scientific scandal about painted mice hit the headlines. A cancer researcher was found to have deliberately falsified his experiments by coloring transplanted mouse skin with ink. This widely publicized case of scientific misconduct marked the beginning of an epidemic of fraud that plagues the scientific community today. From manipulated results and made-up data to retouched illustrations and plagiarism, cases of scientific fraud have skyrocketed in the

past two decades, especially in the biomedical sciences. *Fraud in the Lab* examines cases of scientific misconduct around the world and asks why this behavior is so pervasive. Nicolas Chevassus-au-Louis points to large-scale trends that have led to an environment of heightened competition, extreme self-interest, and emphasis on short-term payoffs. Because of the move toward highly specialized research, fewer experts are qualified to verify experimental findings. And the pace of journal publishing has exacerbated the scientific rewards system—publish or perish holds sway more than ever. Even when instances of misconduct are discovered, researchers often face few consequences, and falsified data may continue to circulate after an article has been retracted. Sharp and damning, this exposé details the circumstances that have allowed scientific standards to decline. *Fraud in the Lab* reveals the intense social pressures that lead to fraud, documents the lasting impact it has had on the scientific community, and highlights recent initiatives and proposals to reduce the extent of misconduct in the future.

SCIENTIFIC FRAUD (Part 2) .1991

Uncertainty and Its Discontents Peter J. Katzenstein.2022-07-07 This volume considers worldviews as foundational concepts for world politics.

The Great Betrayal David L. Phillips.2018-11-29 The twentieth century saw dramatic changes in the once Kurd-dominated Kirkuk region of Iraq. Despite having repeatedly relied on the Kurdish population of Iraq for military support, on three occasions the United States have abandoned their supposed allies in Kirkuk. The Great Betrayal provides a political and diplomatic history of the Kirkuk region and its international relations from the 1920s to the present day. Based on first-hand interviews and previously unseen sources, it provides an accessible account of a region at the very heart of America's foreign policy priorities in the Middle East. In September 2017, Iraqi Kurdistan held an independence referendum, intended to be a starting point on negotiations with the Iraqi Government in Baghdad on the terms of a friendly divorce. Though the US, Turkey, and Iran opposed it, the referendum passed with 93% of the vote. Rather than negotiate, Iraq's Prime Minister Heider al-Abadi issued an ultimatum and then attacked the region. Iraq's Kurdish population have been abandoned, once again, by their supposed allies in the US. In this book, David L. Phillips reveals the failings of America's policies towards Kirkuk and the devastating effects of betraying an ally.

Stealing Into Print Marcel Chotkowski LaFollette.1992 Difficult to put down. . . . I have studied these issues for the better part of a decade and learned from this book not only about new cases but also about the intersection of law, science, and government.--Daryl E. Chubin, author of *Peerless Science: Peer Review in United States Science Policy* Thoughtful, clear, and very well written . . . will be the basis of how the issues are defined, what the options and their problems are, and what other features lurk on the horizon.--Lawrence Badash, University of California, Santa Barbara

Fraud in Biomedical Research United States. Congress. House. Committee on Science and Technology. Subcommittee on Investigations and Oversight.1981

Plastic Fantastic Eugenie Samuel Reich.2009-05-12 Discusses the scientific scandal that arose when researchers at Bell Laboratories discovered that wunderkind physicist Jan Hendrik Schön falsified his data to prove that he had discovered a simpler way to make transistors, which would have drastically improved energy technology.

Error and Fraud Geoffrey Webb.2021-06-21 This fascinating book gives readers an appreciation of how biomedical research should work and how the reality is all too often seriously flawed. Explaining the logical basis of the different research approaches used by biomedical research scientists and their relative merits, it will help readers to make more realistic appraisal of media reports linking aspects of lifestyle, environment or diet to health outcomes and thus judge whether such claims are a real effect worthy of consideration for behavior change or deserving of further research resources. Key features: increases awareness of research fraud and some of the characteristics of fraudulent science and scientific fraudsters shows that whilst outright fraud may be uncommon, fudging of results to help achieve statistical significance may be more prevalent incorporates real-life case studies highlighting some of the infamous cases of research fraud and

major scientific mistakes and the impact that they have had provides a convenient overview of the research process in the biomedical sciences, with a focus on research strategy rather than individual methods find supplemental detail on the author's blog <https://drgeoffnutrition.wordpress.com/about/> By raising awareness of the possibility that research data may have been dishonestly generated and outlining some of the signs and symptoms that might suggest data fabrication, *Error and Fraud: The Dark Side of Biomedical Research* will help students and researchers to identify the strengths and limitations of different research approaches and allow them to make a realistic evaluations of their own and others' research findings.

Combating academic fraud Max A. Eckstein.2003

Public research and private knowledge - science in times of diverse research funding Jon Leefmann, Julia Böttcher, Michael Jungert, Christoph J. Merdes, Sebastian Schuol.2023-02-28

Error and Fraud Geoffrey P. Webb.2021-06-21 This fascinating book gives readers an appreciation of how biomedical research should work and how the reality is all too often seriously flawed.

Explaining the logical basis of the different research approaches used by biomedical research scientists and their relative merits, it will help readers to make more realistic appraisal of media reports linking aspects of lifestyle, environment or diet to health outcomes and thus judge whether such claims are a real effect worthy of consideration for behavior change or deserving of further research resources. Key features: increases awareness of research fraud and some of the characteristics of fraudulent science and scientific fraudsters shows that whilst outright fraud may be uncommon, fudging of results to help achieve statistical significance may be more prevalent incorporates real-life case studies highlighting some of the infamous cases of research fraud and major scientific mistakes and the impact that they have had provides a convenient overview of the research process in the biomedical sciences, with a focus on research strategy rather than individual methods find supplemental detail on the author's blog <https://drgeoffnutrition.wordpress.com/about/> By raising awareness of the possibility that research data may have been dishonestly generated and outlining some of the signs and symptoms that might suggest data fabrication, *Error and Fraud: The Dark Side of Biomedical Research* will help students and researchers to identify the strengths and limitations of different research approaches and allow them to make a realistic evaluations of their own and others' research findings.

Pseudoscience Allison B. Kaufman, James C. Kaufman.2019-03-12 Case studies, personal accounts, and analysis show how to recognize and combat pseudoscience in a post-truth world. In a post-truth, fake news world, we are particularly susceptible to the claims of pseudoscience. When emotions and opinions are more widely disseminated than scientific findings, and self-proclaimed experts get their expertise from Google, how can the average person distinguish real science from fake? This book examines pseudoscience from a variety of perspectives, through case studies, analysis, and personal accounts that show how to recognize pseudoscience, why it is so widely accepted, and how to advocate for real science. Contributors examine the basics of pseudoscience, including issues of cognitive bias; the costs of pseudoscience, with accounts of naturopathy and logical fallacies in the anti-vaccination movement; perceptions of scientific soundness; the mainstream presence of "integrative medicine," hypnosis, and parapsychology; and the use of case studies and new media in science advocacy. Contributors David Ball, Paul Joseph Barnett, Jeffrey Beall, Mark Benisz, Fernando Blanco, Ron Dumont, Stacy Ellenberg, Kevin M. Folta, Christopher French, Ashwin Gautam, Dennis M. Gorman, David H. Gorski, David K. Hecht, Britt Marie Hermes, Clyde F. Herreid, Jonathan Howard, Seth C. Kalichman, Leif Edward Ottesen Kennair, Arnold Kozak, Scott O. Lilienfeld, Emilio Lobato, Steven Lynn, Adam Marcus, Helena Matute, Ivan Oransky, Chad Orzel, Dorit Reiss, Ellen Beate Hansen Sandseter, Kavin Senapathy, Dean Keith Simonton, Indre Viskontas, John O. Willis, Corrine Zimmerman

Scientific Fraud United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Oversight and Investigations.1992

The Scientific Method J. Scott Armstrong, Kesten C. Green.2022-06-30 The scientific method delivers prosperity, yet scientific practice has become subject to corrupting influences from within

and without the scientific community. This essential reference is intended to help remedy those threats. The authors identify eight essential criteria for the practice of science and provide checklists to help avoid costly failures in scientific practice. Not only for scientists, this book is for all stakeholders of the broad enterprise of science. Science administrators, research funders, journal editors, and policymakers alike will find practical guidance on how they can encourage scientific research that produces useful discoveries. Journalists, commentators, and lawyers can turn to this text for help with assessing the validity and usefulness of scientific claims. The book provides practical guidance and makes important recommendations for reforms in science policy and science administration. The message of the book is complemented by Nobel Laureate Vernon L. Smith's foreword, and an afterword by Terence Kealey.

Research Ethics for Students in the Social Sciences Jaap Bos.2020-10-16 This open access textbook offers a practical guide into research ethics for undergraduate students in the social sciences. A step-by-step approach of the most viable issues, in-depth discussions of case histories and a variety of didactical tools will aid the student to grasp the issues at hand and help him or her develop strategies to deal with them. This book addresses problems and questions that any bachelor student in the social sciences should be aware of, including plagiarism, data fabrication and other types of fraud, data augmentation, various forms of research bias, but also peer pressure, issues with confidentiality and questions regarding conflicts of interest. Cheating, 'free riding', and broader issues that relate to the place of the social sciences in society are also included. The book concludes with a step-by-step approach designed to coach a student through a research application process.

Fraud and Misconduct in Research Nachman Ben-Yehuda,Amalya Oliver-Lumerman.2017-10-05 A clear-eyed examination of research misconduct, and how efforts to expose and prevent it affect scientists and universities

The Great Betrayal Horace Freeland Judson.2004 The author exposes numerous cases of scientific fraud and explains the reasons behind them, discussing peer review and revealing the failures of the current academic, government, and legal institutions charged with monitoring the scientific community.

Fraud in the Lab Nicolas Chevassus-au-Louis.2019-08-13 From manipulated results and fake data to retouched illustrations and plagiarism, cases of scientific fraud have skyrocketed in the past two decades. In a damning exposé, Nicolas Chevassus-au-Louis details the circumstances enabling the decline in scientific standards and highlights efforts to curtail future misconduct.

Scientific Misconduct and Its Cover-up Solomon Rivlin.2004 The book describes a true and detailed account of a scientific misconduct case involving two department chairmen in a major medical school, the whistle blowing that exposed their misdeeds, the attempts of cover-up by the university administration and the retaliatory actions of the administration against the whistleblower. The book also describes how the leadership of one of the largest scientific societies in the US has chosen not to investigate a charge of signature forgery on a Society's form . The charge was filed against a member of the society who happened to be one of the chairmen involved in the scientific misconduct case described in the book. While experts on the topic continuously assuring the public that scientific misconduct continues to be newsworthy because it continues to be rare, no one really knows whether such rarity is due only to a few bad apples or to a successful cover-up by university administrators whose job is to protect their institution's reputation and to assure the continuation of extramural research funding. At times when the financial stakes are very high for both the perpetrator scientist and the university that is benefiting from his research grants, the lone whistleblower finds himself even more isolated and against much larger forces, and ultimately, he/she pays a much greater price for blowing the whistle. This book thus exposes for the first time the length to which administrations of some academic institutions are willing to go to prevent the public from hearing about the misdeeds perpetrated by some of their scientists.

Laboratory Life Bruno Latour,Steve Woolgar.2013-04-04 This highly original work presents laboratory science in a deliberately skeptical way: as an anthropological approach to the culture of the scientist. Drawing on recent work in literary criticism, the authors study how the social world of

the laboratory produces papers and other texts,' and how the scientific vision of reality becomes that set of statements considered, for the time being, too expensive to change. The book is based on field work done by Bruno Latour in Roger Guillemin's laboratory at the Salk Institute and provides an important link between the sociology of modern sciences and laboratory studies in the history of science.

Maintaining the Integrity of Scientific Research .1990

The Baltimore Case: A Trial of Politics, Science, and Character Daniel J. Kevles.2000-01-17

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.

Pseudoscience: a Very Short Introduction Michael D. Gordin.2023-04-27 Everyone has heard of the term pseudoscience, typically used to describe something that looks like science, but is somehow false, misleading, or unproven. Many would be able to agree on a list of things that fall under its umbrella - astrology, phrenology, UFOlogy, creationism, and eugenics might come to mind. But defining what makes these fields pseudo is a far more complex issue. It has proved impossible to come up with a simple criterion that enables us to differentiate pseudoscience from genuine science. Given the virulence of contemporary disputes over the denial of climate change and anti-vaccination movements - both of which display allegations of pseudoscience on all sides - there is a clear need to better understand issues of scientific demarcation. Pseudoscience: A Very Short Introduction explores the philosophical and historical attempts to address this problem of demarcation. This book argues that by understanding doctrines that are often seen as antithetical to science, we can learn a great deal about how science operated in the past and does today. This exploration raises several questions: How does a doctrine become demonized as pseudoscientific? Who has the authority to make these pronouncements? How is the status of science shaped by political or cultural contexts? How does pseudoscience differ from scientific fraud? Michael D. Gordin both answers these questions and guides readers along a bewildering array of marginalized doctrines, looking at parapsychology (ESP), Lysenkoism, scientific racism, and alchemy, among others, to better understand the struggle to define what science is and is not, and how the controversies have shifted over the centuries. Pseudoscience: A Very Short Introduction provides a historical tour through many of these fringe fields in order to provide tools to think deeply about scientific controversies both in the past and in our present.

The Big Ideas in Science Jon Evans.2020-01-23 By the simple expedient of asking questions and conducting experiments to answer them, science has transformed our understanding of the world. It has made us who we are, and revealed a universe that is older, bigger and stranger than we could ever have imagined. The Big Ideas in Science is an accessible and easy-to-use introduction to the scientific world, what it has achieved over the past few hundred years and what it promises for the future. Covering everything from the Big Bang to global warming, it provides everything you need to know in one book. You will learn what science has discovered about matter, space, energy, life, weather and information, and how we have transformed these discoveries into our modern technologies. You will witness the birth of the solar system, follow ocean currents for thousands of miles, ride on beams of light and, ultimately, gain a deeper understanding of issues as complex as global warming, and as controversial as synthetic life. ABOUT THE SERIES The Complete

Introduction series from Teach Yourself is the ultimate one-stop guide for anyone wanting a comprehensive and accessible entry point into subjects as diverse as philosophy, mathematics, psychology, economics and practical electronics. Loved by students and perfect for general readers who simply want to learn more about the world around them, these books are your first choice for discovering something new.

Honor in Science C. Ian Jackson.1986

The Responsible Conduct of Research in the Health Sciences National Research Council, Institute of Medicine, Committee on the Responsible Conduct of Research.1989-02-01

Scientific Fraud United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Oversight and Investigations.1989

Intuition Allegra Goodman.2006-02-28 Hailed as “a writer of uncommon clarity” by the New Yorker, National Book Award finalist Allegra Goodman has dazzled readers with her acclaimed works of fiction, including such beloved bestsellers as *The Family Markowitz* and *Kaaterskill Falls*. Now she returns with a bracing new novel, at once an intricate mystery and a rich human drama set in the high-stakes atmosphere of a prestigious research institute in Cambridge, Massachusetts. Sandy Glass, a charismatic publicity-seeking oncologist, and Marion Mendelssohn, a pure, exacting scientist, are codirectors of a lab at the Philpott Institute dedicated to cancer research and desperately in need of a grant. Both mentors and supervisors of their young postdoctoral protégés, Glass and Mendelssohn demand dedication and obedience in a competitive environment where funding is scarce and results elusive. So when the experiments of Cliff Bannaker, a young postdoc in a rut, begin to work, the entire lab becomes giddy with newfound expectations. But Cliff’s rigorous colleague—and girlfriend—Robin Decker suspects the unthinkable: that his findings are fraudulent. As Robin makes her private doubts public and Cliff maintains his innocence, a life-changing controversy engulfs the lab and everyone in it. With extraordinary insight, Allegra Goodman brilliantly explores the intricate mixture of workplace intrigue, scientific ardor, and the moral consequences of a rush to judgment. She has written an unforgettable novel.

Maintaining the Integrity of Scientific Research United States. Congress. House. Committee on Science, Space, and Technology. Subcommittee on Investigations and Oversight.1990

The Enigmatic Realm of **Fraud In The Lab The High Stakes Of Scientific Res**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Fraud In The Lab The High Stakes Of Scientific Res** a literary masterpiece penned by way of a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those that partake in its reading experience.

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Fraud In The Lab The High Stakes Of Scientific Res Introduction

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