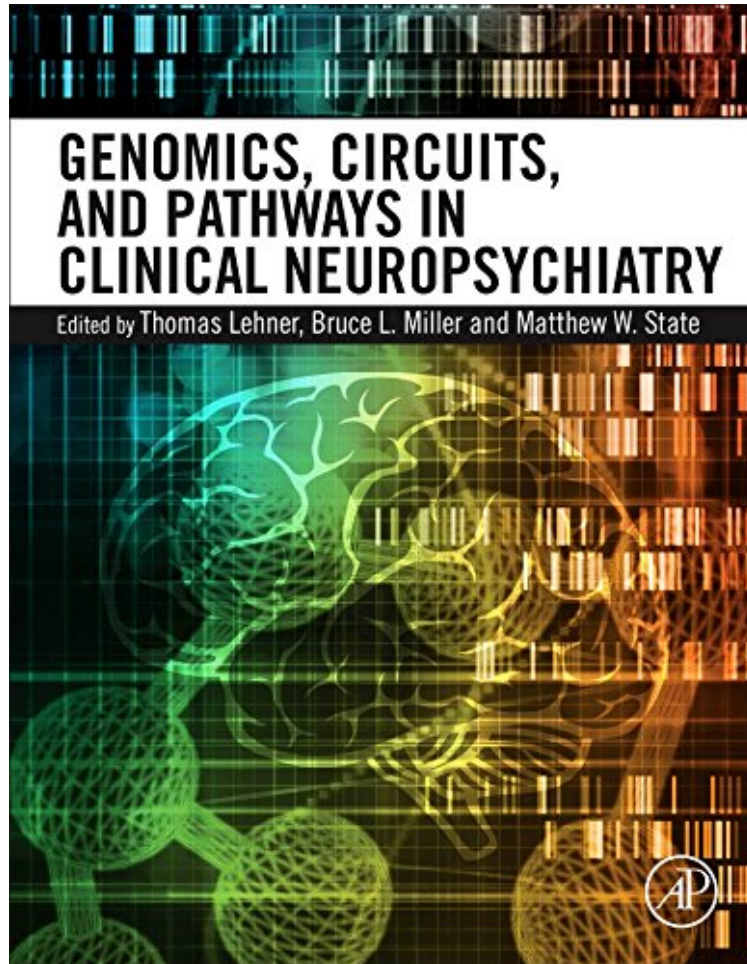


(Download pdf) Genomics, Circuits, and Pathways in Clinical Neuropsychiatry

Genomics, Circuits, and Pathways in Clinical Neuropsychiatry

From Lehner Thomas

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#2014923 in Books Lehner Thomas 2016-07-05 Original language: English PDF # 1 11.02 x 1.69 x 8.501, 5.47 #File Name: 0128001054796 pages Genomics Circuits and Pathways in Clinical Neuropsychiatry | File size: 20.Mb

From Lehner Thomas : Genomics, Circuits, and Pathways in Clinical Neuropsychiatry before purchasing it in order to gauge whether or not it would be worth my time, and all praised Genomics, Circuits, and Pathways in Clinical Neuropsychiatry:

This foundational work comprehensively examines the current state of the genetics, genomics and brain circuitry of psychiatric and neurological disorders. It consolidates discoveries of specific genes and genomic regions associated with these conditions, the genetic and anatomic architecture of these syndromes, and addresses how recent advances in genomics are leading to a reappraisal of the biology underlying clinical neuroscience. In doing so, it critically examines the promise and limitations of these discoveries toward treatment, and to the interdisciplinary nature of

understanding brain and behavior. Coverage includes new discoveries regarding autism, epilepsy, intellectual disability, dementias, movement disorders, language impairment, disorders of attention, schizophrenia, and bipolar disorder. Genomics, Circuits, and Pathways in Clinical Neuropsychiatry focuses on key concepts, challenges, findings, and methods in genetics, genomics, molecular pathways, brain circuitry, and related neurobiology of neurologic and psychiatric disorders. Provides interdisciplinary appeal in psychiatry, neurology, neuroscience, and genetics. Identifies key concepts, methods, and findings. Includes coverage of multiple disorders from autism to schizophrenia. Reviews specific genes associated with disorders. Discusses the genetic architecture of these syndromes. Explains how recent findings are influencing the understanding of biology. Clarifies the promise of these findings for future treatment.

About the Author Dr. Thomas Lehner is the Director of the Office for Genomics Research Coordination at the National Institute of Mental Health (NIMH), National Institutes of Health (NIH). He oversees and coordinates all efforts associated with genomics research for the NIMH and is the principal advisor to the NIMH Director and the NIMH Scientific Director for issues related to genetics and genomics. A native of Vienna, Austria, he received a Ph.D. in genetics from the University of Vienna and an MPH in Epidemiology from Columbia University. Since joining NIMH in 2004 Thomas has been instrumental in developing Team Science as a new paradigm for psychiatric genomics and forging international collaborative efforts and consortia. He has also been instrumental in developing and consolidating genomics resources for the research community through participation in developing NIH data sharing policies for genomics including the Genomic Data Sharing (GDS) policy and its implementation.

Dr. Miller holds the A.W. and Mary Margaret Clausen Distinguished Professorship in Neurology at the University of California, San Francisco (UCSF). He directs the busy UCSF dementia center where patients in the San Francisco Bay Area and beyond receive comprehensive clinical evaluations. His goal is the delivery of model care to all of the patients who enter the clinical and research programs at the UCSF Memory and Aging Center (MAC). Dr. Miller is a behavioral neurologist focused on dementia with special interests in brain and behavior relationships as well as the genetic and molecular underpinnings of disease. His work in frontotemporal dementia (FTD) emphasizes both the behavioral and emotional deficits that characterize these patients, while simultaneously noting the visual creativity that can emerge in the setting of FTD. He is the principal investigator of the NIH-sponsored Alzheimers Disease Research Center (ADRC) and program project on FTD called Frontotemporal Dementia: Genes, Imaging and Emotions. He oversees a healthy aging program, which includes an artist in residence program. In addition, he helps lead two philanthropy-funded research consortia, the Tau Consortium and Consortium for Frontotemporal Research, focused on developing treatments for tau and progranulin disorders, respectively. Also, he works with the National Football League to help with the education and assessment of players related to brain health. Dr. Miller teaches extensively, runs the Behavioral Neurology Fellowship at UCSF, and oversees visits of more than 50 foreign scholars every year. Dr. Miller has received many awards including the Potamkin Award from the American Academy of Neurology, the Raymond Adams Lecture at the American Neurological Association, the Elliot Royer Award from the San Francisco Neurological community, the UCSF Annual Faculty Research Lectureship in Clinical Science, the UCSF Academic Senate Distinction in Mentoring Award, Distinguished Service to Minorities, from Charles Drew University, and the Gene D. Cohen Research Award in Creativity and Aging from the National Center for Creative Aging. He has authored *The Human Frontal Lobes*, *The Behavioral Neurology of Dementia*, *Frontotemporal Dementia* and over 600 other publications regarding dementia. He has been featured in *Fortune* magazine and *The New York Times*, as well as on "Charlie Rose," "PBS NewsHour" and other media. For more than three decades, Dr. Miller has been the scientific director for the philanthropic organization The John Douglas French Alzheimers Foundation, a private philanthropic organization that funds basic science research in Alzheimers disease.

Matthew W. State MD, PhD, is a child psychiatrist and human geneticist studying pediatric neuropsychiatric syndromes. His lab focuses on gene discovery as a launching point for efforts to illuminate the biology of these conditions and to develop novel and more effective therapies. Dr. State received his undergraduate and medical degrees at Stanford University, completed his residency in psychiatry and fellowship in child psychiatry at the UCLA Neuropsychiatric Institute, and earned a PhD in genetics from Yale University. He was on the faculty at Yale from 2001 to 2013 where he was the Donald J. Cohen Professor of Child Psychiatry, Psychiatry and Genetics and the Co-Founder and Co-Director of the Yale Program on Neurogenetics. He is currently the Oberndorf Family Distinguished Professor and Chair of Psychiatry at UCSF and Director of the Langley Porter Psychiatric Institute and Hospital.