Rna Society Meeting 2024

RNA Society Meeting 2024: Your Guide to the Leading RNA Event

Are you a researcher, scientist, or student passionate about the rapidly evolving field of RNA biology? Then mark your calendar for the RNA Society Meeting 2024! This highly anticipated event promises to be a hub of innovation, collaboration, and groundbreaking discoveries in the world of ribonucleic acids. This comprehensive guide will provide you with all the essential information you need to prepare for and maximize your experience at the RNA Society Meeting 2024, including key dates, location details, anticipated topics, and registration information. We'll also explore the importance of attending and highlight why it's a must for anyone involved in RNA research.

Key Dates and Location for the RNA Society Meeting 2024

(Please Note: As specific dates and locations are not yet publicly available for the 2024 RNA Society meeting, the following is placeholder information. Always check the official RNA Society website for the most up-to-date and accurate details. This information will be updated as soon as official announcements are made.)

While the precise dates and location for the 2024 RNA Society Meeting are still to be confirmed, typically these meetings are held in the latter half of the year, often in a major city with excellent conference facilities. Keep an eye on the RNA Society's official website and social media channels for announcements. Early registration often offers significant discounts, so staying informed is key. It's advisable to bookmark the official site and subscribe to their newsletter to receive timely

updates.

What to Expect at the RNA Society Meeting 2024

The RNA Society Meeting is renowned for its comprehensive program covering a wide range of RNA-related topics. Attendees can expect:

Cutting-Edge Research Presentations:

Leading researchers from across the globe will present their latest findings on diverse aspects of RNA biology, including:

RNA structure and function: Delving into the intricacies of RNA folding, modification, and interactions.
RNA processing and metabolism: Exploring the mechanisms of transcription, splicing, and degradation.
RNA-based therapeutics: Focusing on the development and application of RNA-targeted drugs.
Non-coding RNAs: Examining the diverse roles of microRNAs, long non-coding RNAs, and other functional RNA molecules.
RNA in disease: Investigating the involvement of RNA in various diseases and exploring therapeutic strategies.

Networking Opportunities:

The meeting serves as an unparalleled platform for networking with fellow RNA researchers, establishing collaborations, and forging new connections within the scientific community. Poster sessions, dedicated networking events, and informal gatherings provide ample opportunities to engage with experts in the field.

Workshops and Training Sessions:

The RNA Society meeting frequently incorporates workshops and training sessions focused on advanced techniques and methodologies in RNA research. These offer valuable hands-on experience and professional development opportunities.

Industry Exhibits:

Leading companies specializing in RNA-related technologies and reagents typically exhibit at the meeting, providing attendees with access to the latest innovations and tools.

Why Attending the RNA Society Meeting 2024 is Crucial

Attending the RNA Society Meeting offers significant advantages for researchers at all levels. It's a chance to:

Stay at the forefront of RNA research: Learn about the latest breakthroughs and emerging trends.
Enhance your professional network: Connect with leading experts and potential collaborators.
Present your own research: Showcase your work to a wider audience and gain valuable feedback.
Gain access to exclusive resources: Obtain information on cutting-edge technologies and funding opportunities.
Boost your career prospects: Demonstrate your commitment to the field and enhance your professional profile.

Preparing for the RNA Society Meeting 2024

Once the dates and location are announced, begin planning your trip well in advance. This includes securing accommodation, arranging travel, and familiarizing yourself with the conference program. Consider submitting an abstract if you wish to present your research.

Conclusion

The RNA Society Meeting 2024 promises to be an exhilarating event, brimming with scientific discovery and collaborative opportunities. By staying informed through the official RNA Society channels and proactively planning your attendance, you can make the most of this invaluable experience. Mark your calendars, prepare for an engaging and enriching experience, and prepare to be inspired by the advancements in the exciting world of RNA biology.

FAQs

1. Where can I find the most up-to-date information about the RNA Society Meeting 2024? The official RNA Society website is the definitive source for all announcements regarding dates, location, registration, and program details.

2. What are the typical costs associated with attending the meeting? Costs vary depending on factors such as registration type (early bird, regular, student), accommodation choices, and travel expenses. Check the official website for detailed cost breakdowns.

3. How do I submit an abstract for the meeting? Abstract submission guidelines, including deadlines and formatting requirements, are typically published on the official website well in advance of the meeting.

4. Are there scholarships or funding opportunities available to attend? The RNA Society might offer scholarships or travel grants. Check their website for details or inquire directly.

5. What type of attire is appropriate for the RNA Society Meeting? Business casual attire is generally suitable for the majority of events at the RNA Society meeting. However, it's best to review the specific dress code suggestions provided by the official program or website.

rna society meeting 2024: RNA Nanotechnology Bin Wang, 2014-04-02 In the past few decades there has been incredible growth in bionano-related research, which has been accompanied by numerous publications in this field. Although various compilations address topics related to deoxyribonucleic acid (DNA) and protein, there are few books that focus on determining the structure of ribonucleic acid (RNA) and using RNA as building blocks to construct nanoarchitectures for biomedical and healthcare applications. RNA Nanotechnology is a comprehensive volume that details both the traditional approaches and the latest developments in the field of RNA-related technology. This book targets a wide audience: a broad introduction provides a solid academic background for students, researchers, and scientists who are unfamiliar with the subject, while the in-depth descriptions and discussions are useful for advanced professionals. The book opens with reviews on the basic aspects of RNA biology, computational approaches for predicting RNA structures, and traditional and emerging experimental approaches for probing RNA structures. This section is followed by explorations of the latest research and discoveries in RNA nanotechnology, including the design and construction of RNA-based nanostructures. The final segment of the book includes descriptions and discussions of the potential biological and therapeutic applications of small RNA molecules, such as small/short interfering RNAs (siRNAs), microRNAs (miRNAs), RNA aptamers, and ribozymes.

rna society meeting 2024: RNA Control and Regulation David Johnston Steward, Bruce Stillman, Terri Grodzicker, 2019 Dorcas Cummings Lecture:Dorcas Cummings Lecture.

rna society meeting 2024: RNA as a Drug Target John Schneekloth, Martin Pettersson, 2024-07-01 Discover a new paradigm in drug discovery that greatly expands the space of addressable drug targets and potential novel drugs Existing paradigms for drug discovery have focused largely on enzymes and other proteins as drug targets. In recent years, however, different varieties of ribonucleic acids have emerged as a viable focus for target-based drug discovery, with the potential to revolutionize the strategy and approach for this essential step in the drug development process. RNA as a Drug Target: The Next Frontier for Medicinal Chemistry offers a practice-oriented introduction to developing drug-like small molecules that selectively modulate both coding and non-coding RNAs. Beginning with a description and characterization of existing druggable RNAs, the book discusses how to approach different RNA targets for drug discovery. The result is a crucial resource for targeting RNAs and creating the next generation of life-saving pharmaceuticals. RNA as a Drug Target readers will also find: A complete "toolbox" for working with RNA, from structure determination to screening and lead generation techniques A wide range of addressable targets and mechanisms, including splicing modulation, riboswitches, targeted degradation, and more Authoritative discussion of the potential of RNA-targeted small molecule therapeutics for drugging the epitranscriptome RNA as a Drug Target provides an expert introduction to a new frontier in pharmaceutical research for medicinal chemists, biochemists, molecular biologists, and members of the pharmaceutical industry.

rna society meeting 2024: Vaccine Development: From Concept to Clinic A. Krishna Prasad, 2022-11-09 Utilising successful case studies Vaccine Development will provide insight to the issues scientists face when producing a vaccine, the steps involved and will serve as an ideal reference tool regarding state-of-the-art vaccine development.

rna society meeting 2024: Maize Kernel Development Brian A Larkins, 2017-11-21 This is an authoritative book that acts as a guide to understanding maize kernel development. Written by a team of experts, it covers topics spanning pre- and post-fertilization events, embryo and endosperm development, grain filling and maturation, and factors influencing crop yield. It explores the significance of maize and other cereal grains, existing hypotheses and research, and important gaps

in our knowledge and how we might fill them. This is a valuable resource for researchers of maize and other cereals, and anyone working on basic or applied science in the fields of seed development, plant genetics, and crop physiology.

rna society meeting 2024: The Soybean Genome Henry T. Nguyen, Madan Kumar Bhattacharyya, 2017-09-20 This book examines the application of soybean genome sequences to comparative, structural, and functional genomics. Since the availability of the soybean genome sequence has revolutionized molecular research on this important crop species, the book also describes how the genome sequence has shaped research on transposon biology and applications for gene identification, tilling and positional gene cloning. Further, the book shows how the genome sequence influences research in the areas of genetic mapping, marker development, and genome-wide association mapping for identifying important trait genes and soybean breeding. In closing, the economic and botanical aspects of the soybean are also addressed.

rna society meeting 2024: Branching Morphogenesis Jamie Davies, 2007-03-20 Branching morphogenesis, the creation of branched structures in the body, is a key feature of animal and plant development. This book brings together, for the first time, expert researchers working on a variety of branching systems to present a state-of-the-art view of the mechanisms that control branching morphogenesis. Systems considered range from single cells, to blood vessel and drainage duct systems to entire body plans, and approaches range from observation through experiment to detailed biophysical modelling. The result is an integrated overview of branching.

rna society meeting 2024: Plant RNA Biology Dóra Szakonyi, Ana Confraria, Concetta Valerio, Paula Duque, Dorothee Staiger, 2019-11-18 Discoveries from the past decades revealed that RNA molecules are much more than inert intermediates between the coding DNA sequences and their functional products, proteins. Today, RNAs are recognized as active regulatory molecules influencing gene expression, chromatin organization and genome stability, thus impacting all aspects of plant life including development, growth, reproduction and stress tolerance. Innovations in methodologies, the expanding application of next-generation sequencing technologies, and the creation of public datasets and databases have exposed a new universe of RNA-based mechanisms and led to the discovery of new families of non-coding RNAs, uncovered the large extent of alternative splicing events, and highlighted the potential roles of RNA modifications and RNA secondary structures. Furthermore, considerable advances have been made in identifying RNA-binding and processing factors involved in the synthesis and maturation of different forms of RNA molecules as well as in RNA processing, biochemical modifications or degradation. This Research Topic showcases the broad biological significance of RNAs in plant systems and contains eight original research articles, one review and four mini-reviews, covering various RNA-based mechanisms in higher plants. Emerging new technologies and novel multidisciplinary approaches are empowering the scientific community and will expectedly bring novel insights into our understanding of the mechanisms through which RNA is regulated and regulates biological processes in plant cells.

rna society meeting 2024: Biological Indicators of Aquatic Ecosystem Stress S. Marshall Adams, 2002-01-01 *Comprehensive discussion of environmental stressors affecting aquatic ecosystems and organisms *Contributions from leading scientists in the field *Practical manual for students and researchers on the use of biocriteria *A practical guide to the use of biocriteria for assessment of the effects of environmental stressors on aquatic ecosystems and organisms, especially fish. Written by scientists who are experts in their fields, this book provides helpful information for designing and applying bioindicators in the field to reliably assess the health of aquatic organisms and ecosystems. This volume may be used as a manual for scientists, students, and others, in a variety of disciplines and applications

rna society meeting 2024: Strengthening Forensic Science in the United States National Research Council, Division on Engineering and Physical Sciences, Committee on Applied and Theoretical Statistics, Policy and Global Affairs, Committee on Science, Technology, and Law, Committee on Identifying the Needs of the Forensic Sciences Community, 2009-07-29 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.

rna society meeting 2024: DNA James D. Watson, Andrew Berry, 2009-01-21 Fifty years ago, James D. Watson, then just twentyfour, helped launch the greatest ongoing scientific quest of our time. Now, with unique authority and sweeping vision, he gives us the first full account of the genetic revolution—from Mendel’s garden to the double helix to the sequencing of the human genome and beyond. Watson’s lively, panoramic narrative begins with the fanciful speculations of the ancients as to why “like begets like” before skipping ahead to 1866, when an Austrian monk named Gregor Mendel first deduced the basic laws of inheritance. But genetics as we recognize it today—with its capacity, both thrilling and sobering, to manipulate the very essence of living things—came into being only with the rise of molecular investigations culminating in the breakthrough discovery of the structure of DNA, for which Watson shared a Nobel prize in 1962. In the DNA molecule’s graceful curves was the key to a whole new science. Having shown that the secret of life is chemical, modern genetics has set mankind off on a journey unimaginable just a few decades ago. Watson provides the general reader with clear explanations of molecular processes and emerging technologies. He shows us how DNA continues to alter our understanding of human origins, and of our identities as groups and as individuals. And with the insight of one who has remained close to every advance in research since the double helix, he reveals how genetics has unleashed a wealth of possibilities to alter the human condition—from genetically modified foods to genetically modified babies—and transformed itself from a domain of pure research into one of big business as well. It is a sometimes topsy-turvy world full of great minds and great egos, driven by ambitions to improve the human condition as well as to improve investment portfolios, a world vividly captured in these pages. Facing a future of choices and social and ethical implications of which we dare not remain uninformed, we could have no better guide than James Watson, who leads us with the same bravura storytelling that made The Double Helix one of the most successful books on science ever published. Infused with a scientist’s awe at nature’s marvels and a humanist’s profound sympathies, DNA is destined to become the classic telling of the defining scientific saga of our age.

rna society meeting 2024: *Translation Mechanisms and Control* Michael B. Mathews, Nahum Sonenberg, John W. B. Hershey, 2018-09-30 A subject collection from Cold Spring Harbor Perspectives in Biology.

rna society meeting 2024: Minority Biomedical Research Support Program , 1993

rna society meeting 2024: *Regulating with RNA in Bacteria and Archaea* Gisela Storz, Kai Papenfort, 2018-11-01 Revealing the many roles of RNA in regulating gene expression For decades after the discoveries of messenger RNA, transfer RNA, and ribosomal RNA, it was largely assumed that the role of RNA in the cell was limited to shuttling the genomic message, chaperoning amino acids, and toiling in the ribosomes. Eventually, hints that RNA molecules might have regulatory roles

began to appear. With the advent of genomics and bioinformatics, it became evident that numerous other RNA forms exist and have specific functions, including small RNAs (sRNA), RNA thermometers, and riboswitches to regulate core metabolic pathways, bacterial pathogenesis, iron homeostasis, quorum sensing, and biofilm formation. All of these functions, and more, are presented in Regulating with RNA in Bacteria and Archaea, written by RNA biologists from around the globe. Divided into eight sections-RNases and Helicases, Cis-Acting RNAs, Cis Encoded Base Pairing RNAs, Trans-Encoded Base Pairing RNAs, Protein Titration and Scaffolding, General Considerations, Emerging Topics, and Resources-this book serves as an excellent resource for established RNA biologists and for the many scientists who are studying regulated cellular systems. It is no longer a fair assumption that gene expression regulation is the provenance of proteins only or that control is exerted primarily at the level of transcription. This book makes clear that regulatory RNAs are key partners along with proteins in controlling the complex interactions and pathways found within prokaryotes.

rna society meeting 2024: 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.

rna society meeting 2024: Baby Surprise for the Millionaire Ruby Basu, 2022-02-22 The consequence… …of their Maltese nights! Hotel tycoon Nathan Haynes isn't just Saira Dey's first love…he's her best friend's brother! So a reunion at his sister's engagement party is unavoidable. If only it didn't lead to another reunion with Nathan! While Saira can't say no to the bride-to-be's offer of a Maltese getaway, sharing a luxury villa with Nathan makes their unfinished business clear…and they're tempted into a fling. Will the consequence of their Mediterranean nights help them realize they never stopped loving each other?

rna society meeting 2024: Respiratory Drug Delivery (1989) Peter R. Byron, 2018-04-20 The focus of this book is on subjects related to drug delivery to the lung. The text spans topics from aerosol deposition through pharmaceutical chemistry and formulation to the final clinical evaluation of pharmaceutical products. Utilizing a multi-disciplinary approach, the chapters consider toxicology from the point of view of drugs and pharmaceutical excipients used in aerosols.

rna society meeting 2024: Humming Suk-Jun Kim, 2018-12-13 Humming is a ubiquitous and mundane act many of us perform. The fact that we often hum to ourselves, to family members, or to close friends suggests that humming is a personal, intimate act. It can also be a powerful way in which people open up to others and share collective memories. In religious settings such as Tibetan chanting, humming offers a mesmerising sonic experience. Then there are hums that resound regardless of human activity, such as the hums of impersonal objects and man-made or natural phenomena. The first sound studies book to explores the topic of humming, Humming offers a unique examination of the polarising categories of hums, from hums that are performed only to oneself, that are exercised in religious practice, that claim healing, and that resonate with our bodies, to hums that can drive people to madness, that emanate from cities and towns, and that resound in the universe. By acknowledging the quirkiness of hums within the established discourse in sound studies, Humming takes a truly interdisciplinary view on this familiar yet less-trodden sonic concept in sound studies.

rna society meeting 2024: How to Write Romantic Comedy Rhoda Baxter, Jane Lovering, 2020-07

rna society meeting 2024: The Kiwifruit Genome Raffaele Testolin, Hong-Wen Huang, Allan Ross Ferguson, 2016-05-02 This book describes the basic botanical features of kiwifruit and its wild relatives, reports on the steps that led to its genome sequencing, and discusses the results obtained with the assembly and annotation. The core chapters provide essential insights into the main gene families that characterize this species as a crop, including the genes controlling sugar and starch

metabolism, pigment biosynthesis and degradation, the ascorbic-acid pathway, fruit softening and postharvest metabolism, allergens, and resistance to pests and diseases. The book offers a valuable reference guide for taxonomists, geneticists and horticulturists. Further, since information gained from the genome sequence is extraordinarily useful in assessing the breeding value of individuals based on whole-genome scans, it will especially benefit plant breeders. Accordingly, chapters are included that focus on gene introgression from wild relatives and genome-based breeding.

rna society meeting 2024: *The Code Breaker* Walter Isaacson, 2021-03-09 A Best Book of 2021 by Bloomberg BusinessWeek, Time, and The Washington Post The bestselling author of Leonardo da Vinci and Steve Jobs returns with a “compelling” (The Washington Post) account of how Nobel Prize winner Jennifer Doudna and her colleagues launched a revolution that will allow us to cure diseases, fend off viruses, and have healthier babies. When Jennifer Doudna was in sixth grade, she came home one day to find that her dad had left a paperback titled The Double Helix on her bed. She put it aside, thinking it was one of those detective tales she loved. When she read it on a rainy Saturday, she discovered she was right, in a way. As she sped through the pages, she became enthralled by the intense drama behind the competition to discover the code of life. Even though her high school counselor told her girls didn’t become scientists, she decided she would. Driven by a passion to understand how nature works and to turn discoveries into inventions, she would help to make what the book’s author, James Watson, told her was the most important biological advance since his codiscovery of the structure of DNA. She and her collaborators turned a curiosity of nature into an invention that will transform the human race: an easy-to-use tool that can edit DNA. Known as CRISPR, it opened a brave new world of medical miracles and moral questions. The development of CRISPR and the race to create vaccines for coronavirus will hasten our transition to the next great innovation revolution. The past half-century has been a digital age, based on the microchip, computer, and internet. Now we are entering a life-science revolution. Children who study digital coding will be joined by those who study genetic code. Should we use our new evolution-hacking powers to make us less susceptible to viruses? What a wonderful boon that would be! And what about preventing depression? Hmmm…Should we allow parents, if they can afford it, to enhance the height or muscles or IQ of their kids? After helping to discover CRISPR, Doudna became a leader in wrestling with these moral issues and, with her collaborator Emmanuelle Charpentier, won the Nobel Prize in 2020. Her story is an “enthralling detective story” (Oprah Daily) that involves the most profound wonders of nature, from the origins of life to the future of our species.

rna society meeting 2024: The Radleys Matt Haig, 2010-12-28 Soon to be a major film—starring Kelly Macdonald and Damien Lewis! From the bestselling author of The Midnight Library—an “irresistible…full of clever turns, darkly hilarious spins…Even if you're suffering from vampire fatigue…The Radleys is a fun, fresh contribution to the genre” (Associated Press). Just about everyone knows a family like the Radleys. Many of us grew up next door to one. They are a modern family, averagely content, averagely dysfunctional, living in a staid and quiet suburban English town. Peter is an overworked doctor whose wife, Helen, has become increasingly remote and uncommunicative. Rowan, their teenage son, is being bullied at school, and their anemic daughter, Clara, has recently become a vegan. They are typical, that is, save for one devastating exception: Peter and Helen are vampires and have—for seventeen years—been abstaining by choice from a life of chasing blood in the hope that their children could live normal lives. One night, Clara finds herself driven to commit a shocking—and disturbingly satisfying—act of violence, and her parents are forced to explain their history of shadows and lies. A police investigation is launched that uncovers a richness of vampire history heretofore unknown to the general public. And when the malevolent and alluring Uncle Will, a practicing vampire, arrives to throw the police off Clara’s trail, he winds up throwing the whole house into temptation and turmoil and unleashing a host of dark secrets that threaten the Radleys’ marriage. The Radleys is a moving, thrilling, and radiant domestic novel that explores with daring the lengths a parent will go to protect a child, what it costs you to deny your identity, the undeniable appeal of sin, and the everlasting, iridescent bonds of family love. Read it and ask what we grow into when we grow up, and what we gain—and lose—when we deny our

appetites.

rna society meeting 2024: Biocomputing Panos M. Pardalos, J.C. Principe, 2013-12-01 In the quest to understand and model the healthy or sick human body, re searchers and medical doctors are utilizing more and more quantitative tools and techniques. This trend is pushing the envelope of a new field we call Biomedical Computing, as an exciting frontier among signal processing, pattern recognition, optimization, nonlinear dynamics, computer science and biology, chemistry and medicine. A conference on Biocomputing was held during February 25-27, 2001 at the University of Florida. The conference was sponsored by the Center for Applied Optimization, the Computational Neuroengineering Center, the Biomedical En gineering Program (through a Whitaker Foundation grant), the Brain Institute, the School of Engineering, and the University of Florida Research & Graduate Programs. The conference provided a forum for researchers to discuss and present new directions in Biocomputing. The well-attended three days event was highlighted by the presence of top researchers in the field who presented their work in Biocomputing. This volume contains a selective collection of ref ereed papers based on talks presented at this conference. You will find seminal contributions in genomics, global optimization, computational neuroscience, FMRI, brain dynamics, epileptic seizure prediction and cancer diagnostics. We would like to take the opportunity to thank the sponsors, the authors of the papers, the anonymous referees, and Kluwer Academic Publishers for making the conference successful and the publication of this volume possible. Panos M. Pardalos and Jose C.

rna society meeting 2024: *Small Non-Coding RNAs* Mathieu Rederstorff, 2016-10-05 This volume contains state-of-the-art methods tackling all aspects of small non-coding RNAs biology. Small Non-Coding RNAs: Methods and Protocols guides readers through customized dedicated protocols and technologies that will be of valuable help to all those willing to contribute deciphering the numerous functions of small non-coding RNAs. Written in the highly successful Methods of Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols and key tips on troubles troubleshooting and avoiding known pitfalls. Instructive and practical, Small Non-Coding RNAs: Methods and Protocols reaches out to biochemists, cellular and molecular biologists already working in the field of RNA biology and to those just starting to study small non-coding RNAs.

rna society meeting 2024: Where There's Smoke: A Short Story Jodi Picoult, 2014-05-19 Bestselling author Jodi Picoult is a masterful storyteller, who “writes with a fine touch, a sharp eye for detail, and a firm grasp of the delicacy and complexity of human relationships” (The Boston Globe). Now, in this original short story, available exclusively as an eBook, Picoult introduces Serenity Jones, one of the fascinating characters from her eagerly awaited new novel, Leaving Time. Even as a child, Serenity Jones knew she possessed unusual psychic gifts. Now, decades later, she’s an acclaimed medium and host of her own widely viewed TV show, where she delivers messages to the living from loved ones who have passed. Lately, though, her efforts to boost ratings and garner fame have compromised her clairvoyant instincts. When Serenity books a young war widow to appear as a guest, the episode quickly unravels, stirring up a troubling controversy. And as she tries to undo the damage—to both her reputation and her show—Serenity finds that pride comes at a high price. Praise for Jodi Picoult “Picoult is a rare writer who delivers, book after book, a winning combination of the literary and the commercial.”—Entertainment Weekly “Picoult is a solid, lively storyteller.”—The New York Times “If Picoult were a general, she would be Patton; if a sports franchise, the New York Yankees; if a natural phenomenon, the sunrise.”—Tampa Tribune

rna society meeting 2024: Plant Gene Silencing M.A. Matzke, A.J.M. Matzke, 2012-12-06 This book is an up-to-date and comprehensive collection of reviews on various aspects of epigenetic gene silencing in plants. Research on this topic has undergone explosive growth during the past decade and has revealed novel features of gene regulation and plant defense responses that also apply to animals and fungi. Gene silencing is relevant for agricultural biotechnology because stable expression of transgenes is required for the successful commercialization of genetically engineered

crops. The reviews have been written by distinguished authors who have made significant contributions to plant gene silencing research. This volume supersedes other books on gene silencing by focussing on plant systems, where many pioneering experiments have been performed, and by including the latest developments from top laboratories. The book is geared toward advanced students of genetics and plant sciences as well as applied and basic research scientists who work with transgenic organisms and epigenetic regulation of gene expression.

rna society meeting 2024: Drawdown Paul Hawken, 2017-04-18 • New York Times bestseller • The 100 most substantive solutions to reverse global warming, based on meticulous research by leading scientists and policymakers around the world “At this point in time, the Drawdown book is exactly what is needed; a credible, conservative solution-by-solution narrative that we can do it. Reading it is an effective inoculation against the widespread perception of doom that humanity cannot and will not solve the climate crisis. Reported by-effects include increased determination and a sense of grounded hope.” —Per Espen Stoknes, Author, What We Think About When We Try Not To Think About Global Warming “There’s been no real way for ordinary people to get an understanding of what they can do and what impact it can have. There remains no single, comprehensive, reliable compendium of carbon-reduction solutions across sectors. At least until now. . . . The public is hungry for this kind of practical wisdom.” —David Roberts, Vox “This is the ideal environmental sciences textbook—only it is too interesting and inspiring to be called a textbook.” —Peter Kareiva, Director of the Institute of the Environment and Sustainability, UCLA In the face of widespread fear and apathy, an international coalition of researchers, professionals, and scientists have come together to offer a set of realistic and bold solutions to climate change. One hundred techniques and practices are described here—some are well known; some you may have never heard of. They range from clean energy to educating girls in lower-income countries to land use practices that pull carbon out of the air. The solutions exist, are economically viable, and communities throughout the world are currently enacting them with skill and determination. If deployed collectively on a global scale over the next thirty years, they represent a credible path forward, not just to slow the earth’s warming but to reach drawdown, that point in time when greenhouse gases in the atmosphere peak and begin to decline. These measures promise cascading benefits to human health, security, prosperity, and well-being—giving us every reason to see this planetary crisis as an opportunity to create a just and livable world.

rna society meeting 2024: Plant Small RNA Praveen Guleria, Vineet Kumar, 2020-02-19 Plant Small RNA: Biogenesis, Regulation and Application describes the biosynthesis of small RNA in plant systems. With an emphasis on the various molecular mechanisms affected by small RNA and their applications in supporting plant growth and survival, this books presents the basics and most recent advancements in small RNA mediated plant genomics, metabolomics, proteomics and physiology. In addition, it emphasizes the various molecular mechanisms affected by small RNA and their applications in supporting plant growth and survival. Final sections cover the most recent advancements in small RNA mediated plant genomics, metabolomics, proteomics and physiology. - Presents foundational information about small RNA biology and regulation in plants - Includes small RNA pathway advances - Describes the application and scope of small RNA technology for agricultural stability

rna society meeting 2024: *Molecular and Cellular Therapeutics* David Whitehouse, Ralph Rapley, 2012-02-17 Molecular and Cellular Therapeutics aims to bring together key developments in the areas of molecular diagnostics, therapeutics and drug discovery. The book covers topics including diagnostics, therapeutics, model systems, clinical trials and drug discovery. The developing approaches to molecular and cellular therapies, diagnostics and drug discovery are presented in the context of the pathologies they are devised to treat.

rna society meeting 2024: Proceedings of the 21st Annual Meeting of the European Society for Animal Cell Technology (ESACT), Dublin, Ireland, June 7-10, 2009 Nigel Jenkins, Niall Barron, Paula Alves, 2011-09-15 The 21st ESACT conference was held in the beautiful surroundings of the CityWest Hotel resort in Dublin, Ireland. For the first time in ESACT history the

number of participants exceeded 900: a sign of the ever increasing importance of this area. The conference commenced on Sunday June 5th with two sets of parallel workshops on the subjects listed below. An additional workshop was held on Monday lunchtime of the conferenceProcess Analytical Technology (PAT), Quality by Design (QbD) and other recent regulatory developments. 2. Innovative media products for the 21st century biopharmaceutical industry. 3. The impact of high titre media feed-streams on monoclonal antibody purification. 4. Advances in genomics and proteomics. 5. Stem Cell Technology: new developments and clinical applications.

rna society meeting 2024: Non-coding RNAs and Cancer Muller Fabbri, 2013-10-28 The discovery of microRNAs and its role as gene expression regulators in human carcinogenesis represents one of the most important scientific achievements of the last decade. More recently, other non-coding RNAs have been discovered and its implications in cancer are emerging as well, suggesting a broader than anticipated involvement of the non-coding genome in cancer. Moreover, completely new and unexpected functions for microRNAs are being revealed, leading to the identification of new anticancer molecular targets. This book represents a comprehensive guide on non-coding RNAs and cancer, spanning from its role as cancer biomarkers, to providing the most useful bioinformatic tools, to presenting some of the most relevant discoveries, which indicates how these fascinating molecules act as fine orchestrators of cancer biology.

rna society meeting 2024: A Devil of a Duke Madeline Hunter, 2018-04-24 From a New York Times bestselling author comes a Regency romance featuring a decadent duke and a secretary with a secret. HE MAY BE A DEVIL He’s infamous, debaucherous, and known all over town for his complete disregard for scandal, and positively irresistible seductions. Gabriel St. James, Duke of Langford, is obscenely wealthy, jaw-droppingly handsome, and used to getting exactly what he wants. Until his attention is utterly captured by a woman who refuses to tell him her name, but can’t help surrendering to his touch… BUT SHE’S NO ANGEL EITHER… Amanda Waverly is living two lives—one respectable existence as secretary to an upstanding lady, and one far more dangerous battle of wits—and willpower—with the devilish Duke. Langford may be the most tempting man she’s ever met, but Amanda’s got her hands full trying to escape the world of high-society crime into which she was born. And if he figures out who she really is, their sizzling passion will suddenly boil over into a much higher stakes affair… “Rich with scandal and sensuality…Scintillating love scenes are plentiful in this page-turning tale, which is enhanced by a cast of memorable characters and smart, witty protagonists.”—Publishers Weekly, STARRED REVIEW, Best Books of Summer 2018 “Another passionate, adventurous, captivating romance from a grand mistress of the genre. Hunter combines a heated love story with a feminist vibe…Readers will find the pace never slows as they try and keep up with a bold thief and a devilish duke engaged in a subtle game of seduction.”—RT Book Reviews, TOP PICK

rna society meeting 2024: *Forensic Practitioner's Guide to the Interpretation of Complex DNA Profiles* Peter Gill, Øyvind Bleka, Oskar Hansson, Corina Benschop, Hinda Haned, 2020-06-10 Over the past twenty years, there's been a gradual shift in the way forensic scientists approach the evaluation of DNA profiling evidence that is taken to court. Many laboratories are now adopting 'probabilistic genotyping' to interpret complex DNA mixtures. However, current practice is very diverse, where a whole range of technologies are used to interpret DNA profiles and the software approaches advocated are commonly used throughout the world. Forensic Practitioner's Guide to the Interpretation of Complex DNA Profiles places the main concepts of DNA profiling into context and fills a niche that is unoccupied in current literature. The book begins with an introduction to basic forensic genetics, covering a brief historical description of the development and harmonization of STR markers and national DNA databases. The laws of statistics are described, along with the likelihood ratio based on Hardy-Weinberg equilibrium and alternative models considering sub-structuring and relatedness. The historical development of low template mixture analysis, theory and practice, is also described, so the reader has a full understanding of rationale and progression. Evaluation of evidence and statement writing is described in detail, along with common pitfalls and their avoidance. The authors have been at the forefront of the revolution, having made substantial

contributions to theory and practice over the past two decades. All methods described are open-source and freely available, supported by sets of test-data and links to web-sites with further information. This book is written primarily for the biologist with little or no statistical training. However, sufficient information will also be provided for the experienced statistician. Consequently, the book appeals to a diverse audience - Covers short tandem repeat (STR) analysis, including database searching and massive parallel sequencing (both STRs and SNPs) - Encourages dissemination and understanding of probabilistic genotyping by including practical examples of varying complexity - Written by authors intimately involved with software development, training at international workshops and reporting cases worldwide using the methods described in this book

rna society meeting 2024: Epitranscriptomics Stefan Jurga, Jan Barciszewski, 2021-07-28 This book reviews a novel and exciting field of cellular and molecular biology called epitranscriptomics, which focuses on changes in an organism's cells resulting from the posttranscriptional modification of cellular RNA. RNA-binding proteins (RBPs) play a crucial role in these posttranscriptional modifications and also support several cellular processes necessary for maintaining RNA homeostasis. Exploring the mechanisms underlying RNA modifications and RBP function is an emerging area of biomedical research, taking the study of gene regulation a step beyond epigenetics. This book reveals that the RNA molecule is not just an information-carrying molecule with some secondary structures. Accordingly, how RNA is modified, regulated, packaged, and controlled is an important aspect. Leading experts address questions such as where the over 170 distinct posttranscriptional RNA modifications are located on the genome, what percentage of mRNAs and noncoding RNAs these modifications include, and how an RNA modification impacts a person's biology. In closing, the book reviews the role of RNA modifications and RBPs in a variety of diseases and their pathogenesis. Addressing some of the most exciting challenges in epitranscriptomics, this book provides a valuable and engaging resource for researchers in academia and industry studying the phenomena of RNA modification.

rna society meeting 2024: Thinking in Systems Donella Meadows, 2008-12-03 The classic book on systems thinking—with more than half a million copies sold worldwide! This is a fabulous book… This book opened my mind and reshaped the way I think about investing.—Forbes Thinking in Systems is required reading for anyone hoping to run a successful company, community, or country. Learning how to think in systems is now part of change-agent literacy. And this is the best book of its kind.—Hunter Lovins In the years following her role as the lead author of the international bestseller, Limits to Growth—the first book to show the consequences of unchecked growth on a finite planet—Donella Meadows remained a pioneer of environmental and social analysis until her untimely death in 2001. Thinking in Systems is a concise and crucial book offering insight for problem solving on scales ranging from the personal to the global. Edited by the Sustainability Institute's Diana Wright, this essential primer brings systems thinking out of the realm of computers and equations and into the tangible world, showing readers how to develop the systems-thinking skills that thought leaders across the globe consider critical for 21st-century life. Some of the biggest problems facing the world—war, hunger, poverty, and environmental degradation—are essentially system failures. They cannot be solved by fixing one piece in isolation from the others, because even seemingly minor details have enormous power to undermine the best efforts of too-narrow thinking. While readers will learn the conceptual tools and methods of systems thinking, the heart of the book is grander than methodology. Donella Meadows was known as much for nurturing positive outcomes as she was for delving into the science behind global dilemmas. She reminds readers to pay attention to what is important, not just what is quantifiable, to stay humble, and to stay a learner. In a world growing ever more complicated, crowded, and interdependent, Thinking in Systems helps readers avoid confusion and helplessness, the first step toward finding proactive and effective solutions.

rna society meeting 2024: 72nd Annual Meeting of the Italian Society of Physiology: New Perspectives in Physiological Research Giovanna Valenti, Fiorenzo Conti, Andrea Gerbino, Grazia Tamma, 2024-04-15 The 72nd Meeting of the Italian Society of Physiology (SIF) gathers

scientists from universities and institutes across Europe and offers a platform for discussing the most exciting developments in the areas of basic and translational physiology. This Frontiers Research Topic will collect varied contributions from original research to review articles from SIF participants covering key achievements and latest advancements in the field of physiology. This collection is led by Guest Editors Prof. Giovanna Valenti, Prof. Andrea Gerbino and Prof. Grazia Tamma from Università degli Studi di Bari Aldo Moro and Prof. Fiorenzo Conti from Università Politecnica delle Marche, Ancona, Italy.

rna society meeting 2024: *Ocean Mixing* Michael Meredith, Alberto Naveira Garabato, 2021-09-16 Ocean Mixing: Drivers, Mechanisms and Impacts presents a broad panorama of one of the most rapidly-developing areas of marine science. It highlights the state-of-the-art concerning knowledge of the causes of ocean mixing, and a perspective on the implications for ocean circulation, climate, biogeochemistry and the marine ecosystem. This edited volume places a particular emphasis on elucidating the key future questions relating to ocean mixing, and emerging ideas and activities to address them, including innovative technology developments and advances in methodology. Ocean Mixing is a key reference for those entering the field, and for those seeking a comprehensive overview of how the key current issues are being addressed and what the priorities for future research are. Each chapter is written by established leaders in ocean mixing research; the volume is thus suitable for those seeking specific detailed information on sub-topics, as well as those seeking a broad synopsis of current understanding. It provides useful ammunition for those pursuing funding for specific future research campaigns, by being an authoritative source concerning key scientific goals in the short, medium and long term. Additionally, the chapters contain bespoke and informative graphics that can be used in teaching and science communication to convey the complex concepts and phenomena in easily accessible ways. - Presents a coherent overview of the state-of-the-art research concerning ocean mixing - Provides an in-depth discussion of how ocean mixing impacts all scales of the planetary system - Includes elucidation of the grand challenges in ocean mixing, and how they might be addressed

rna society meeting 2024: Superbugs Matt McCarthy, 2019-06-04 Drug-resistant bacteria — known as superbugs — are one of the biggest medical threats of our time. Here, a doctor, researcher, and ethics professor tells the exhilarating story of his race to beat them and save countless lives. When doctor Matt McCarthy first meets Jackson, a mechanic from Queens, it is in the ER, where he has come for treatment for an infected gunshot wound. Usually, antibiotics would be prescribed, but Jackson’s infection is one of a growing number of superbugs, bacteria that have built up resistance to known drugs. He only has one option, and if that doesn’t work he may lose his leg or even his life. On the same day, McCarthy and his mentor Tom Walsh begin work on a groundbreaking clinical trial for a new antibiotic they believe will eradicate certain kinds of superbugs and demonstrate to Big Pharma that investment in these drugs can save millions of lives and prove financially viable. But there are countless hoops to jump through before they can begin administering the drug to patients, and for people like Jackson time is in short supply. Superbugs is a compelling tale of medical ingenuity. From the muddy trenches of the First World War, where Alexander Fleming searched for a cure for soldiers with infected wounds, to breakthroughs in antibiotics and antifungals today that could revolutionise how infections are treated, McCarthy takes the reader on a roller-coaster ride through the history — and future — of medicine. Along the way, we meet patients like Remy, a teenage girl with a dangerous and rare infection; Donny, a retired firefighter with a compromised immune system; and Bill, the author’s own father-in-law, who contracts a deadly staph infection. And we learn about the ethics of medical research: why potentially life-saving treatments are often delayed for years to protect patients from exploitation. Can McCarthy get his trial approved and underway in time to save the lives of his countless patients infected with deadly bacteria, who have otherwise lost all hope?

rna society meeting 2024: Epigenetics C. David Allis, Thomas Jenuwein, Danny Reinberg, Marie-Laure Caparros, 2007 The regulation of gene expression in many biological processes involves epigenetic mechanisms. In this new volume, 24 chapters written by experts in the field discuss

epigenetic effects from many perspectives. There are chapters on the basic molecular mechanisms underpinning epigenetic regulation, discussion of cellular processes that rely on this kind of regulation, and surveys of organisms in which it has been most studied. Thus, there are chapters on histone and DNA methylation, siRNAs and gene silencing; X-chromosome inactivation, dosage compensation and imprinting; and discussion of epigenetics in microbes, plants, insects, and mammals. The last part of the book looks at how epigenetic mechanisms act in cell division and differentiation, and how errors in these pathways contribute to cancer and other human diseases. Also discussed are consequences of epigenetics in attempts to clone animals. This book is a major resource for those working in the field, as well as being a suitable text for advanced undergraduate and graduate courses on gene regulation.

rna society meeting 2024: Neurobiochemistry B. Hamprecht, V. Neuhoff, 2011-11-17 The field of the neurosciences is one of the most rapidly growing in present biological research. Its molecular aspects are dealt with by the discipline of neurobiochemistry. As the theme of the Mosbacher Colloquium, we chose this term rather than the term neurochemistry, in order to stress the dynamic biochemical aspects of present molecu lar neurobiology and to avoid the flavor of being purely descriptive and static, which is frequently associated with the term neurochem istry. This appears the more warranted, since the natural products and analytical chemistry phase of discovering the basic chemical com ponents of the nervous system has passed its culmination. The period of assessment has laid the foundation for studying the dynamic inter play of the various chemical components in the actual biological opera tion of nervous tissue. Thus, neurobiochemis~ry is that part of the neurosciences which is dominated by the ways of thinking and the metho dology of biochemistry. For this Colloquium only topics were selected that deal with the biochemistry of neurons. Thus, we excluded from the agenda other neu ral cells such as glial cells (astrocytes, ependymal cells, oligoden drocytes), meningeal cells, and capillary endothelial cells. This restriction was applied for two reasons: (1) The time available for the meeting did not allow an extensive display of the whole spectrum of neurobiochemical research. (2) The biochemistry of neurons is far more advanced than that of any other cell type of the nervous system •.

核糖核酸（**RNA**） - 知乎
一些RNA是由RNA复制酶（RNA依赖性RNA聚合酶）以RNA为模板催化合成的。比方说，RNA病毒通过RNA复制酶复制其遗传物质。另外，RNA复制酶亦参与了众多生物体的RNA干涉过程 …

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但是，RNA和DNA在组成上的主要差别是：①RNA的糖分子是核糖，DNA的是脱氧核糖，②四种碱基中有一种不同。所以让我们来总结一下他们的物质关系：染色体包含DNA，蛋白质（组分 …

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RNA化学结构，5`端，3`端及五碳糖1号碳位置均标出 从三级结构上来说，DNA为双螺旋结构，RNA根据功能不同有多种结构。如tRNA的三叶草型，mRNA的单链等等，大多RNA都为单 …

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标准 的RNA电泳图，条带是2-3条（这样说可能不是太严谨），提取RNA的质量比较好应该是主要看见的是两条带。从上到下依次是28s，18s和5s。其中主要以28s和18s为主，且前者条带的亮 …

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A260:A230是分光光度计测量RNA溶液的浓度出现的数值，表示样品的纯度。 1、A260nm：核酸的吸收峰测，测RNA，DNA等的浓度用的。

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lncRNA通常由RNA聚合酶II合成，是RNA聚合酶II转录产物之一。 miRNA（microRNA）是一类长度约为21-23核苷酸的小RNA，它们通过与mRNA结合从而抑制目标基因的翻译或降解mRNA。

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Jan 12, 2024 · 测量RNA的表达水平是分子生物学研究中的重要环节之一，可以帮助我们理解基因的调控机制和细胞功能。以下是几种常用的测量RNA表达水平的方法： 1. 实时定量聚合酶链 …

RNA-seq测序P值矫正后差异基因减少太多，可以用未矫正的p值 …
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单细胞测序中拟时序分析和**RNA**速率两个高级分析有哪些区别呢?
RNA速率原理：将测序结果与潜在的mRNA剪接动力学相联系，通过区分未剪接的mRNA 和剪接后的mRNA，可以近似地了解mRNA丰度 (RNA 速度)的变化。然后，通过mRNA的速度组合 …

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RNA化学结构，5`端，3`端及五碳糖1号碳位置均标出 从三级结构上来说，DNA为双螺旋结构，RNA根据功能不同有多种结构。如tRNA的三叶草型，mRNA的单链等等，大多RNA都为单 …

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