

The Physician Scientists Career Guide By Mark J Eisenberg

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Guide to Effective Grant Writing
What the Eyes Don't See
The Social Transformation of American Medicine
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Enhancing the Effectiveness of Team Science
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The Ultimate Guide To Choosing a Medical Specialty
Eat to Beat Disease
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Advancing Healthy Populations

The number of psychiatric researchers does not seem to be keeping pace with the needs and opportunities that exist in brain and behavioral medicine. An Institute of Medicine committee conducted a broad review of the state of patient-oriented research training in the context of the psychiatry residency and considered the obstacles to such training and strategies for overcoming those obstacles. Careful consideration was given to the demands of clinical training. The committee concluded that barriers to research training span three categories: regulatory, institutional, and personal factors. Recommendations to address these issues are presented in the committee's report, including calling for research literacy requirements and research training curricula tailored to psychiatry residency programs of various sizes. The roles of senior investigators and departmental leadership are emphasized in the report, as is the importance of longitudinal training (e.g., from medical school through residency and fellowship). As there appears to be great interest among numerous stakeholders and a need for better tracking data, an overarching recommendation calls for the establishment of a national body to coordinate and evaluate the progress of research training in psychiatry.

The Vanishing Physician-Scientist?

A NEW YORK TIMES NOTABLE BOOK • The dramatic story of the Flint water crisis, by a relentless physician who stood up to power. "Stirring . . . [a] blueprint for all

those who believe . . . that ‘the world . . . should be full of people raising their voices.’” —The New York Times “Revealing, with the gripping intrigue of a Grisham thriller.” —O: The Oprah Magazine Here is the inspiring story of how Dr. Mona Hanna-Attisha, alongside a team of researchers, parents, friends, and community leaders, discovered that the children of Flint, Michigan, were being exposed to lead in their tap water—and then battled her own government and a brutal backlash to expose that truth to the world. Paced like a scientific thriller, *What the Eyes Don’t See* reveals how misguided austerity policies, broken democracy, and callous bureaucratic indifference placed an entire city at risk. And at the center of the story is Dr. Mona herself—an immigrant, doctor, scientist, and mother whose family’s activist roots inspired her pursuit of justice. *What the Eyes Don’t See* is a riveting account of a shameful disaster that became a tale of hope, the story of a city on the ropes that came together to fight for justice, self-determination, and the right to build a better world for their—and all of our—children. Praise for *What the Eyes Don’t See* “It is one thing to point out a problem. It is another thing altogether to step up and work to fix it. Mona Hanna-Attisha is a true American hero.” —Erin Brockovich “A clarion call to live a life of purpose.” —The Washington Post “Gripping . . . entertaining . . . Her book has power precisely because she takes the events she recounts so personally. . . . Moral outrage present on every page.” —The New York Times Book Review “Personal and emotional. . . She vividly describes the effects of lead poisoning on her young patients. . . . She is at her best when recounting the detective work she undertook after a tip-off about lead levels from a friend. . . . ‘Flint will not be defined by this crisis,’ vows Ms. Hanna-Attisha.” —The Economist “Flint is a public health disaster. But it was Dr. Mona, this caring, tough pediatrician turned detective, who cracked the case.” —Rachel Maddow

A Guide to the Scientific Career

Winner of the 1983 Pulitzer Prize and the Bancroft Prize in American History, this is a landmark history of how the entire American health care system of doctors, hospitals, health plans, and government programs has evolved over the last two centuries. "The definitive social history of the medical profession in America. A monumental achievement." —H. Jack Geiger, M.D., New York Times Book Review

The Physician Scientist's Career Guide

What’s the weirdest thing you’ve ever wanted to know about the penis but were afraid to ask? Dr. Aaron Spitz has that answer—and many more. Let Dr. Spitz—who served as assistant clinical professor at UC Irvine's Department of Urology for 15 years and who is a regularly featured guest on *The Doctors*—become your best friend as he fearlessly guides you through the hairiest and the scariest questions in *The Penis Book*. An unflinching, comprehensive guide to everything from sexually transmitted infections to the science of blood flow, *The Penis Book* prominently features an easy-to-follow holistic five-step plan for optimum penis health, including plant-based eating recommendations, information on some penis-healthy foods, and suggested exercises for penis wellbeing. Useful to men and women alike, *The Penis Book* is a one-stop-shop for the care and maintenance of the penis in your life.

Careers Beyond Clinical Medicine

You have entered medical school to become a physician and you are learning all about basic science, anatomy, and disease science. However, in order to be successful in your medical career, you need more than medical knowledge. You need to understand the medical education system and how to avoid the potholes along your path that can hurt your career. This Physician Career Guidebook series is a practical career guidebook to lead you through residency training, your first years as an attending physician, and becoming a physician leader. All items are generic across medical specialties and are meant to help bring the topics to your attention for your further contemplation. Each chapter is a mentoring or coaching session for a specific period of your training timeline. Use the information provided to further your career and to be better prepared for each step along the way. Each book is designed to be a guide for multiple years so you can use the appropriate chapters at the appropriate times.

Medicine Science and Dreams

Attaining professional success and finding personal happiness in academic medicine is not an easy path, yet both are critical if the future is to be brighter through better science, better clinical care, better training, better responsiveness to communities, and better stewardship and leadership in the health professions. This concise, easy to read title consists of “mini” chapters intended as a resource to assist early- and middle-career physicians, clinicians, and scientists in understanding the unique mission of academic medicine and building creative, effective, and inspiring careers in academic health organizations. Organized in eight sections, the Guide covers such areas as finding your path in academic medicine, getting established at an institution, approaching work with colleagues, writing and reviewing manuscripts, conducting empirical research, developing administrative skills, advancing your academic career, and balancing your professional and personal life. Each chapter includes pointers and valuable career and “best practices” strategies in relation to the topic area. An exciting addition to the professional development literature, *Achievement and Fulfillment in Academic Medicine: A Comprehensive Guide* is an indispensable resource for anyone seeking to achieve a fulfilling career in academic medicine.

A Doctor's Guide to Alternative Medicine

There has never been a better time to for a handbook focused on women in science. In May 2016, the American Association for the Advancement of Science posted an article titled “We need to do more for women in science.” This book describes the importance of carving out spaces for women in science and includes the unique strengths of women scientists as well as challenges they tend to face. Studies of women leadership consistently illustrate that women demonstrate strengths in leadership across communities and have skills in bringing together groups towards a common goal. The role of women in context is an important one in science, but has not been the focus of previous texts about careers in science or medicine. This first of its kind book develops an understanding of research careers occurring within a greater community of colleagues and academicians as well as

the fact that women themselves lead within a group, a community, and a context. The book focuses on women who are pursuing research careers in academic medicine with specific emphasis on women in science and research as well as lessons learned from fellow female scientists. It also provides key strategies and skills centered on the social ecological model as well as a sense of community with other women scientists. The book is organized thematically using the social ecological model as a framework in which we all live and complete our work. Women Rock Science is a valuable resource that can be used in a variety of settings. It is beneficial for University classes as well as lab group meetings. It also places an emphasis on community and can be shared with one's community of mentors, mentees and colleagues.

The Essential MD-PhD Guide

A penetrating and personal look at a major problem in our nation's medical schools affecting how doctoring is taught and how medicine is practiced

Principles of Clinical Cancer Research

In the past century, average life expectancies have nearly doubled, and today, for the first time in human history, many people have a realistic chance of living to eighty or beyond. As life expectancy increases, Americans need accurate, scientifically grounded information so that they can take full responsibility for their own later years. In *The Art and Science of Aging Well*, Mark E. Williams, M.D., discusses the remarkable advances that medical science has made in the field of aging and the steps that people may take to enhance their lives as they age. Through his own observations and by use of the most current medical research, Williams offers practical advice to help aging readers and those who care for them enjoy personal growth and approach aging with optimism and even joy. *The Art and Science of Aging Well* gives a realistic portrait of how aging occurs and provides important advice for self-improvement and philosophical, spiritual, and conscious evolution. Williams argues that we have considerable choice in determining the quality of our own old age. Refuting the perspective of aging that insists that personal, social, economic, and health care declines are persistent and inevitable, he takes a more holistic approach, revealing the multiple facets of old age. Williams provides the resources for a happy and productive later life.

Neuronal Cytoskeleton; Morphogenesis, Transport and Synaptic Transmission

Career changes are becoming common among professionals in recent years. Many physicians may want to change direction, but often do not know whether it is the right thing to do or if pursuing a career outside of clinical practice would achieve their professional goals. Doctors have the training and education to contribute to society in many beneficial ways in addition to traditional clinical practice. Yet, there is no formal mapped-out route for doctors who want to pursue alternative careers, which is where *Careers Beyond Clinical Medicine* comes in. Doctors at any stage, from early in training to mid-career, to nearing retirement, can use *Careers Beyond Clinical Medicine* to clearly evaluate the issues involved when considering a career

change. This book shows physicians how they can serve society and patients in innovative ways, and make a notable impact on health care delivery, policy and quality when they use their medical background in a non-traditional career pursuit. The numerous unadvertised opportunities for physicians are explored and a step-by-step route with practical advice for finding the best career is described. Recent advances in healthcare technology, medical science, patient education require physicians to play new roles that have not traditionally been well-defined. Doctors can innovate and have a long-term productive impact on healthcare in the United States and throughout the world if they learn to seize the non-traditional career opportunities available to physicians, or even create a new way to fill a void in health care. *Careers Beyond Clinical Medicine* helps illuminate that path.

On Becoming a Doctor

Physician-scientists are unusual creatures. While we are drawn to the clinical challenges of our patients, we are also drawn to the opportunities that our patients' medical problems bring to science. This book contains the unique experiences and encounters that drew 20 accomplished physician-scientists to this profession. These personal stories are those of people and circumstances that have had profound effects on our career decisions, our creative opportunities, and our lives. These stories also serve to highlight the lessons learned along the way and the distinct attributes of these women and men of medicine and science. Our combined hope is that our collective biographies will enhance the public understanding of our profession, will move people from medicine to science and from science to medicine, and will inspire those who are contemplating this extraordinary profession. "It is a rare gift to benefit from the collective wisdom of so many individuals at the same time. These physician scientists have provided readers with helpful advice and thoughtful encouragement. The interesting and thought provoking essays in *Medicine Science and Dreams* can be read and digested one at a time or all at once in sequence. They provide lessons to be learned by any physician-scientist, whether just starting out or in the middle of a research career. Schwartz has done readers a great service and has added to the legacy of these prominent and successful physician-scientists." Book review in *JAMA*, September 7, 2011—Vol 306, No. 9 by Derek S. Wheeler, MD

Saint-Chopra Guide to Inpatient Medicine

Collaborations of physicians and researchers with industry can provide valuable benefits to society, particularly in the translation of basic scientific discoveries to new therapies and products. Recent reports and news stories have, however, documented disturbing examples of relationships and practices that put at risk the integrity of medical research, the objectivity of professional education, the quality of patient care, the soundness of clinical practice guidelines, and the public's trust in medicine. *Conflict of Interest in Medical Research, Education, and Practice* provides a comprehensive look at conflict of interest in medicine. It offers principles to inform the design of policies to identify, limit, and manage conflicts of interest without damaging constructive collaboration with industry. It calls for both short-term actions and long-term commitments by institutions and individuals, including leaders of academic medical centers, professional societies, patient advocacy groups, government agencies, and drug, device, and pharmaceutical

companies. Failure of the medical community to take convincing action on conflicts of interest invites additional legislative or regulatory measures that may be overly broad or unduly burdensome. Conflict of Interest in Medical Research, Education, and Practice makes several recommendations for strengthening conflict of interest policies and curbing relationships that create risks with little benefit. The book will serve as an invaluable resource for individuals and organizations committed to high ethical standards in all realms of medicine.

Physicians' Pathways to Non-Traditional Careers and Leadership Opportunities

Since the end of the Second World War, the United States has developed the world's preeminent system for biomedical research, one that has given rise to revolutionary medical advances as well as a dynamic and innovative business sector generating high-quality jobs and powering economic output and exports for the U.S. economy. However, there is a growing concern that the biomedical research enterprise is beset by several core challenges that undercut its vitality, promise, and productivity and that could diminish its critical role in the nation's health and innovation in the biomedical industry. Among the most salient of these challenges is the gulf between the burgeoning number of scientists qualified to participate in this system as academic researchers and the elusive opportunities to establish long-term research careers in academia. The patchwork of measures to address the challenges facing young scientists that has emerged over the years has allowed the U.S. biomedical enterprise to continue to make significant scientific and medical advances. These measures, however, have not resolved the structural vulnerabilities in the system, and in some cases come at a great opportunity cost for young scientists. These unresolved issues could diminish the nation's ability to recruit the best minds from all sectors of the U.S. population to careers in biomedical research and raise concerns about a system that may favor increasingly conservative research proposals over high-risk, innovative ideas. *The Next Generation of Biomedical and Behavioral Sciences Researchers: Breaking Through* evaluates the factors that influence transitions into independent research careers in the biomedical and behavioral sciences and offers recommendations to improve those transitions. These recommendations chart a path to a biomedical research enterprise that is competitive, rigorous, fair, dynamic, and can attract the best minds from across the country.

Research Training in Psychiatry Residency

Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic

science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

What's Past Is Prologue

"Thought-provoking...[Allen] writes without sanctimony and never simplifies the people in his book or the moral issues his story inevitably raises." —Wall Street Journal Few diseases are more gruesome than typhus. Transmitted by body lice, it afflicts the dispossessed—refugees, soldiers, and ghettoized peoples—causing hallucinations, terrible headaches, boiling fever, and often death. The disease plagued the German army on the Eastern Front and left the Reich desperate for a vaccine. For this they turned to the brilliant and eccentric Polish zoologist Rudolf Weigl. In the 1920s, Weigl had created the first typhus vaccine using a method as bold as it was dangerous for its use of living human subjects. The astonishing success of Weigl's techniques attracted the attention and admiration of the world—giving him cover during the Nazi's violent occupation of Lviv. His lab soon flourished as a hotbed of resistance. Weigl hired otherwise doomed mathematicians, writers, doctors, and other thinkers, protecting them from atrocity. The team engaged in a sabotage campaign by sending illegal doses of the vaccine into the Polish ghettos while shipping gallons of the weakened serum to the Wehrmacht. Among the scientists saved by Weigl, who was a Christian, was a gifted Jewish immunologist named Ludwik Fleck. Condemned to Buchenwald and pressured to re-create the typhus vaccine under the direction of a sadistic Nazi doctor, Erwin Ding-Schuler, Fleck had to make an awful choice between his scientific ideals or the truth of his conscience. In risking his life to carry out a dramatic subterfuge to vaccinate the camp's most endangered prisoners, Fleck performed an act of great heroism. Drawing on extensive research and interviews with survivors, Arthur Allen tells the harrowing story of two brave scientists—a Christian and a Jew— who put their expertise to the best possible use, at the highest personal danger.

Huntington's Chorea

The complete guide to MD-PhD success—with practical tips and insights from MD-PhD students, recent graduates, and practicing physician-scientists Whether you're a prospective or current MD-PhD student, The Essential MD-PhD Guide provides everything you need to choose the right program or succeed in your current program—and build a solid career in medicine and science. This unparalleled resource guides you through the process of choosing a program, navigating the early years of medical school, selecting a research laboratory and PhD project, and making the transition between medical and graduate studies. This book provides invaluable guidance on choosing clinical rotations, residency programs, and fellowships that open doors to various career options. Co-written by current and

past students, professors, and program administrators from the MD-PhD programs of McGill University and Johns Hopkins University, this guide is filled with first-hand experiences and practical advice. You'll discover viewpoints from students in medical and graduate school, trainees in residency and fellowship, and faculty. The Essential MD-PhD Guide covers: Applying for MD-PHD training Early days in medical school The transition to graduate school Transition back to medical school Residency, fellowships, and your first job Physician-scientist wellness

The Road to Residency and Beyond

The first medical specialty selection guide written by residents for students! Provides an inside look at the issues surrounding medical specialty selection, blending first-hand knowledge with useful facts and statistics, such as salary information, employment data, and match statistics. Focuses on all the major specialties and features firsthand portrayals of each by current residents. Also includes a guide to personality characteristics that are predominate with practitioners of each specialty. "A terrific mixture of objective information as well as factual data make this book an easy, informative, and interesting read."
--Review from a 4th year Medical Student

Anyone, Anything, Anytime

This volume provides a theoretical framework for visionary leadership as well as specific management techniques to achieve success. The authors focus on maintaining a consistent set of behavioral characteristics for both the leader and the organization as a whole. The text is written in a conversational style using the authors' personal experiences and case studies to illustrate the principles and practices of successful leaders. When helpful, the large body of observational work on professional group dynamics is referenced. The text also provides ideal supplemental material for the many leadership programs offered by physician organizations and health care systems Developed by an accomplished physician leader from one of the nation's finest hospital systems and an experienced professor of business, *The Best Medicine: A Physician's Guide to Effective Leadership* is of great value to physicians of all levels who are interested in improving their understanding of leadership styles and tactics.

The Fantastic Laboratory of Dr. Weigl: How Two Brave Scientists Battled Typhus and Sabotaged the Nazis

Presents a collection of first person accounts of what life is like in the medical field.

Conflict of Interest in Medical Research, Education, and Practice

The past half-century has witnessed a dramatic increase in the scale and complexity of scientific research. The growing scale of science has been accompanied by a shift toward collaborative research, referred to as "team science." Scientific research is increasingly conducted by small teams and larger groups rather than individual investigators, but the challenges of collaboration can

slow these teams' progress in achieving their scientific goals. How does a team-based approach work, and how can universities and research institutions support teams? Enhancing the Effectiveness of Team Science synthesizes and integrates the available research to provide guidance on assembling the science team; leadership, education and professional development for science teams and groups. It also examines institutional and organizational structures and policies to support science teams and identifies areas where further research is needed to help science teams and groups achieve their scientific and translational goals. This report offers major public policy recommendations for science research agencies and policymakers, as well as recommendations for individual scientists, disciplinary associations, and research universities. Enhancing the Effectiveness of Team Science will be of interest to university research administrators, team science leaders, science faculty, and graduate and postdoctoral students.

Changing the Culture of Academic Medicine

The Physician Scientist's Career Guide provides a complete guide to having a successful career as a Physician Scientist. Filled with first-hand experiences and practical advice, it guides readers through each step of this career path, from choosing a degree and training program, to navigating the tenure track, and through the intricacies of applying for and obtaining funding. The volume is unique in that it provides an overview of this entire career path, allowing readers to envision and prepare for their futures. The Physician Scientist's Career Guide fulfills a unique and crucial need and will be an invaluable guide for medical students, fellows and newly appointed faculty members interested in a career in research.

The Coach's Guide for Women Professors

If you find yourself thinking or saying any of the following, this is a book you need to pick up. I know or suspect that I am underpaid, but I hate negotiating. I do everything else first and then write in the time left over. I'm not sure exactly what the promotion requirements are in my department. Since earning tenure, my service load has increased and my research is suffering. I don't get enough time with my family. This is a practical guide for women in academe - whether adjuncts, professors or administrators - who often encounter barriers and hostility, especially if women of color, and generally carry a heavier load of service, as well as household and care responsibilities, than their male colleagues. Rena Seltzer, a respected life coach and trainer who has worked with women professors and academic leaders for many years, offers succinct advice on how you can prioritize the multiplicity of demands on your life, negotiate better, create support networks, and move your career forward. Using telling but disguised vignettes of the experiences of women she has mentored, Rena Seltzer offers insights and strategies for managing the situations that all women face - such as challenges to their authority - while also paying attention to how they often play out differently for Latinas, Black and Asian women. She covers issues that arise from early career to senior administrator positions. This is a book you can read cover to cover or dip into as you encounter concerns about time management; your authority and influence; work/life balance; problems with teaching; leadership; negotiating better; finding time to write; developing your networks and social support; or navigating tenure and promotion and your career beyond.

Superbugs

The Next Generation of Biomedical and Behavioral Sciences Researchers

What is an effective scientist? One who is successful by quantifiable standards, with many publications, citations, and students supervised? Yes, but there is much more. Truly effective scientists need to have influence beyond academia, usefully applying and marketing their research to non-scientists. This book therefore takes an all-encompassing approach to improving the scientist's career. It begins by focusing on writing and publishing - a scientist's most important weapon in the academic arsenal. Part two covers the numerical and financial aspects of being an effective scientist, and Part three focuses on running a lab effectively. The book concludes by discussing the more entertaining and philosophical aspects of being an effective scientist. Little of this material is taught in university, but developing these skills is vital to maximize the chance of being effective. Written by a scientist for scientists, this practical and entertaining book is a must-read for every early career-scientist, regardless of specialty.

The Art and Science of Aging Well

"—from the foreword by Arthur L. Caplan, NYU School of Medicine

Strengthening Forensic Science in the United States

Principles of Clinical Cancer Research provides comprehensive coverage of the fundamentals of clinical cancer research, including the full spectrum of methodologies used in the field. For those involved in research or considering research careers, this book offers a mix of practical advice and analytical tools for effective training in theoretical principles as well as specific, usable teaching examples. The clinical oncologist or trainee will find a high-yield, practical guide to the interpretation of the oncology literature and the application of data to real-world settings. Valuable for both researchers and clinicians who wish to sharpen their skills, this book contains all of the cornerstones and explanations needed to produce and recognize quality clinical science in oncology. Written from the physician-scientist's perspective, the book lays a strong foundation in preclinical sciences that is highly relevant to careers in translational oncology research along with coverage of population and outcomes research and clinical trials. It brings together fundamental principles in oncology with the statistical concepts one needs to know to design and interpret studies successfully. With each chapter including perspectives of both clinicians and scientists or biostatisticians, Principles of Clinical Cancer Research provides balanced, instructive, and high-quality topic overviews and applications that are accessible and thorough for anyone in the field. KEY FEATURES: Gives real-world examples and rationales behind which research methods to use when and why Includes numerous tables featuring key statistical methods and programming commands used in everyday clinical research Contains illustrative practical examples and figures in each chapter to help the reader master concepts Provides tips and pointers for structuring a career,

avoiding pitfalls, and achieving success in the field of clinical cancer research
Access to fully downloadable eBook

The Yale Guide to Careers in Medicine & the Health Professions

Preceded by: Clinical clerkship in inpatient medicine / Sanjay Saint. 3rd ed. c2010.

THE MEDICAL SCIENCE LIAISON CAREER GUIDE

The Effective Scientist

Increasingly, physicians are leveraging their medical training and expertise to pursue careers in non-traditional arenas. Their goals are diverse: · Explore consulting as a way to improve patient care · Lay the foundation for a career in academic medicine · Provide leadership in healthcare · Strengthen ties between a clinic and the community · Broaden one's experience as a medical student · As a journalist or writer, open a window onto medicine for non-experts Some physicians will pursue another degree, while others may not, in anticipation of moving into public service, business, education, law, or organized medicine. Their common ground is the desire to enhance their professional fulfillment. Drs. Urman and Ehrenfeld's book features individual chapters on the wide array of non-traditional careers for physicians, each one written by an outstanding leader in medicine who him- or herself has successfully forged a unique career path. A final chapter brings together fascinating brief profiles – “case studies” – of physicians who have distinguished themselves professionally outside of traditional settings. Suitable for readers at any point in their medical career – practitioners, fellows, residents, and medical students – who want to explore possibilities beyond traditional medical practice, the book also sets out common-sense advice on topics such as work-life balance, mentorship, and the relationship between personality and job satisfaction.

Guide to Effective Grant Writing

Even for highly qualified candidates, becoming a Medical Science Liaison is a challenging endeavor. It's nearly impossible to achieve on your own without the proper preparation and guidance. The Medical Science Liaison Career Guide: How to Break into Your First Role will show you, step by step, how to search for, apply, and interview for your first MSL role. The book reveals strategies for standing apart from the competition, what hiring managers look for when considering candidates, and what gets the right candidates hired. Dr. Samuel Jacob Dyer shares his years of experience as a hiring manager at some of the world's top pharmaceutical companies and as chairman of the board for the MSL Society. In three easy-to-read sections, he discusses the Medical Science Liaison role, presents your MSL job search strategy, and reveals the inner workings of the MSL hiring process. His proven techniques and insights will increase your chances of starting your career as a highly paid Medical Science Liaison.

What the Eyes Don't See

One doctor's career began more than half a century ago, during World War II; another's began only recently, near the start of the new millennium. One scientist was a Kentucky farm girl who had never dreamed of going to college; another survived the cultural re-education prescribed for intellectuals under China's late Chairman Mao. Despite various backgrounds, these women in science at the Vanderbilt University School of Medicine have much in common with each other, and, they hope, with women who will come after. Twenty-seven female scientists share their personal stories of life in academic research. They reveal their family backgrounds and how they became interested in science, research, and medicine. Each relates her educational growth, professional successes and struggles, and life experiences. Time after time, these doctors stress the joy of discovery and the keys to success: caring mentors, strong time management skills, and supportive friends and family.

The Social Transformation of American Medicine

A concise, easy-to-read source of essential tips and skills for writing research papers and career management In order to be truly successful in the biomedical professions, one must have excellent communication skills and networking abilities. Of equal importance is the possession of sufficient clinical knowledge, as well as a proficiency in conducting research and writing scientific papers. This unique and important book provides medical students and residents with the most commonly encountered topics in the academic and professional lifestyle, teaching them all of the practical nuances that are often only learned through experience. Written by a team of experienced professionals to help guide younger researchers, *A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing* features ten sections composed of seventy-four chapters that cover: qualities of research scientists; career satisfaction and its determinants; publishing in academic medicine; assessing a researcher's scientific productivity and scholarly impact; manners in academics; communication skills; essence of collaborative research; dealing with manipulative people; writing and scientific misconduct: ethical and legal aspects; plagiarism; research regulations, proposals, grants, and practice; publication and resources; tips on writing every type of paper and report; and much more. An easy-to-read source of essential tips and skills for scientific research Emphasizes good communication skills, sound clinical judgment, knowledge of research methodology, and good writing skills Offers comprehensive guidelines that address every aspect of the medical student/resident academic and professional lifestyle Combines elements of a career-management guide and publication guide in one comprehensive reference source Includes selected personal stories by great researchers, fascinating writers, inspiring mentors, and extraordinary clinicians/scientists *A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing* is an excellent interdisciplinary text that will appeal to all medical students and scientists who seek to improve their writing and communication skills in order to make the most of their chosen career.

The Best Medicine

"A wonderful picture of an important period in the practice of medicine in the United States." (from the Foreword by Peter Rosen, MD) Here is the very first book

to comprehensively explore the evolution of the field of emergency medicine -- from its origins following World War II, through the sociopolitical changes of the 1950s, 1960s, and 1970s, to the present. First-hand narratives from more than 45 founders and pioneers of emergency medicine provide a vivid portrayal of the important events and viewpoints that have given rise to today's practice. Represents the first comprehensive history of emergency medicine as a specialty. Provides first-hand oral histories from more than 45 of the key figures who witnessed and helped to shape the developments chronicled in the book. Offers keen insights into how the sociopolitical changes of the 1950s through 1970s influenced public health, health care delivery, and emergency medicine. Includes many unique photographs of important leaders in emergency medicine.

The Academic Medicine Handbook

Guide to Effective Grant Writing: How to Write a Successful NIH Grant, 2nd edition is a fully updated follow-up to the popular original. It is written to help the 100,000+ post-graduate students and professionals who need to write effective proposals for grants. There is little or no formal teaching about the process of writing grants for NIH, and many grant applications are rejected due to poor writing and weak formulation of ideas. Procuring grant funding is the central key to survival for any academic researcher in the biological sciences; thus, being able to write a proposal that effectively illustrates one's ideas is essential. Covering all aspects of the proposal process, from the most basic questions about form and style to the task of seeking funding, this volume offers clear advice backed up with excellent examples. Included are a number of specimen proposals to help shed light on the important issues surrounding the writing of proposals. The Guide is a clear, straight-forward, and reader-friendly tool. Guide to Effective Grant Writing: How to Write a Successful NIH Grant Writing is based on Dr. Yang's extensive experience serving on NIH grant review panels; it covers the common mistakes and problems he routinely witnesses while reviewing grants.

Enhancing the Effectiveness of Team Science

International Bestseller "An amazing, informative book that changes our perspective on medicine, microbes and our future." --Siddhartha Mukherjee, MD, New York Times bestselling author of The Emperor of All Maladies A New York Times bestselling author shares this exhilarating story of cutting-edge science and the race against the clock to find new treatments in the fight against the antibiotic-resistant bacteria known as superbugs. Physician, researcher, and ethics professor Matt McCarthy is on the front lines of a groundbreaking clinical trial testing a new antibiotic to fight lethal superbugs, bacteria that have built up resistance to the life-saving drugs in our rapidly dwindling arsenal. This trial serves as the backdrop for the compulsively readable Superbugs, and the results will impact nothing less than the future of humanity. Dr. McCarthy explores the history of bacteria and antibiotics, from Alexander Fleming's discovery of penicillin, to obscure sources of innovative new medicines (often found in soil samples), to the cutting-edge DNA manipulation known as CRISPR, bringing to light how we arrived at this juncture of both incredible breakthrough and extreme vulnerability. We also meet the patients whose lives are hanging in the balance, from Remy, a teenager with a dangerous and rare infection, to Donny, a retired New York City firefighter with a

compromised immune system, and many more. The proverbial ticking clock will keep readers on the edge of their seats. Can Dr. McCarthy save the lives of his patients infected with the deadly bacteria, who have otherwise lost all hope?

Women Rock Science

This book outlines the benefits and dangers of alternative medicine, drawing on scientific research to show which treatments work, which don't, and how to use them. It offers a balanced, unbiased perspective backed by science.

The Ultimate Guide To Choosing a Medical Specialty

Throughout history, physicians have played a vital role in medical discovery. These physician-scientists devote the majority of their professional effort to seeking new knowledge about health and disease through research and represent the entire continuum of biomedical investigation. They bring a unique perspective to their work and often base their scientific questions on the experience of caring for patients. Physician-scientists also effectively communicate between researchers in the "pure sciences" and practicing health care providers. Yet there has been growing concern in recent decades that, due to complex changes, physician-scientists are vanishing from the scene. In this book, leading physician-scientists and academic physicians examine the problem from a variety of perspectives: historical, demographic, scientific, cultural, sociological, and economic. They make valuable recommendations that—if heeded—should preserve and revitalize the community of physician-scientists as the profession continues to evolve and boundaries between doctors and researchers shift.

Eat to Beat Disease

Discover the new science of how eating can enable your body to heal itself from cancer, dementia, and dozens of avoidable diseases. Eat your way to better health with this New York Times bestseller. We have long radically underestimated our body's power to transform and restore our health. Pioneering physician scientist, Dr. William Li, empowers readers by showing them the evidence behind over 200 health-boosting foods that can starve cancer, reduce your risk of dementia, and beat dozens of avoidable diseases. This book isn't about what foods to avoid, but rather is a life-changing guide detailing the hundreds of healing foods you can add to your meals that support the body's defense systems, including: Plums Cinnamon Sourdough bread Red wine and beer Black Beans San Marzano tomatoes Olive oil Cheeses like Jarlsberg, Camembert and cheddar With Dr. Li's plan, the foods you already love can be optimized to activate your body's five natural health defense systems--Angiogenesis, Regeneration, Microbiome, DNA Protection, and Immunity--to fight cancer; diabetes; cardiovascular, neurodegenerative, and autoimmune diseases; and other debilitating conditions. Both informative and practical, Eat to Beat Disease explains the science of healing and prevention, strategies for using food to actively boost health, and points the study of well-being and disease recovery in an exhilarating new direction.

Vaccines Did Not Cause Rachel's Autism

Everything They Don't Tell You, Everything You Need to Know Becoming a doctor is so much more than acing your MCATs, living through med school, then getting the perfect residency. It is a career that demands long hours on little to no sleep, constant continuing education, and a tough decision about which of the many types of medicine you want to practice. But with the right guide, you can make the right choices each step of the way. On Becoming a Doctor calmly and thoroughly walks you through each academic, physical, and emotional step you'll take on your way to a successful career in medicine, and it includes interviews with many different specialists to help you choose a medical path. This Essential Insider Advice Will Show You: Financing all of the costs of medical school The ups and downs of working with insurance companies Perspectives on a variety of medical fields The educational, physical, and emotional realities of the journey Interviews with doctors in many different specialties Working with other doctors and the administration On Becoming a Doctor covers everything you need to know about medical school, residency, specialization, and practice.

The Penis Book

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