

Read Book Instructions For Authors Journal Of Neuroscience Pdf For Free

Frontiers in Cognitive Neuroscience May 03 2020 *Frontiers in Cognitive Neuroscience* is the first book of extensive readings in an exciting new field that is built on the assumption that "the mind is what the brain does," and that seeks to understand how brain function gives rise to mental activities such as perception, memory, and language. The editors, a cognitive scientist and a neuroscientist, have worked together to select contributions that provide the interdisciplinary foundations of this emerging field, putting them into context, both historically and with regard to current issues. Fifty-five articles are grouped in sections that cover attention, vision, auditory and somatosensory systems, memory, and higher cortical functions. They range from Gazzaniga and Bogen's discussion of functional effects of sectioning the cerebral commissure in man and Geschwind's classic study of the organization of language in the brain, published in the 1960s, to contemporary investigations by Schiller and Logothetis on color-opponent and broad-band channels of the primate visual system and by Bekkers and Stevens on presynaptic mechanisms for long-term potentiation in the hippocampus. The editors have provided both a general introduction and introductions to each of the five major sections.

Oxford Handbook of Developmental Behavioral Neuroscience

Nov 08 2020 This is a seminal reference work in the field of developmental behavioural neuroscience, which has emerged in recent years as an important sister discipline to developmental psychobiology. The handbook provides an introduction to recent advances in research at the intersection of developmental science and behavioural neuroscience.

[The Soul in the Brain](#) Jul 29 2022 By examining the breakdown of language in several neuropsychiatric disorders, neuroscientists have identified brain circuits that are involved with metaphor, poetry, music, and religious experiences.

Supplement ... to the European Journal of Neuroscience Jun 15 2021

Handbook of Neuroscience for the Behavioral Sciences, Volume 2 Apr 13 2021 As technology has made imaging of the brain noninvasive and inexpensive, nearly every psychologist in every subfield is using pictures of the brain to show biological connections to feelings and behavior. *Handbook of Neuroscience for the Behavioral Sciences, Volume II* provides psychologists and other behavioral scientists with a solid foundation in the increasingly critical field of neuroscience. Current and accessible, this volume provides the information they need to understand the new biological bases, research tools, and implications of brain and gene research as it relates to psychology.

[Journal of Neuroscience Methods](#) Feb 04 2023

Journal of Neuroscience Research Jan 03 2023

Contextual Cognition Apr 01 2020 This Brief introduces two empirically grounded models of situated mental phenomena: contextual social cognition (the collection of psychological processes underlying context-dependent social behavior) and action-language coupling (the integration of ongoing actions with movement-related verbal information). It combines behavioral, neuroscientific, and neuropsychiatric perspectives to forge a novel view of contextual influences on active, multi-domain processes. Chapters highlight the models' translational potential for the clinical field by focusing on diseases compromising social cognition (mainly illustrated by behavioral variant frontotemporal dementia) and motor skills (crucially, Parkinson's disease). A final chapter sets forth metatheoretical considerations regarding intercognition, the constant binding of processes triggered by environmental and body-internal sources, which confers a *sensus communis* to our experience. In addition, the book includes two commentaries written by external peers pondering on advantages and limits of the proposal. *Contextual Cognition* will be of interest to students, teachers, and researchers from the fields of cognitive science, neurology, psychiatry, neuroscience, psychology, behavioral science, linguistics, and philosophy.

The Oxford Handbook of Invertebrate Neurobiology Jun 27 2022 Invertebrates have proven to be extremely useful model systems for gaining insights into the neural and molecular mechanisms of sensory processing, motor control and higher functions such as feeding behavior, learning and memory, navigation, and social behavior. A major factor in their enormous contributions to neuroscience is the relative simplicity of invertebrate nervous systems. In addition, some invertebrates, primarily the molluscs, have large cells, which allow analyses to take place at the level of individually identified neurons. Individual neurons can be surgically removed and assayed for expression of membrane channels, levels of second messengers, protein phosphorylation, and RNA and protein synthesis. Moreover, peptides and nucleotides can be injected into individual neurons. Other invertebrate model systems such as *Drosophila* and *Caenorhabditis elegans* offer tremendous advantages for obtaining insights into the neuronal bases of behavior through the application of genetic approaches. *The Oxford Handbook of Invertebrate Neurobiology* reviews the many neurobiological principles that have emerged from invertebrate analyses, such as motor pattern generation, mechanisms of synaptic transmission, and learning and memory. It also covers general features of the neurobiology of invertebrate circadian rhythms, development, and regeneration and reproduction. Some neurobiological phenomena are species-specific and diverse, especially in the domain of the neuronal control of locomotion and camouflage. Thus, separate chapters are provided on

the control of swimming in annelids, crustacea and molluscs, locomotion in hexapods, and camouflage in cephalopods. Unique features of the handbook include chapters that review social behavior and intentionality in invertebrates. A chapter is devoted to summarizing past contributions of invertebrates to the understanding of nervous systems and identifying areas for future studies that will continue to advance that understanding.

Evolutionary Psychology: Neuroscience Perspectives concerning Human Behavior and Experience Jan 29 2020 This book brings together current perspectives concerning the manner in which human mind, behavior and experience evolved. In addition to the traditional psychological literature, it draws from work in the cognitive and affective neurosciences, ethology, and genetics. The focus will be on a unification and integration of evolutionary understandings within a broader consideration.

Encyclopedia of Neuroscience Dec 10 2020 A multimedia encyclopedia featuring alphabetically arranged articles, EMBASE abstracts of recently published articles in neuroscience journals, animations, video clips and sound. Also includes direct access to relevant WWW sites, interactive atlas, 3D views and virtual sections of the human brain.

Endocannabinoid Signaling Feb 21 2022 This volume encompasses all major methodologies to interrogate endocannabinoid systems (ECS) and endocannabinoids (eCBs) signaling. With increasing interest towards the manifold activities of eCBs, this book discusses the chemical, biochemical, and molecular biological assays, and activity of distinct elements of the ECS. These include membrane, nuclear receptors, biosynthetic and hydrolytic enzymes, and membrane transporters and oxidative enzymes. Written in the highly successful *Methods in 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 tips on troubleshooting and avoiding known pitfalls. Timely and cutting edge, *Endocannabinoid Signaling: Methods and Protocols* is a valuable resource and will help chemists, drug designers, biochemists, molecular biologists, cell biologists, pharmacologists, and (electro) physiologists navigate the mare magnum of endocannabinoid research. [Handbook of Neuroscience for the Behavioral Sciences, Volume 1](#) Aug 30 2022 As technology has made imaging of the brain noninvasive and inexpensive, nearly every psychologist in every subfield is using pictures of the brain to show biological connections to feelings and behavior. *Handbook of Neuroscience for the Behavioral Sciences, Volume I* provides psychologists and other behavioral scientists with a solid foundation in the increasingly critical field of neuroscience. Current and accessible, this volume provides the information they need to understand the new biological bases, research tools, and

implications of brain and gene research as it relates to psychology.

The Little Book of Neuroscience Haiku Sep 30 2022 Fun, informative poetry about the brain. Elephant on brain "You have a lot on your mind" Neurologist says. The brain has fascinated philosophers and scientists for centuries. And why not? It is perhaps the most mysterious thing in the universe. Yet it's probably safe to say that The Little Book of Neuroscience Haiku approaches the brain in a way that no one has before. Neuroscientist Eric H. Chudler has created a whimsical yet educational book of haiku about the brain, each poem conforming to the strict definition of the Japanese verse form: three lines containing five syllables, seven syllables, and five syllables. Organized in three parts, one part discusses places (areas of the brain); one takes up things (such as brain scans); and one is about people (such as the researchers who have helped us learn about this elusive organ). Extensive notes complete the book, educating readers in an amusing, poetic, and at times moving fashion. This book will be sure to delight science readers.

The Fine Arts, Neurology, and Neuroscience Nov 20 2021 This well-established international series examines major areas of basic and clinical research within neuroscience, as well as emerging and promising subfields. This volume explores the history and modern perspective on neurology and neuroscience. This well-established international series examines major areas of basic and clinical research within neuroscience, as well as emerging and promising subfields This volume explores the history and modern perspective on neurology and neuroscience

The Neuroscience of Creativity Jul 05 2020 What happens in our brains when we compose a melody, write a poem, paint a picture, or choreograph a dance sequence? How is this different from what occurs in the brain when we generate a new theory or a scientific hypothesis? In this book, Anna Abraham reveals how the tools of neuroscience can be employed to uncover the answers to these and other vital questions. She explores the intricate workings of our creative minds to explain what happens in our brains when we operate in a creative mode versus an uncreative mode. The vast and complex field that is the neuroscience of creativity is disentangled and described in an accessible manner, balancing what is known so far with critical issues that are as yet unresolved. Clear guidelines are also provided for researchers who pursue the big questions in their bid to discover the creative mind.

Welcome to Your Brain Oct 20 2021 Challenges popular myths while drawing on recent findings in neuroscience to offer insight into how the human brain actually works, sharing additional information on a wide variety of topics, from the brain's role in religious beliefs and ways of coping with jet lag to the differences between male and female brains.

Neuroscience of Rule-Guided Behavior Jan 11 2021 Neuroscience of Rule-Guided Behavior brings together, for the first time, the experiments and theories that have created the new science of rules. Rules are central to human behavior, but until now the field of neuroscience lacked a synthetic approach to understanding them. How

are rules learned, retrieved from memory, maintained in consciousness and implemented? How are they used to solve problems and select among actions and activities? How are the various levels of rules represented in the brain, ranging from simple conditional ones if a traffic light turns red, then stop to rules and strategies of such sophistication that they defy description? And how do brain regions interact to produce rule-guided behavior? These are among the most fundamental questions facing neuroscience, but until recently there was relatively little progress in answering them. It was difficult to probe brain mechanisms in humans, and expert opinion held that animals lacked the capacity for such high-level behavior. However, rapid progress in neuroimaging technology has allowed investigators to explore brain mechanisms in humans, while increasingly sophisticated behavioral methods have revealed that animals can and do use high-level rules to control their behavior. The resulting explosion of information has led to a new science of rules, but it has also produced a plethora of overlapping ideas and terminology and a field sorely in need of synthesis. In this book, Silvia Bunge and Jonathan Wallis bring together the world's leading cognitive and systems neuroscientists to explain the most recent research on rule-guided behavior. Their work covers a wide range of disciplines and methods, including neuropsychology, functional magnetic resonance imaging, neurophysiology, electroencephalography, neuropharmacology, near-infrared spectroscopy, and transcranial magnetic stimulation. This unprecedented synthesis is a must-read for anyone interested in how complex behavior is controlled and organized by the brain.

Minds Behind the Brain Aug 06 2020 Traces the study of the brain from the ancient Egyptians, through the classical world of Hippocrates, the time of Descartes, and the era of Broca, to modern researchers such as Sperry, and examines their sources and tools. *Music, Neurology, and Neuroscience: Historical Connections and Perspectives* Dec 30 2019 Music, Neurology, and Neuroscience: Historical Connections and Perspectives provides a broad and comprehensive discussion of history and new discoveries regarding music and the brain, presenting a multidisciplinary overview on music processing, its effects on brain plasticity, and the healing power of music in neurological and psychiatric disorders. In this context, the disorders that plagued famous musicians and how they affected both performance and composition are critically discussed, as is music as medicine and its potential health hazard. Additional topics, including the way music fits into early conceptions of localization of function in the brain, its cultural roots in evolution, and its important roles in societies and educational systems are also explored. Examines music and the brain both historically and in the light of the latest research findings The largest and most comprehensive volume on "music and neurology" ever written Written by a unique group of real world experts representing a variety of fields, ranging from history of science and medicine, to neurology and musicology Includes a discussion of the way music has cultural roots in evolution and its important role in societies

Neuroscience for Psychologists May 15 2021 This textbook is intended to give an introduction to neuroscience for students and researchers with no biomedical background. Primarily written for psychologists, this volume is a digest giving a rapid but solid overview for people who want to inform themselves about the core fields and core concepts in neuroscience but don't need so many anatomical or biochemical details given in "classical" textbooks for future doctors or biologists. It does not require any previous knowledge in basic science, such as physics or chemistry. On the other hand, it contains chapters that do go beyond the issues dealt with in most neuroscience textbooks: One chapter about mathematical modelling in neuroscience and another about "tools of neuroscience" explaining important methods. The book is divided in two parts. The first part presents core concepts in neuroscience: Electrical Signals in the Nervous System Basics of Neuropharmacology Neurotransmitters The second part presents an overview of the neuroscience fields of special interest for psychology: Clinical Neuropharmacology Inputs, Outputs and Multisensory Processing Neural Plasticity in Humans Mathematical Modeling in Neuroscience Subjective Experience and its Neural Basis The last chapter, "Tools of Neuroscience" presents important methodological approaches in neuroscience with a special focus on brain imaging. Neuroscience for Psychologists aims to fill a gap in the teaching literature by providing an introductory text for psychology students that can also be used in other social sciences courses, as well as a complement in courses of neurophysiology, neuropharmacology or similar in careers outside as well as inside biological or medical fields. Students of data sciences, chemistry and physics as well as engineering interested in neuroscience will also profit from the text. **Principles and Practice of Movement Disorders E-Book** Mar 13 2021 Principles and Practice of Movement Disorders provides the complete, expert guidance you need to diagnose and manage these challenging conditions. Drs. Stanley Fahn, Joseph Jankovic and Mark Hallett explore all facets of these disorders, including the latest rating scales for clinical research, neurochemistry, clinical pharmacology, genetics, clinical trials, and experimental therapeutics. This edition features many new full-color images, additional coverage of pediatric disorders, updated Parkinson information, and many other valuable updates. An accompanying Expert Consult website makes the content fully searchable and contains several hundred video clips that illustrate the manifestations of all the movement disorders in the book along with their differential diagnoses. Get just the information you need for a clinical approach to diagnosis and management, with minimal emphasis on basic science. Find the answers you need quickly and easily thanks to a reader-friendly full-color format, with plentiful diagrams, photographs, and tables. Apply the latest advances to diagnosis and treatment of pediatric movement disorders, Parkinson disease, and much more. View the characteristic presentation of each disorder with a complete collection of professional-quality, narrated videos online. Better visualize every concept with new full-color illustrations throughout. Search the complete text online, follow links to PubMed abstracts, and download all of the illustrations, at

www.expertconsult.com.

Network Neuroscience Jan 23 2022 Studying brain networks has become a truly interdisciplinary endeavor, attracting students and seasoned researchers alike from a wide variety of academic backgrounds. What has been lacking is an introductory textbook that brings together the different fields and provides a gentle introduction to the major concepts and findings in the emerging field of network neuroscience. Network Neuroscience is a one-stop-shop that is of equal use to the neurobiologist, who is interested in understanding the quantitative methods employed in network neuroscience, and to the physicist or engineer, who is interested in neuroscience applications of mathematical and engineering tools. The book spans 27 chapters that cover everything from individual cells all the way to complex network disorders such as depression and autism spectrum disorders. An additional 12 toolboxes provide the necessary background for making network neuroscience accessible independent of the reader's background. Dr. Flavio Frohlich (www.networkneuroscientist.org) wrote this book based on his experience of mentoring dozens of trainees in the Frohlich Lab, from undergraduate students to senior researchers. The Frohlich lab (www.frohlichlab.org) pursues a unique and integrated vision that combines computer simulations, animal model studies, human studies, and clinical trials with the goal of developing novel brain stimulation treatments for psychiatric disorders. The book is based on a course he teaches at UNC that has attracted trainees from many different departments, including neuroscience, biomedical engineering, psychology, cell biology, physiology, neurology, and psychiatry. Dr. Frohlich has consistently received rave reviews for his teaching. With this book he hopes to make his integrated view of neuroscience available to trainees and researchers on a global scale. His goal is to make the book the training manual for the next generation of (network) neuroscientists, who will be fusing biology, engineering, and medicine to unravel the big questions about the brain and to revolutionize psychiatry and neurology. Easy-to-read, comprehensive introduction to the emerging field of network neuroscience Includes 27 chapters packed with information on topics from single neurons to complex network disorders such as depression and autism Features 12 toolboxes serve as primers to provide essential background knowledge in the fields of biology, mathematics, engineering, and physics

Blinded by Science Mar 25 2022 There's no hotter area of science, at least as far as the general media and laypeople are concerned, than neuroscience--every day we hear of dramatic, surprising discoveries that seem to have the potential to utterly change our understanding of how the mind works. This book offers the first thorough review of such claims and the new biological science behind them. It examines the actual and potential applications of neuroscience within social policy and the impact of neuroscientific discoveries on long-standing moral debates and professional practices throughout social work, mental health practice, and criminal justice.

Journal of Neuroscience Research Volumes Twenty Five to Twenty Seven Nineteen Hundred Ninety Oct 08 2020

The Journal of Neuroscience May 07 2023

Neurobiology of Language Nov 01 2022 Neurobiology of Language explores the study of language, a field that has seen tremendous progress in the last two decades. Key to this progress is the accelerating trend toward integration of neurobiological approaches with the more established understanding of language within cognitive psychology, computer science, and linguistics. This volume serves as the definitive reference on the neurobiology of language, bringing these various advances together into a single volume of 100 concise entries. The organization includes sections on the field's major subfields, with each section covering both empirical data and theoretical perspectives. "Foundational" neurobiological coverage is also provided, including neuroanatomy, neurophysiology, genetics, linguistic, and psycholinguistic data, and models. Foundational reference for the current state of the field of the neurobiology of language Enables brain and language researchers and students to remain up-to-date in this fast-moving field that crosses many disciplinary and subdisciplinary boundaries Provides an accessible entry point for other scientists interested in the area, but not actively working in it - e.g., speech therapists, neurologists, and cognitive psychologists Chapters authored by world leaders in the field - the broadest, most expert coverage available

International Journal of Neuroscience Mar 05 2023

Literature, Neurology, and Neuroscience: Neurological and Psychiatric Disorders Mar 01 2020 This well-established international series examines major areas of basic and clinical research within neuroscience, as well as emerging and promising subfields. This volume on the neurosciences, neurology, and literature vividly shows how science and the humanities can come together --- and have come together in the past. Its sections provide a new, broad look at these interactions, which have received surprisingly little attention in the past. Experts in the field cover literature as a window to neurological and scientific zeitgeists, theories of brain and mind in literature, famous authors and their suspected neurological disorders, and how neurological disorders and treatments have been described in literature. In addition, a myriad of other topics are covered, including some on famous authors whose important connections to the neurosciences have been overlooked (e.g., Roget, of Thesaurus fame), famous neuroscientists who should also be associated with literature, and some overlooked scientific and medical men who helped others produce great literary works (e.g., Bram Stoker's Dracula). There has not been a volume with this coverage in the past, and the connections it provides should prove fascinating to individuals in science, medicine, history, literature, and various other disciplines. This book looks at literature, medicine, and the brain sciences both historically and in the light of the newest scholarly discoveries and insights

Current Protocols in Neuroscience Dec 02 2022 Current Protocols in Neuroscience (CPN) draws from techniques in molecular neurobiology, neurophysiology, neuroanatomy, neuropharmacology, and behavioral neuroscience to meet the specific needs of researchers in the full range of disciplines that is involved in studying the brain,

nervous system, and corresponding behaviors. The editorial board of CPN have assembled an outstanding range of methods to enable users to explore their fields in greater depth and branch into related areas. The one-volume, looseleaf manual features carefully edited techniques with authors' troubleshooting tips and helpful comments that come from extensive experience in using these procedures. Quarterly updates, filed into the looseleaf, keep you and your laboratory current with the latest developments in this rapidly changing field. The initial purchase includes one year of updates and then subscribers may renew their annual subscriptions. Current Protocols publishes a family of laboratory manuals for bioscientists, including Molecular Biology, Immunology, Human Genetics, Protein Science, Cytometry, Cell Biology, Pharmacology, and Toxicology.

Ionic Channels of Excitable Membranes Jul 17 2021 This new, fully revised and expanded edition of Ionic Channels of Excitable Membranes includes new chapters on fast chemical synapses, modulation through G protein coupled receptors and second messenger systems, molecules cloning, site directed mutagenesis, and cell biology. It begins with the classical biophysical work of Hodgkin and Huxley and then weaves a description of the known ionic channels together with their biological functions. The book continues by developing the physical and molecular principles needed for explaining permeation, gating, pharmacological modification, and molecular diversity, and ends with a discussion of channel evolution. Ionic Channels of Excitable Membranes is written to be accessible and interesting to biological and physical scientists of all kinds.

Handbook of Psychology, Behavioral Neuroscience Feb 09 2021 Psychology is of interest to academics from many fields, as well as to the thousands of academic and clinical psychologists and general public who can't help but be interested in learning more about why humans think and behave as they do. This award-winning twelve-volume reference covers every aspect of the ever-fascinating discipline of psychology and represents the most current knowledge in the field. This ten-year revision now covers discoveries based in neuroscience, clinical psychology's new interest in evidence-based practice and mindfulness, and new findings in social, developmental, and forensic psychology.

The Journal of Neuroscience Jun 03 2020

Neuroscience: Exploring the Brain, Enhanced Edition May 27 2022 Acclaimed for its clear, friendly style, excellent illustrations, leading author team, and compelling theme of exploration, Neuroscience: Exploring the Brain, Fourth Edition takes a fresh, contemporary approach to the study of neuroscience, emphasizing the biological basis of behavior. The authors' passion for the dynamic field of neuroscience is evident on every page, engaging students and helping them master the material. In just a few years, the field of neuroscience has been transformed by exciting new technologies and an explosion of knowledge about the brain. The human genome has been sequenced, sophisticated new methods have been developed for genetic engineering, and new methods have been introduced to enable visualization and stimulation of specific types of nerve cells and

connections in the brain. The Fourth Edition has been fully updated to reflect these and other rapid advances in the field, while honoring its commitment to be student-friendly with striking new illustrations.

Adenosine Receptors in Neurodegenerative Diseases Aug 18

2021 Adenosine Receptors in Neurodegenerative Diseases covers the role of adenosine receptors in brain function, also focusing on related methodologies and perspectives in therapeutics. The book provides an up-to-date overview by the best specialists in the field, helping readers consider the importance of adenosine and expand the global impact and visibility of adenosine research in the CNS field. Chapters include adenosine biology and signaling, gene regulation, control of motor function, and novel adenosine-based therapies in the CNS. It is an ideal resource for researchers, advanced graduate students, clinicians, and industry scientists working in the fields of clinical neuroscience and molecular and cellular neuroscience. Comprehensive reference that details adenosine receptors in neurodegenerative disorders, with details on brain function and possible therapeutics Gives insights on how these receptors modulate the neurodegenerative outcomes in different disorders Edited by two of the leading researchers in the field regarding adenosine role in the brain in aging and neurodegenerative conditions

Brain and Mind Apr 25 2022

Neuroscience and Philosophy Sep 18 2021 Philosophers and neuroscientists address central issues in both fields, including

morality, action, mental illness, consciousness, perception, and memory. Philosophers and neuroscientists grapple with the same profound questions involving consciousness, perception, behavior, and moral judgment, but only recently have the two disciplines begun to work together. This volume offers fourteen original chapters that address these issues, each written by a team that includes at least one philosopher and one neuroscientist who integrate disciplinary perspectives and reflect the latest research in both fields. Topics include morality, empathy, agency, the self, mental illness, neuroprediction, optogenetics, pain, vision, consciousness, memory, concepts, mind wandering, and the neural basis of psychological categories. The chapters first address basic issues about our social and moral lives: how we decide to act and ought to act toward each other, how we understand each other's mental states and selves, and how we deal with pressing social problems regarding crime and mental or brain health. The following chapters consider basic issues about our mental lives: how we classify and recall what we experience, how we see and feel objects in the world, how we ponder plans and alternatives, and how our brains make us conscious and create specific mental states.

The Journal of Neuroscience Apr 06 2023

Sex and Gender Bias in Technology and Artificial Intelligence Sep 06

2020 Sex and Gender Bias in Technology and Artificial Intelligence:

Biomedicine and Healthcare Applications details the integration of sex and gender as critical factors in innovative technologies (artificial intelligence, digital medicine, natural language processing, robotics) for biomedicine and healthcare applications. By systematically reviewing existing scientific literature, a multidisciplinary group of international experts analyze diverse aspects of the complex relationship between sex and gender, health and technology, providing a perspective overview of the pressing need of an ethically-informed science. The reader is guided through the latest implementations and insights in technological areas of accelerated growth, putting forward the neglected and overlooked aspects of sex and gender in biomedical research and healthcare solutions that leverage artificial intelligence, biosensors, and personalized medicine approaches to predict and prevent disease outcomes. The reader comes away with a critical understanding of this fundamental issue for the sake of better future technologies and more effective clinical approaches. First comprehensive title addressing the topic of sex and gender biases and artificial intelligence applications to biomedical research and healthcare Co-published by the Women's Brain Project, a leading non-profit organization in this area Guides the reader through important topics like the Generation of Clinical Data, Clinical Trials, Big Data Analytics, Digital Biomarkers, Natural Language Processing **The Intact and Sliced Brain** Dec 22 2021 Connecting in vitro and in vivo studies of the mammalian brain.