

AFFECTIVE NEUROSCIENCE JOURNAL

AFFECTIVE NEUROSCIENCE JOURNAL REPRESENTS A PIVOTAL RESOURCE FOR RESEARCHERS, CLINICIANS, AND SCHOLARS INTERESTED IN THE SCIENTIFIC STUDY OF EMOTIONS AND THEIR NEURAL UNDERPINNINGS. THIS SPECIALIZED PUBLICATION FOCUSES ON THE INTERDISCIPLINARY FIELD OF AFFECTIVE NEUROSCIENCE, WHICH COMBINES PSYCHOLOGY, NEUROSCIENCE, AND COGNITIVE SCIENCE TO EXPLORE HOW EMOTIONS ARE PROCESSED IN THE BRAIN. THE AFFECTIVE NEUROSCIENCE JOURNAL SERVES AS AN AUTHORITATIVE PLATFORM FOR DISSEMINATING ORIGINAL RESEARCH ARTICLES, REVIEWS, AND THEORETICAL DISCUSSIONS RELATED TO EMOTIONAL PROCESSES, BRAIN MECHANISMS, AND BEHAVIORAL OUTCOMES. IT COVERS A BROAD RANGE OF TOPICS INCLUDING EMOTIONAL REGULATION, AFFECTIVE DISORDERS, NEURAL CIRCUITRY, AND THE IMPACT OF EMOTIONS ON COGNITION AND BEHAVIOR. THIS ARTICLE PROVIDES AN IN-DEPTH OVERVIEW OF THE AFFECTIVE NEUROSCIENCE JOURNAL, HIGHLIGHTING ITS SCOPE, KEY RESEARCH THEMES, PUBLICATION STANDARDS, AND ITS ROLE IN ADVANCING THE UNDERSTANDING OF EMOTIONAL BRAIN FUNCTIONS. THE FOLLOWING SECTIONS WILL DETAIL THE JOURNAL'S FOCUS AREAS, SUBMISSION GUIDELINES, IMPACT ON THE FIELD, AND EMERGING TRENDS IN AFFECTIVE NEUROSCIENCE RESEARCH.

- SCOPE AND FOCUS OF THE AFFECTIVE NEUROSCIENCE JOURNAL
- KEY RESEARCH THEMES IN AFFECTIVE NEUROSCIENCE
- PUBLICATION PROCESS AND STANDARDS
- IMPACT AND INFLUENCE IN THE SCIENTIFIC COMMUNITY
- EMERGING TRENDS AND FUTURE DIRECTIONS

SCOPE AND FOCUS OF THE AFFECTIVE NEUROSCIENCE JOURNAL

THE AFFECTIVE NEUROSCIENCE JOURNAL IS DEDICATED TO PUBLISHING HIGH-QUALITY RESEARCH THAT ELUCIDATES THE NEURAL MECHANISMS UNDERLYING EMOTIONAL PROCESSES. IT BRIDGES VARIOUS DISCIPLINES SUCH AS PSYCHOLOGY, NEUROLOGY, PSYCHIATRY, AND COGNITIVE SCIENCE TO PROVIDE COMPREHENSIVE INSIGHTS INTO HOW EMOTIONS ARE GENERATED, EXPERIENCED, AND REGULATED. THE JOURNAL COVERS EXPERIMENTAL STUDIES, CLINICAL RESEARCH, NEUROIMAGING FINDINGS, AND COMPUTATIONAL MODELS RELATED TO AFFECTIVE FUNCTIONING.

INTERDISCIPLINARY APPROACH

THE JOURNAL EMPHASIZES AN INTERDISCIPLINARY APPROACH, ENCOURAGING SUBMISSIONS THAT INTEGRATE BEHAVIORAL DATA, NEUROBIOLOGICAL METHODS, AND THEORETICAL FRAMEWORKS. THIS APPROACH FOSTERS A DEEPER UNDERSTANDING OF AFFECTIVE PHENOMENA BY COMBINING PERSPECTIVES FROM DIFFERENT SCIENTIFIC DOMAINS.

AUDIENCE AND CONTRIBUTORS

ITS PRIMARY AUDIENCE INCLUDES NEUROSCIENTISTS, PSYCHOLOGISTS, CLINICIANS, AND ACADEMIC RESEARCHERS. CONTRIBUTORS OFTEN INCLUDE EXPERTS IN NEUROIMAGING, PSYCHOPHYSIOLOGY, BEHAVIORAL NEUROSCIENCE, AND CLINICAL PSYCHOLOGY WHO INVESTIGATE EMOTIONAL DISORDERS, BRAIN-BEHAVIOR RELATIONSHIPS, AND AFFECTIVE REGULATION MECHANISMS.

KEY RESEARCH THEMES IN AFFECTIVE NEUROSCIENCE

THE AFFECTIVE NEUROSCIENCE JOURNAL ADDRESSES A WIDE RANGE OF CORE TOPICS THAT ELUCIDATE THE COMPLEX RELATIONSHIP BETWEEN BRAIN FUNCTION AND EMOTIONAL EXPERIENCE. THESE THEMES HIGHLIGHT THE DIVERSITY AND DEPTH OF

NEURAL CIRCUITS OF EMOTION

ONE MAJOR THEME INVOLVES IDENTIFYING AND CHARACTERIZING NEURAL CIRCUITS RESPONSIBLE FOR EMOTIONAL PROCESSING. RESEARCH OFTEN FOCUSES ON BRAIN REGIONS SUCH AS THE AMYGDALA, PREFRONTAL CORTEX, INSULA, AND HIPPOCAMPUS, EXPLORING THEIR ROLES IN FEAR, REWARD, MOTIVATION, AND SOCIAL EMOTIONS.

EMOTIONAL REGULATION AND DYSREGULATION

STUDIES FREQUENTLY INVESTIGATE THE MECHANISMS UNDERLYING EMOTIONAL REGULATION, INCLUDING HOW INDIVIDUALS CONTROL OR MODIFY THEIR EMOTIONAL RESPONSES. THIS AREA IS CRITICAL FOR UNDERSTANDING AFFECTIVE DISORDERS SUCH AS DEPRESSION, ANXIETY, AND BIPOLAR DISORDER.

IMPACT OF EMOTION ON COGNITION AND BEHAVIOR

ANOTHER IMPORTANT AREA EXPLORES HOW EMOTIONS INFLUENCE DECISION-MAKING, MEMORY, ATTENTION, AND SOCIAL INTERACTIONS. THE JOURNAL PUBLISHES RESEARCH ON THE BIDIRECTIONAL RELATIONSHIP BETWEEN AFFECT AND COGNITIVE PROCESSES.

CLINICAL AND TRANSLATIONAL RESEARCH

THE AFFECTIVE NEUROSCIENCE JOURNAL ALSO FEATURES CLINICAL STUDIES THAT EXAMINE EMOTIONAL DYSFUNCTION IN PSYCHIATRIC AND NEUROLOGICAL CONDITIONS. TRANSLATIONAL RESEARCH BRIDGES BASIC NEUROSCIENCE FINDINGS WITH THERAPEUTIC APPLICATIONS, ADVANCING TREATMENTS FOR EMOTIONAL DISORDERS.

- NEURAL CIRCUITRY OF EMOTIONAL RESPONSES
- MECHANISMS OF EMOTIONAL REGULATION
- EMOTION-COGNITION INTERACTIONS
- CLINICAL IMPLICATIONS FOR AFFECTIVE DISORDERS

PUBLICATION PROCESS AND STANDARDS

THE AFFECTIVE NEUROSCIENCE JOURNAL ADHERES TO RIGOROUS PUBLICATION STANDARDS TO ENSURE THE INTEGRITY AND QUALITY OF ITS CONTENT. IT MAINTAINS A PEER-REVIEW PROCESS THAT INVOLVES EVALUATION BY EXPERTS IN THE FIELD, ENSURING THAT PUBLISHED STUDIES MEET HIGH SCIENTIFIC AND ETHICAL STANDARDS.

SUBMISSION GUIDELINES

AUTHORS SUBMITTING MANUSCRIPTS MUST COMPLY WITH DETAILED GUIDELINES REGARDING STUDY DESIGN, DATA REPORTING, AND ETHICAL CONSIDERATIONS. THE JOURNAL ENCOURAGES THE USE OF ROBUST METHODOLOGIES, TRANSPARENT DATA SHARING, AND REPLICATION STUDIES TO ENHANCE REPRODUCIBILITY.

PEER REVIEW AND EDITORIAL POLICIES

MANUSCRIPTS UNDERGO A DOUBLE-BLIND PEER REVIEW PROCESS, WHERE BOTH REVIEWERS AND AUTHORS REMAIN ANONYMOUS TO MINIMIZE BIAS. EDITORS EVALUATE SUBMISSIONS BASED ON ORIGINALITY, METHODOLOGICAL RIGOR, RELEVANCE TO AFFECTIVE NEUROSCIENCE, AND CLARITY OF PRESENTATION.

OPEN ACCESS AND ACCESSIBILITY

SOME ISSUES OR ARTICLES WITHIN THE AFFECTIVE NEUROSCIENCE JOURNAL MAY BE AVAILABLE VIA OPEN ACCESS, FACILITATING WIDER DISSEMINATION OF RESEARCH FINDINGS. THE JOURNAL STRIVES TO MAKE CUTTING-EDGE NEUROSCIENCE RESEARCH ACCESSIBLE TO THE GLOBAL SCIENTIFIC COMMUNITY.

IMPACT AND INFLUENCE IN THE SCIENTIFIC COMMUNITY

THE AFFECTIVE NEUROSCIENCE JOURNAL HAS ESTABLISHED ITSELF AS A LEADING PUBLICATION WITHIN ITS SPECIALIZED DOMAIN, SIGNIFICANTLY CONTRIBUTING TO THE ADVANCEMENT OF KNOWLEDGE ABOUT EMOTIONAL BRAIN PROCESSES. ITS IMPACT IS REFLECTED IN CITATION METRICS, INFLUENCE ON CLINICAL PRACTICE, AND INTEGRATION INTO ACADEMIC CURRICULA.

ADVANCING NEUROSCIENTIFIC KNOWLEDGE

THROUGH THE PUBLICATION OF PIONEERING STUDIES AND COMPREHENSIVE REVIEWS, THE JOURNAL HELPS SHAPE CURRENT UNDERSTANDING OF HOW EMOTIONS ARISE FROM NEURAL ACTIVITY. IT SUPPORTS THE DEVELOPMENT OF NEW THEORIES AND MODELS IN AFFECTIVE NEUROSCIENCE.

INFLUENCE ON CLINICAL PRACTICE

RESEARCH DISSEMINATED THROUGH THE JOURNAL INFORMS CLINICIANS ABOUT THE NEUROBIOLOGICAL BASES OF EMOTIONAL DISORDERS, GUIDING DIAGNOSTIC AND THERAPEUTIC INNOVATIONS. THIS TRANSLATIONAL IMPACT ENHANCES PATIENT CARE AND MENTAL HEALTH OUTCOMES.

EDUCATIONAL RESOURCE

THE JOURNAL SERVES AS AN INVALUABLE RESOURCE FOR EDUCATORS AND STUDENTS IN NEUROSCIENCE, PSYCHOLOGY, AND PSYCHIATRY, PROVIDING UP-TO-DATE RESEARCH AND METHODOLOGICAL ADVANCES THAT SUPPORT ACADEMIC TRAINING AND PROFESSIONAL DEVELOPMENT.

EMERGING TRENDS AND FUTURE DIRECTIONS

RESEARCH PUBLISHED IN THE AFFECTIVE NEUROSCIENCE JOURNAL CONTINUOUSLY EVOLVES, REFLECTING EMERGING TRENDS AND INNOVATIVE METHODOLOGIES IN THE FIELD. THESE DEVELOPMENTS PROMISE TO DEEPEN INSIGHTS INTO EMOTIONAL BRAIN FUNCTION AND ITS RELEVANCE TO HEALTH AND DISEASE.

INTEGRATION OF MULTIMODAL NEUROIMAGING

THE USE OF ADVANCED NEUROIMAGING TECHNIQUES, SUCH AS SIMULTANEOUS fMRI AND EEG, IS EXPANDING, ALLOWING RESEARCHERS TO CAPTURE BOTH SPATIAL AND TEMPORAL DYNAMICS OF EMOTIONAL PROCESSING WITH GREATER PRECISION.

FOCUS ON INDIVIDUAL DIFFERENCES

THERE IS GROWING INTEREST IN HOW GENETIC, DEVELOPMENTAL, AND ENVIRONMENTAL FACTORS CONTRIBUTE TO VARIABILITY IN EMOTIONAL RESPONSES. PERSONALIZED APPROACHES TO AFFECTIVE NEUROSCIENCE ARE GAINING PROMINENCE.

APPLICATIONS OF ARTIFICIAL INTELLIGENCE

MACHINE LEARNING AND AI ARE INCREASINGLY APPLIED TO ANALYZE COMPLEX AFFECTIVE DATA SETS, ENABLING NEW DISCOVERIES IN EMOTION RECOGNITION, PREDICTION OF EMOTIONAL DISORDERS, AND DEVELOPMENT OF ADAPTIVE INTERVENTIONS.

CROSS-CULTURAL AND SOCIAL NEUROSCIENCE PERSPECTIVES

EXPANDING RESEARCH INCLUDES CROSS-CULTURAL STUDIES TO UNDERSTAND HOW EMOTIONS ARE EXPERIENCED AND EXPRESSED WORLDWIDE, AS WELL AS INVESTIGATIONS INTO SOCIAL AND INTERPERSONAL AFFECTIVE PROCESSES.

1. MULTIMODAL NEUROIMAGING TECHNIQUES
2. PERSONALIZED AFFECTIVE NEUROSCIENCE
3. ARTIFICIAL INTELLIGENCE APPLICATIONS
4. CROSS-CULTURAL EMOTIONAL STUDIES

FREQUENTLY ASKED QUESTIONS

WHAT IS THE FOCUS OF THE AFFECTIVE NEUROSCIENCE JOURNAL?

THE AFFECTIVE NEUROSCIENCE JOURNAL FOCUSES ON RESEARCH RELATED TO THE NEURAL MECHANISMS UNDERLYING EMOTIONS, MOOD, AND AFFECTIVE PROCESSES.

WHO PUBLISHES THE AFFECTIVE NEUROSCIENCE JOURNAL?

THE AFFECTIVE NEUROSCIENCE JOURNAL IS PUBLISHED BY TAYLOR & FRANCIS, SPECIALIZING IN NEUROSCIENCE AND PSYCHOLOGY RESEARCH.

IS THE AFFECTIVE NEUROSCIENCE JOURNAL PEER-REVIEWED?

YES, THE AFFECTIVE NEUROSCIENCE JOURNAL IS A PEER-REVIEWED ACADEMIC JOURNAL ENSURING THE QUALITY AND VALIDITY OF PUBLISHED RESEARCH.

WHAT TYPES OF ARTICLES ARE PUBLISHED IN THE AFFECTIVE NEUROSCIENCE JOURNAL?

THE JOURNAL PUBLISHES ORIGINAL RESEARCH ARTICLES, REVIEWS, THEORETICAL PAPERS, AND METHODOLOGICAL STUDIES RELATED TO AFFECTIVE NEUROSCIENCE.

HOW CAN I SUBMIT A MANUSCRIPT TO THE AFFECTIVE NEUROSCIENCE JOURNAL?

MANUSCRIPTS CAN BE SUBMITTED THROUGH THE JOURNAL'S ONLINE SUBMISSION SYSTEM AVAILABLE ON THE PUBLISHER'S

WEBSITE, FOLLOWING THE AUTHOR GUIDELINES PROVIDED.

WHAT IS THE IMPACT FACTOR OF THE AFFECTIVE NEUROSCIENCE JOURNAL?

THE IMPACT FACTOR VARIES ANNUALLY; FOR THE MOST RECENT VALUE, IT IS RECOMMENDED TO CHECK THE JOURNAL'S OFFICIAL WEBSITE OR INDEXING SERVICES LIKE JOURNAL CITATION REPORTS.

ARE THERE SPECIAL ISSUES OR THEMATIC EDITIONS IN THE AFFECTIVE NEUROSCIENCE JOURNAL?

YES, THE JOURNAL OCCASIONALLY PUBLISHES SPECIAL ISSUES FOCUSING ON EMERGING TOPICS OR SPECIFIC THEMES WITHIN AFFECTIVE NEUROSCIENCE.

CAN I ACCESS THE AFFECTIVE NEUROSCIENCE JOURNAL ARTICLES FOR FREE?

ACCESS DEPENDS ON SUBSCRIPTION; SOME ARTICLES MAY BE OPEN ACCESS, BUT GENERALLY, ARTICLES REQUIRE INSTITUTIONAL OR PERSONAL SUBSCRIPTION UNLESS PUBLISHED AS OPEN ACCESS.

WHAT DISCIPLINES CONTRIBUTE TO THE AFFECTIVE NEUROSCIENCE JOURNAL?

CONTRIBUTORS TYPICALLY COME FROM NEUROSCIENCE, PSYCHOLOGY, PSYCHIATRY, COGNITIVE SCIENCE, AND RELATED FIELDS STUDYING EMOTION AND AFFECT.

HOW FREQUENTLY IS THE AFFECTIVE NEUROSCIENCE JOURNAL PUBLISHED?

THE PUBLICATION FREQUENCY VARIES, BUT THE AFFECTIVE NEUROSCIENCE JOURNAL IS TYPICALLY PUBLISHED MULTIPLE TIMES PER YEAR, SUCH AS QUARTERLY OR BIMONTHLY.

ADDITIONAL RESOURCES

1. *AFFECTIVE NEUROSCIENCE: THE FOUNDATIONS OF HUMAN EMOTION*

THIS BOOK PROVIDES A COMPREHENSIVE OVERVIEW OF THE NEURAL MECHANISMS UNDERLYING EMOTIONS. IT EXPLORES HOW DIFFERENT BRAIN REGIONS INTERACT TO PRODUCE AFFECTIVE EXPERIENCES AND THE ROLE OF NEUROTRANSMITTERS IN EMOTIONAL REGULATION. IDEAL FOR RESEARCHERS AND STUDENTS, IT BRIDGES PSYCHOLOGY, NEUROSCIENCE, AND PSYCHIATRY.

2. *THE EMOTIONAL BRAIN: THE MYSTERIOUS UNDERPINNINGS OF EMOTIONAL LIFE*

WRITTEN BY A PIONEERING NEUROSCIENTIST, THIS BOOK DELVES INTO THE BRAIN STRUCTURES RESPONSIBLE FOR EMOTIONS SUCH AS FEAR, ANGER, AND LOVE. IT COMBINES CLINICAL INSIGHTS WITH EXPERIMENTAL DATA TO EXPLAIN HOW EMOTIONS INFLUENCE BEHAVIOR AND COGNITION. READERS GAIN AN UNDERSTANDING OF THE LIMBIC SYSTEM'S ROLE IN AFFECTIVE PROCESSES.

3. *HANDBOOK OF AFFECTIVE NEUROSCIENCE*

THIS EDITED VOLUME COMPILES CONTRIBUTIONS FROM LEADING EXPERTS COVERING A WIDE RANGE OF TOPICS IN AFFECTIVE NEUROSCIENCE. TOPICS INCLUDE THE NEURAL BASIS OF MOOD DISORDERS, EMOTIONAL LEARNING, AND SOCIAL EMOTIONS. IT SERVES AS AN ESSENTIAL REFERENCE FOR ACADEMICS AND CLINICIANS INTERESTED IN THE EMOTIONAL BRAIN.

4. *NEUROBIOLOGY OF EMOTION*

FOCUSING ON THE CELLULAR AND MOLECULAR ASPECTS, THIS BOOK EXAMINES HOW EMOTIONS ARISE FROM NEURAL CIRCUITS AND BIOCHEMICAL PATHWAYS. IT DISCUSSES RECENT ADVANCES IN IMAGING TECHNOLOGIES AND THEIR APPLICATION TO STUDYING AFFECTIVE STATES. THE TEXT IS SUITABLE FOR GRADUATE STUDENTS AND RESEARCHERS IN NEUROSCIENCE AND PSYCHOLOGY.

5. *EMOTION AND COGNITION: AFFECTIVE NEUROSCIENCE PERSPECTIVES*

THIS BOOK EXPLORES THE DYNAMIC INTERPLAY BETWEEN EMOTION AND COGNITION, EMPHASIZING HOW AFFECT INFLUENCES DECISION-MAKING AND MEMORY. IT INTEGRATES FINDINGS FROM BEHAVIORAL STUDIES AND NEUROIMAGING RESEARCH. THE

AUTHORS DISCUSS THEORETICAL MODELS AND CLINICAL IMPLICATIONS FOR MENTAL HEALTH.

6. *BRAIN AND EMOTION*

PROVIDING AN ACCESSIBLE INTRODUCTION TO AFFECTIVE NEUROSCIENCE, THIS BOOK COVERS THE ANATOMY AND PHYSIOLOGY OF EMOTION-RELATED BRAIN AREAS. IT INCLUDES CASE STUDIES ILLUSTRATING EMOTIONAL DYSFUNCTION AND RECOVERY. THE TEXT IS AIMED AT STUDENTS AND PROFESSIONALS INTERESTED IN THE BIOLOGICAL BASIS OF EMOTIONS.

7. *AFFECTIVE NEUROSCIENCE AND PSYCHOPATHOLOGY*

THIS WORK INVESTIGATES THE NEURAL CORRELATES OF EMOTIONAL DISORDERS SUCH AS DEPRESSION, ANXIETY, AND PTSD. IT REVIEWS CURRENT THERAPEUTIC APPROACHES INFORMED BY AFFECTIVE NEUROSCIENCE RESEARCH. CLINICIANS AND RESEARCHERS WILL FIND VALUABLE INSIGHTS INTO DIAGNOSIS AND TREATMENT STRATEGIES.

8. *SOCIAL AFFECTIVE NEUROSCIENCE: UNDERSTANDING EMOTIONS IN SOCIAL CONTEXTS*

FOCUSING ON THE SOCIAL DIMENSIONS OF EMOTION, THIS BOOK EXAMINES HOW BRAIN MECHANISMS SUPPORT EMPATHY, ATTACHMENT, AND GROUP BEHAVIOR. IT HIGHLIGHTS THE NEURAL BASIS OF SOCIAL BONDING AND EMOTIONAL COMMUNICATION. THE BOOK IS RELEVANT FOR THOSE STUDYING SOCIAL PSYCHOLOGY AND NEUROSCIENCE.

9. *COMPUTATIONAL MODELS IN AFFECTIVE NEUROSCIENCE*

THIS TEXT INTRODUCES COMPUTATIONAL APPROACHES TO MODELING EMOTIONAL PROCESSES IN THE BRAIN. IT COVERS NEURAL NETWORKS, MACHINE LEARNING, AND SIMULATIONS USED TO UNDERSTAND AFFECTIVE DYNAMICS. RESEARCHERS INTERESTED IN INTERDISCIPLINARY METHODS COMBINING NEUROSCIENCE AND COMPUTER SCIENCE WILL BENEFIT FROM THIS RESOURCE.

[Affective Neuroscience Journal](#)

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affective neuroscience journal: The Cambridge Handbook of Human Affective Neuroscience Jorge Armony, Patrik Vuilleumier, 2013-01-21 This handbook is the only single volume to capture the current range of neuroscience approaches to human emotion. The contributions, written by the world's leading scientists in the field, address a wide variety of topics, from face and voice perception to pain and music, as well as social behaviors, decision making, and individual differences.

affective neuroscience journal: *Affective Neuroscience in Psychotherapy* Francis Stevens, 2021-09-27 Most psychological disorders involve distressful emotions, yet emotions are often regarded as secondary in the etiology and treatment of psychopathology. This book offers an alternative model of psychotherapy, using the patient's emotions as the focal point of treatment. This unique text approaches emotions as the primary source of intervention, where emotions are appreciated, experienced, and learned from as opposed to being regulated solely. Based on the latest developments in affective neuroscience, Dr. Stevens applies science-based interventions with a sequential approach for helping patients with psychological disorders. Chapters focus on how to use emotional awareness, emotional validation, self-compassion, and affect reconsolidation in therapeutic practice. Interventions for specific emotions such as anger, abandonment, jealousy, and desire are also addressed. This book is essential reading for clinicians practicing psychotherapy, social workers and licensed mental health counselors, as well as anyone interested in the emotional science behind the brain.

affective neuroscience journal: The Cambridge Handbook of Human Affective Neuroscience Jorge Armony, Patrik Vuilleumier, 2013-01-21 Neuroscientific research on emotion

has developed dramatically over the past decade. The cognitive neuroscience of human emotion, which has emerged as the new and thriving area of 'affective neuroscience', is rapidly rendering existing overviews of the field obsolete. This handbook provides a comprehensive, up-to-date and authoritative survey of knowledge and topics investigated in this cutting-edge field. It covers a range of topics, from face and voice perception to pain and music, as well as social behaviors and decision making. The book considers and interrogates multiple research methods, among them brain imaging and physiology measurements, as well as methods used to evaluate behavior and genetics. Editors Jorge Armony and Patrik Vuilleumier have enlisted well-known and active researchers from more than twenty institutions across three continents, bringing geographic as well as methodological breadth to the collection. This timely volume will become a key reference work for researchers and students in the growing field of neuroscience.

affective neuroscience journal: A Short-Cut to Understanding Affective Neuroscience

Lucy Biven, 2022-07-06 A Short-Cut to Understanding Affective Neuroscience is a remarkable book that will appeal to academics and laymen, theoreticians and clinicians. Readers will appreciate Lucy Biven's thorough research and her straightforward language. She does not avoid complexity and uncertainty when addressing challenging questions in neuroscience. -Donald Campbell: Past President and Distinguished Fellow of the British Psychoanalytical Society This book clarifies and evaluates vast amounts of neuroscientific research, arriving at a clear and concise framework that demonstrates how to ground mental health practice in the results of neuroscience. With a seamless narrative that weaves and explains complex theories, experimental research, and clinical practice, this book will interest mental health professionals and anyone who wants to learn more about the affective life of people and other mammals. Beginning with a survey of the theories of affective consciousness, this book first shows that, for all mammals, affects are unique experiences of pleasure and pain, emanating from deep noncognitive brain structures. These subcortical structures in and around the brain stem generate seven basic types of affective consciousness, the existence and breadth of which have important implications for the practice of psychotherapy and psychiatry. For example, the two distinct types of anxiety, each originating in a different system, explain the effectiveness of different medications. Understanding affects also provides the theoretical basis for conditioning where disparate ideas, as affect-laden memories, can become associated. Thus, by understanding a client's affects, a psychotherapist can make sense of seemingly disconnected ideas that arise in the therapeutic conversation.

affective neuroscience journal: Affective Neuroscience , 2012

affective neuroscience journal: Oxford Companion to Emotion and the Affective

Sciences David Sander, Klaus Scherer, 2014-02-06 Few areas have witnessed the type of growth we have seen in the affective sciences in the past decades. Across psychology, philosophy, economics, and neuroscience, there has been an explosion of interest in the topic of emotion and affect. Comprehensive, authoritative, up-to-date, and easy-to-use, the new Oxford Companion to Emotion and the Affective Sciences is an indispensable resource for all who wish to find out about theories, concepts, methods, and research findings in this rapidly growing interdisciplinary field - one that brings together, amongst others, psychologists, neuroscientists, social scientists, philosophers, and historians. Organized by alphabetical entries, and presenting brief definitions, concise overviews, and encyclopaedic articles (all with extensive references to relevant publications), this Companion lends itself to casual browsing by non-specialists interested in the fascinating phenomena of emotions, moods, affect disorders, and personality as well as to focused search for pertinent information by students and established scholars in the field. Not only does the book provide entries on affective phenomena, but also on their neural underpinnings, their cognitive antecedents and the associated responses in physiological systems, facial, vocal, and bodily expressions, and action tendencies. Numerous entries also consider the role of emotion in society and social behavior, as well as in cognitive processes such as those critical for perception, attention, memory, judgement and decision-making. The volume has been edited by a group of internationally leading authorities in the respective disciplines consisting of two editors (David Sander and Klaus Scherer) as well as

group of 11 associate editors (John T. Cacioppo, Tim Dalgleish, Robert Dantzer, Richard J. Davidson, Ronald B. de Sousa, Phoebe C. Ellsworth, Nico Frijda, George Loewenstein, Paula M. Niedenthal, Peter Salovey, and Richard A. Shweder). The members of the editorial board have commissioned and reviewed contributions from major experts on specific topics. In addition to comprehensive coverage of technical terms and fundamental issues, the volume also highlights current debates that inform the ongoing research process. In addition, the Companion contains a wealth of material on the role of emotion in applied domains such as economic behaviour, music and arts, work and organizational behaviour, family interactions and group dynamics, religion, law and justice, and societal change. Highly accessible and wide-ranging, this book is a vital resource for scientists, students, and professionals eager to obtain a rapid, conclusive overview on central terms and topics and anyone wanting to learn more about the mechanisms underlying the emotions dominating many aspects of our lives.

affective neuroscience journal: At Risk for Neuropsychiatric Disorders: An Affective Neuroscience Approach to Understanding the Spectrum Raymond C. K. Chan, Morten L. Kringelbach, 2016-11-17 Neuropsychiatric disorders such as schizophrenia, bipolar disorder, depression, anxiety disorders, and other mental disorders constitute about 13% of the global burden of disease surpassing both cardiovascular disease and cancer. The total cost worldwide of these diseases is estimated to exceed 100 million disability-adjusted life years. In order to begin to address this important problem, the present Research Topic brings together a group of leading affective neuroscience researchers to present their state-of-the-art findings using an affective neuroscience approach to investigate the spectrum of neuropsychiatric disorders from patients to those at risk. They focus on different aspects of the emotional and social cognitive disturbances which are core features of neuropsychiatric disorders. While progress has been slow over last couple of decades, we are finally beginning to glimpse some of the underlying neural mechanisms of the emotional and social cognitive disturbances in patients and those at risk. With the technological advances in affective neuroscience and neuroimaging presented in this volume, we hope that progress will be much swifter in the coming years such that we can provide better care for patients and those at risk.

affective neuroscience journal: The Oxford Handbook of Emotion Dysregulation Theodore P. Beauchaine, Sheila E. Crowell, 2020-03-02 Emotion dysregulation, which is often defined as the inability to modulate strong negative affective states including impulsivity, anger, fear, sadness, and anxiety, is observed in nearly all psychiatric disorders. These include internalizing disorders such as panic disorder and major depression, externalizing disorders such as conduct disorder and antisocial personality disorder, and various others including schizophrenia, autism, and borderline personality disorder. Among many affected individuals, precursors to emotion dysregulation appear early in development, and often predate the emergence of diagnosable psychopathology. The Oxford Handbook of Emotion Dysregulation brings together experts whose work cuts across levels of analysis, including neurobiological, cognitive, and social, in studying emotion dysregulation. Contributing authors describe how early environmental risk exposures shape emotion dysregulation, how emotion dysregulation manifests in various forms of mental illness, and how emotion dysregulation is most effectively assessed and treated. Conceptualizing emotion dysregulation as a core vulnerability to psychopathology is consistent with modern transdiagnostic approaches to diagnosis and treatment, including the Research Domain Criteria and the Unified Protocol, respectively. This handbook is the first text to assemble a highly accomplished group of authors to address conceptual issues in emotion dysregulation research, define the emotion dysregulation construct across levels of cognition, behavior, and social dynamics, describe cutting edge assessment techniques at neural, psychophysiological, and behavioral levels of analysis, and present contemporary treatment strategies.

affective neuroscience journal: The Nature of Emotion Andrew S. Fox, Regina C. Lapate, Alexander J. Shackman, Richard J. Davidson, 2018-08-23 Building on the legacy of the groundbreaking first edition, the Editors of this unique volume have selected more than 100 leading emotion researchers from around the world and asked them to address 14 fundamental questions

about the nature and origins of emotion. For example: What is an emotion? How are emotions organized in the brain? How do emotion and cognition interact? How are emotions embodied in the social world? How and why are emotions communicated? How are emotions physically embodied? What develops in emotional development? At the end of each chapter, the Editors--Andrew Fox, Regina Lapate, Alexander Shackman, and Richard Davidson--highlight key areas of agreement and disagreement. In the final chapter--The Nature of Emotion: A Research Agenda for the 21st Century--the Editors outline their own perspective on the most important challenges facing the field today and the most fruitful avenues for future research. Not a textbook offering a single viewpoint, The Nature of Emotion reveals the central issues in emotion research and theory in the words of many of the leading scientists working in the field today, from senior researchers to rising stars, providing a unique and highly accessible guide for students, researchers, and clinicians.

affective neuroscience journal: The Interpersonal Neurobiology of Play: Brain-Building Interventions for Emotional Well-Being Theresa A. Kestly, 2014-09-29 Nurturing brain development in children through play. The mental health field has seen a significant shift in the past decade toward including a neuroscience perspective when designing clinical interventions. However, for many play therapists it has been challenging to apply this information in the context of play therapy. Here, Theresa Kestly teaches therapists how to understand the neurobiology of play experiences so the undeniable benefits of play therapy can be exploited to their fullest. At last, clinical readers have a book that takes seriously the importance of play and brings a scientific eye to this most important aspect of life. Drawing on concepts of interpersonal neurobiology, the benefits of play interventions to achieve attunement, neural integration, healthy attachment, and the development of resilience and well-being become clear. The book is organized into three parts. The first part lays a conceptual foundation for considering play in relation to the neurobiology of the developing brain and mind. The next part explores specific topics about play including the therapeutic playroom, the collaborative relationship between therapist and clients, storytelling, and mindfulness. The last part of the book asks questions about the state of play in our families, clinics, and schools. How did we get to a place where play has been so devalued, and what can we do about it? Now that we know how important play is across the lifespan from a scientific standpoint, what can we do to fully integrate it into our lives? After reading this book, clinicians, teachers, and even parents will understand why play helps children (and adults) heal from painful experiences, while developing self-regulation and empathy. The clinical examples in the book show just how powerful the mind is in its natural push toward wholeness and integration.

affective neuroscience journal: Clinical Neuropsychology of Emotion Yana Suchy, 2011-03-14 Written in an engaging, accessible style, this book synthesizes the growing body of knowledge on the neuropsychology of emotion and identifies practical clinical implications. The author unravels the processes that comprise a single emotional event, from the initial trigger through physiological and psychological responses. She also examines how patterns of emotional responses come together to motivate complex behavioral choices. Grounded in theory and research, the book discusses relevant syndromes and populations, reviews available assessment instruments, and describes how deficits in emotional processing affect cognition, daily functioning, and mental health.

affective neuroscience journal: Theory of Mind in Middle Childhood and Adolescence Rory T. Devine, Serena Lecce, 2021-05-26 This landmark text integrates diverse perspectives on how humans understand others' minds (or 'theory of mind') beyond early childhood into middle childhood and adolescence. It explores how the neural, cognitive, and social changes of middle childhood and adolescence shape the ongoing development of theory of mind, and how theory of mind helps children navigate their lives. Drawing on cutting-edge research from leading international experts, this book provides a survey and analysis of the current state and future direction of the field. It is organized around three themes relating to the key issues in contemporary research. The first part focuses on the biological and cognitive bases of theory of mind in middle childhood and adolescence. The second part goes on to explore the social predictors and consequences, considering how theory of mind is shaped by social experiences and, in turn, impacts children's social lives in middle

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