ORIGINAL ARTICLE



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The self, neuroscience and psychosis study: Testing a neurophenomenological model of the onset of psychosis

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Abstract

Aim: Basic self disturbance is a putative core vulnerability marker of schizophrenia spectrum disorders. The primary aims of the Self, Neuroscience and Psychosis (SNAP) study are to: (1) empirically test a previously described neurophenomenological selfdisturbance model of psychosis by examining the relationship between specific clinical, neurocognitive, and neurophysiological variables in UHR patients, and (2) develop a prediction model using these neurophenomenological disturbances for persistence or deterioration of UHR symptoms at 12-month follow-up.

Methods: 5NAP is a longitudinal observational study. Participants include 400 UHR individuals, 100 clinical controls with no attenuated psychotic symptoms, and 50 healthy controls. All participants complete baseline clinical and neurocognitive

Miseria Kerman and Cassandra M. J. Wilamon are lided first author.

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Self In Neuroscience And Psychiatry

Dan Zahavi, Thor Grünbaum, Josef Parnas

Self In Neuroscience And Psychiatry:

The Self in Neuroscience and Psychiatry Tilo Kircher, Anthony S. David, 2003-08-07 In recent years the clinical and cognitive sciences and neuroscience have contributed important insights to understanding the self The neuroscientific study of the self and self consciousness is in its infancy in terms of established models available data and even vocabulary However there are neuropsychiatric conditions such as schizophrenia in which the self becomes disordered and this aspect can be studied against healthy controls through experiment building cognitive models of how the mind works and imaging brain states In this 2003 book the first to address the scientific contribution to an understanding of the self an eminent international team focuses on current models of self consciousness from the neurosciences and psychiatry These are set against introductory essays describing the philosophical historical and psychological approaches making this a uniquely inclusive overview It will appeal to a wide audience of scientists clinicians and scholars concerned with the phenomenology and psychopathology of the self The Oxford Handbook of Nonsuicidal Self-Injury Elizabeth Lloyd-Richardson, Imke Baetens, Janis L. Whitlock, 2024 The Oxford Handbook of Nonsuicidal Self Injury is a compendium of up to date research and knowledge of topics germane to the field of nonsuicidal self injury NSSI Edited by renowned scholars Elizabeth E Lloyd Richardson Imke Baetens and Janis L Whitlock the handbook brings together cutting edge research from a group of internationally distinguished scholars It covers a wide array of topics including epidemiology function neurophysiological processes lived experience and intervention and prevention approaches This comprehensive text will serve as a go to guide for scholars clinicians and anyone with interest in understanding treating and preventing self injury E. Feinberg M.D., Julian Paul Keenan, 2005-07-14 The Lost Self Pathologies of the Brain and Identity is an in depth exploration into one of the most mysterious and controversial topics in neuroscience neurology psychiatry and psychology namely the search for the biological basis of the self The Lost Self is a guide to understanding how the brain creates who we are and what happens when things go wrong The Self and its Disorders Shaun Gallagher, 2023-12-03 Shaun Gallagher offers an account of psychopathologies as disorders of the self The Self and its Disorders develops an interdisciplinary approach to an integrative perspective in psychiatry In contrast to some integrative approaches that focus on narrow brain based conceptions or on symptomology this book takes its bearings from embodied and enactive conceptions of human experience Gallagher offers an understanding of the self as a pattern of processes that include bodily experiential affective cognitive intersubjective narrative ecological and normative factors He provides a philosophical analysis of the notion of self pattern then drawing on phenomenological developmental clinical and experimental evidence he proposes a method to study the effects of psychopathologies on the self pattern The book includes specific discussions of schizophrenia anxiety disorders depression borderline personality disorder and autism among other disorders as well as the effects of torture and solitary confinement It also explores a variety of issues that relate to therapeutic approaches including deep brain stimulation

meditation based interventions and the use of artificial intelligence and virtual reality Why and How is the self related to the brain midline regions? Georg Northoff, Niall W Duncan, Pengmin Qin, 2014-09-26 What the self is and where it comes from has been one of the great problems of philosophy for thousands of years As science and medicine have progressed this guestion has moved to also become a central one in psychology psychiatry and neuroscience. The advent of in vivo brain imaging has now allowed the scientific investigation of the self to progress further than ever Many such imaging studies have indicated that brain structures along the cortical midline are particularly closely related to self specific processing This association between cortical midline structures CMS and self is reinforced by the involvement of these regions in other self oriented processes such as mind wandering or stimulus valuation. Those midline regions involved in self processing also overlap with another network the default mode network which shows high brain activity during the so called resting state indicating that there may be a special relationship between self processing and intrinsic activity Although such promising groundwork linking the self and CMS has been carried out many questions remain These include what features of the midline regions lead to their apparent importance in self processing How can we appropriately account for confounding factors such as familiarity or task effects in our experiments How is the self related to other features of the mind such as consciousness How is our methodology influencing our attempts to link the self and the brain The purpose of this ebook is to address some of these questions including opinions perspectives and hypotheses about the concept of the self the relationship between CMS and the self and the specific function of these brain regions in self processing It also includes original research papers describing EEG fMRI and behavioral experiments investigating different aspects of the self The Neuroscience of Empathy, Compassion, and Self-Compassion Larry Charles Stevens, C. Chad Woodruff, 2018-06-19 The Neuroscience of Empathy Compassion and Self Compassion provides contemporary perspectives on the three related domains of empathy compassion and self compassion ECS It informs current research stimulates further research endeavors and encourages continued and creative philosophical and scientific inquiry into the critical societal constructs of ECS Examining the growing number of electrocortical EEG Power Spectral Coherence Evoked Potential etc studies and the sizeable body of exciting neuroendocrine research e g oxytocin dopamine etc that have accumulated over decades this reference is a unique and comprehensive approach to empathy compassion and self compassion Provides perspectives on empathy compassion and self compassion ECS including discussions of cruelty torture killings homicides suicides terrorism and other examples of empathy compassion erosion Addresses autonomic nervous system vagal reflections of ECS Discusses recent findings and understanding of ECS from mirror neuron research Covers neuroendocrine manifestations of ECS and self compassion and the neuroendocrine enhancement Examines the neuroscience research on the enhancement of ECS Includes directed meditations mindfulness mantra Metta etc and their effects on ECS and the brain The Oxford Handbook of Suicide and Self-Injury Matthew K. Nock, 2014-05-08 Suicide is a perplexing human behavior that remains

among the leading causes of death worldwide responsible for more deaths each year than all wars genocide and homicide combined Although suicide and other forms of self injury have baffled scholars and clinicians for thousands of years the past few decades have brought significant leaps in our understanding of these behaviors. This volume provides a comprehensive summary of the most important and exciting advances in our understanding of suicide and self injury and our ability to predict and prevent it Comprised of a formidable who s who in the field the handbook covers the full spectrum of topics in suicide and self injury across the lifespan including the classification of different self injurious behaviors epidemiology assessment techniques and intervention Chapters probe relevant issues in our society surrounding suicide including assisted suicide and euthanasia suicide terrorism overlap between suicidal behavior and interpersonal violence ethical considerations for suicide researchers and current knowledge on survivors of suicide The most comprehensive handbook on suicide and self injury to date this volume is a must read text for graduate students fellows academic and research psychologists and other researchers working in the brain and behavioral sciences Affect Regulation and the Origin of the Self Allan N. Schore, 2015-11-19 For over three decades Allan N Schore has authored numerous volumes chapters and articles on regulation theory a biopsychosocial model of the development psychopathogenesis and treatment of the implicit subjective self The theory is grounded in the integration of psychology psychiatry and neuroscience and it is now being used by both clinicians to update psychotherapeutic models and by researchers to generate research First published in 1994 this pioneering volume represented the inaugural expression of his interdisciplinary model and has since been hailed by a number of scientific and clinical disciplines as a groundbreaking and paradigm shifting work This volume appeared at a time when the problem of emotion ignored for most of the last century was finally beginning to be addressed by science including the emergent field of affective neuroscience After a century of the dominance of the verbal left brain it presented a detailed characterization of the early developing right brain and it unique social emotional and survival functions not only in infancy but across all later stages of the human life span It also offered a scientifically testable and clinical relevant model of the development of the human unconscious mind Affect Regulation and the Origin of the Self acts as a keystone and foundation for all of Schore's later writings as every subsequent book article and chapter that followed represented expansions of this seminal work Cognitive Behavior Interventions for Self-Defeating Thoughts Elliot Cohen, 2021-08-05 Integrating Cognitive Behavior Therapy CBT with a logic based restructuring of Rational Emotive Behavioral Therapy REBT this book provides therapists with a guide for addressing self defeating thoughts and behaviors Cohen explores how the tyrannical use of the words I can t creates and sustains many commonplace behavioral and emotional problems It shows how cognition and affect are intimately connected demonstrating how cognitive behavioral interventions help clients to address both their feelings and irrational ideas Each chapter explores a specific problem including low frustration tolerance obsessiveness risk avoidance phobias intolerance to criticism dependent personalities and much more The theories developed throughout are

integrated with practice sections and session transcripts that focus on the application of these theories for the treatment of clients who have self destructive linguistic habits Cohen also provides resource materials including reflection activities bibliotherapy meditation and step by step guidance This book is essential reading for mental health professionals looking for novel techniques of using CBT life coaches positive psychology coaches counselors and academic and clinical researchers who work with CBT The Structure and Development of Self-Consciousness Dan Zahavi, Thor Grünbaum, Josef Parnas, 2004-09-23 Self consciousness is a topic of considerable importance to a variety of empirical and theoretical disciplines such as developmental and social psychology cognitive neuroscience psychiatry and philosophy This volume presents essays on self consciousness by prominent psychologists cognitive neurologists and philosophers Some of the topics included are the infants sense of self and others theory of mind phenomenology of embodiment neural mechanisms of action attribution and hermeneutics of the self A number of these essays argue in turn that empirical findings in developmental psychology phenomenological analyses of embodiment or studies of pathological self experiences point to the existence of a type of self consciousness that does not require any explicit I thought or self observation but is more adequately described as a pre reflective embodied form of self familiarity. The different contributions in the volume amply demonstrate that self consciousness is a complex multifaceted phenomenon that calls for an integration of different complementary interdisciplinary perspectives Series B The Affective Core Self Lajos Horváth, 2024-04-03 This book extends the contemporary concept of the minimal self by introducing the affective core self The overall aim is to integrate certain psychoanalytical ideas into the phenomenological investigation of passivity and reformulate the idea of the phenomenological unconscious This volume contributes to the multidimensional analysis of the self by positioning the affective core self between the layers of the more minimal and the less minimal self It underscores the importance of the unconscious in the constitution of the affective core self by providing the comparative analysis of the phenomenological and the psychoanalytical unconscious Furthermore comparisons are drawn between Freud's conception of the afterwardsness of trauma and the phenomenological notion of retroactive sense constitution The book concludes that retroactive sense making is a double sided phenomenon and differentiates between implicit bodily and conscious narrative retroactive sense constitution In order to bolster the idea of implicit bodily sense constitution the volume also examines and utilizes contemporary insights on the nature of body memory The conclusion claims that the affective core self is constituted in time by means of the underlying processes of the two sided retroactive sense constitution This text appeals to students and researchers working in Chiasmi international ,2007 phenomenology and philosophy of mind The Disintegrating Self Phil Mollon, 2018-04-17 This book argues mainly that attention deficit hyperactivity disorder ADHD and related autistic spectrum conditions reflect states of impaired self regulation and of enhanced need for regulatory assistance from other people It is useful and helpful for those who personally struggle with ADHD **Routledge International Handbook of Self-Control**

in Health and Well-Being Denise de Ridder, Marieke Adriaanse, Kentaro Fujita, 2017-10-30 The ability to prioritise long term goals above short term gratifications is crucial to living a healthy and happy life We are bombarded with temptations whether from fast food or faster technologies but the psychological capacity to manage our lives within such a challenging environment has far reaching implications for the well being not only of the individual but also society as a whole The Routledge International Handbook of Self Control in Health and Wellbeing is the first comprehensive handbook to map this burgeoning area of research by applying it to health outcomes and personal well being Including contributions from leading scholars worldwide the book incorporates new research findings that suggest that simply inhibiting our immediate impulses isn t the whole story there may be more options to improve self control than simply by suppressing the ego Divided into six coherent sections the book provides an overview of the research base before discussing a range of interventions to help improve self control in different contexts from smoking or drinking too much to developing self control over aggression or spending money The only definitive handbook on this far reaching topic this essential work will appeal to researchers and students across health and social psychology as well as related health sciences **Neuro** Nikolas Rose, Joelle M. Abi-Rached, 2013-02-24 The brain sciences are influencing our understanding of human behavior as never before from neuropsychiatry and neuroeconomics to neurotheology and neuroaesthetics Many now believe that the brain is what makes us human and it seems that neuroscientists are poised to become the new experts in the management of human conduct Neuro describes the key developments theoretical technological economic and biopolitical that have enabled the neurosciences to gain such traction outside the laboratory It explores the ways neurobiological conceptions of personhood are influencing everything from child rearing to criminal justice and are transforming the ways we know ourselves as human beings In this emerging neuro ontology we are not determined by our neurobiology on the contrary it appears that we can and should seek to improve ourselves by understanding and acting on our brains Neuro examines the implications of this emerging trend weighing the promises against the perils and evaluating some widely held concerns about a neurobiological colonization of the social and human sciences Despite identifying many exaggerated claims and premature promises Neuro argues that the openness provided by the new styles of thought taking shape in neuroscience with its contemporary conceptions of the neuromolecular plastic and social brain could make possible a new and productive engagement between the social and brain sciences Publisher's description Actor & Avatar Dieter Mersch, Anton Rey, Thomas Grunwald, Jörg Sternagel, Lorena Kegel, Miriam Laura Loertscher, 2023-07-06 What kind of relationship do we have with artificial beings avatars puppets robots etc What does it mean to mirror ourselves in them to perform them or to play trial identity games with them Actor Avatar addresses these questions from artistic and scholarly angles Contributions on the making of technical others and philosophical reflections on artificial alterity are flanked by neuroscientific studies on different ways of perceiving living persons and artificial counterparts The contributors have achieved a successful artistic scientific collaboration with

extensive visual material **Self and Other** Dan Zahavi, 2014-11-27 Can you be a self on your own or only together with others Is selfhood a built in feature of experience or rather socially constructed How do we at all come to understand others Does empathy amount to and allow for a distinct experiential acquaintance with others and if so what does that tell us about the nature of selfhood and social cognition Does a strong emphasis on the first personal character of consciousness prohibit a satisfactory account of intersubjectivity or is the former rather a necessary requirement for the latter Engaging with debates and findings in classical phenomenology in philosophy of mind and in various empirical disciplines Dan Zahavi s new book Self and Other offers answers to these questions Discussing such diverse topics as self consciousness phenomenal externalism mindless coping mirror self recognition autism theory of mind embodied simulation joint attention shame time consciousness embodiment narrativity self disorders expressivity and Buddhist no self accounts Zahavi arques that any theory of consciousness that wishes to take the subjective dimension of our experiential life serious must endorse a minimalist notion of self At the same time however he also contends that an adequate account of the self has to recognize its multifaceted character and that various complementary accounts must be integrated if we are to do justice to its complexity Thus while arguing that the most fundamental level of selfhood is not socially constructed and not constitutively dependent upon others Zahavi also acknowledges that there are dimensions of the self and types of self experience that are other mediated The final part of the book exemplifies this claim through a close analysis of shame Researching the Self Ellen Grünewald, Willem E. Frankenhuis, 2007 Researching the Self originated in a conference held at the University of Amsterdam in 2005 where scholars from various academic backgrounds presented their current theories and research One central theme that emerged from the conference is the need for interdisciplinarity in the study of self The present volume tries to meet this need as it covers fields as diverse as psychology anthropology neuroscience philosophy sociology and computer science Additionally the authors have contributed interdisciplinary reflections in which they contemplate the other contributions to the present volume and consider integrating this work with their own What are the neural correlates of self Can individuals have multiple selves How do selves depend on other people Will engineers ever construct artificial selves What is the problem of self we are trying to solve What does the future hold for the self Do selves really exist oeAs I read the other entries in the current volume I was struck by the implications that the many different perspectives on the self had for each other Gillihan this volume oeWe must continue to keep in mind what we know what we don TM t know and what we only think we know in order to successfully conquer this interdisciplinary problem of the self Gorman and Keenan this volume

Chasing Tourette's: Time, Freedom, and the Missing Self Lisa Curtis-Wendlandt,2023-03-11 This book offers a philosophical perspective on contemporary Tourette Syndrome scholarship a field which has exploded over the last thirty years Despite intense research efforts on this common neurodevelopmental condition in the age of the brain sciences the syndrome s causes and potential cures remain intriguingly elusive How does this lack of progress relate to the tacitly

operating philosophical concepts that shape our current thinking about Tourette Syndrome This book foregrounds these tacit concepts and shows how they relate to big topics in philosophy such as time volition and the self By tracing how these topics relate to current research on Tourette's it invites us to re think our approach to research and care Such re thinking is urgently needed individuals and families living with Tourette Syndrome remain under serviced as pharmacological and behavioural therapies provide relief for some but not all who need support This book highlights what questions we ask and do not ask in contemporary scholarship thereby surfacing invisible constraints and opportunities in the field It is of interest to scholars health professionals students and affected families who want to better understand this burgeoning field of research with its conceptual controversies approaches to aetiology and directions for new research and improved clinical care Brain, the Mind and the Self Arnold Goldberg, 2015-05-01 Psychoanalysis enjoyed an enormous popularity at one time but has recently fallen out of favor as new psychiatric medications have dominated the treatment of mental illness and a new interest in the brain and neuroscience begins to dominate the theory as to the cause and cure of mental illness How do we distinguish between the brain the mind and the self In his new book Arnold Goldberg approaches this question from a psychoanalytic perspective and examines how recent research findings can shed light on it He repositions psychoanalysis as an interpretive science that is a different activity to most other sciences that are considered empirical Giving clear coverage of the various psychoanalytic models of the mind and the self Goldberg examines how these theories fare against neuroscientific evidence and what implications these have for psychoanalytic clinical practice The Brain the Mind and the Self A psychoanalytic road map sets up evidence based robust psychoanalytic theory and practice that will give psychoanalysts social workers and practicing psychologists a valuable insight into the future of psychoanalysis Arnold Goldberg M D was born and raised in Chicago and trained at the University of Illinois Michael Reese Hospital and the Institute for Psychoanalysis in Chicago He is recently retired from the Cynthia Oudejans Harris MD chair and Professor of Psychiatry at Rush Medical Center

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