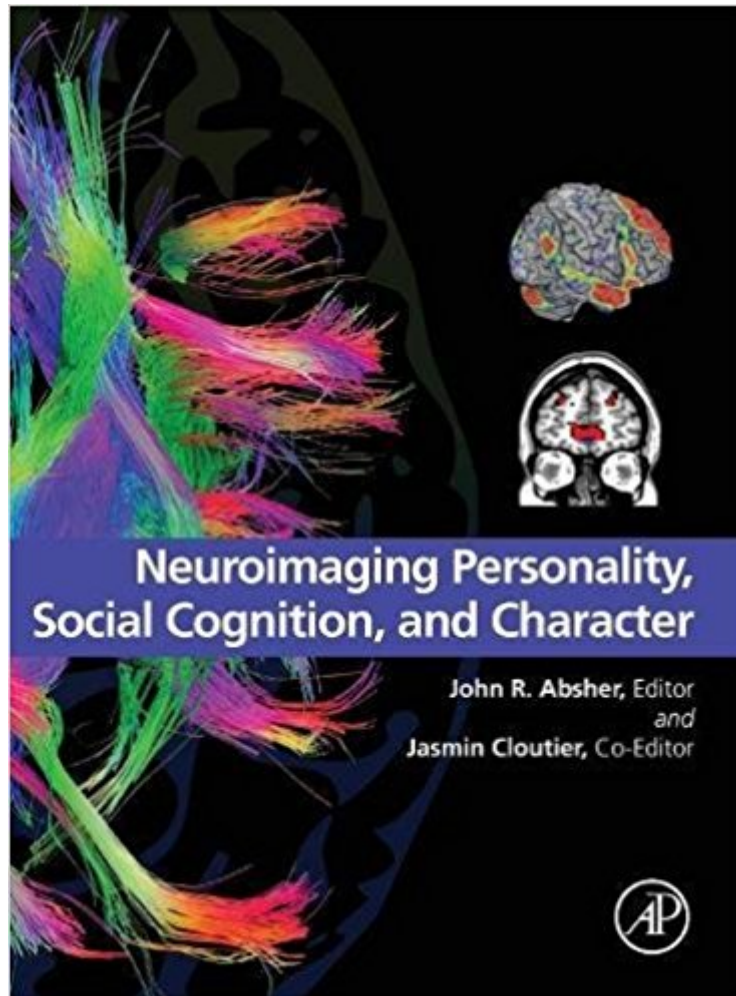




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# Neuroimaging Personality, Social Cognition, And Character



## Synopsis

Neuroimaging Personality, Social Cognition, and Character covers the science of combining brain imaging with other analytical techniques for use in understanding cognition, behavior, consciousness, memory, language, visual perception, emotional control, and other human attributes. Multidimensional brain imaging research has led to a greater understanding of character traits such as honesty, generosity, truthfulness, and foresight previously unachieved by quantitative mapping. This book summarizes the latest brain imaging research pertaining to character with structural and functional human brain imaging in both normal individuals and those with brain disease or disorder, including psychiatric disorders. By reviewing and synthesizing the latest structural and functional brain imaging research related to character, this book situates itself into the larger framework of cognitive neuroscience, psychiatric neuroimaging, related fields of research, and a wide range of academic fields, such as politics, psychology, medicine, education, law, and religion. Provides a novel innovative reference on the emerging use of neuroimaging to reveal the biological substrates of character, such as optimism, honesty, generosity, and othersFeatures chapters from leading physicians and researchers in the fieldContains full-color text that includes both an overview of multiple disciplines and a detailed review of modern neuroimaging tools as they are applied to study human characterPresents an integrative volume with far-reaching implications for guiding future imaging research in the social, psychological and medical sciences, and for applying these findings to a wide range of non-clinical disciplines such as law, politics, and religionConnects brain structure and function to human character and integrates modern neuroimaging techniques and other research methods for this purpose

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Brain imaging is aggressively employed as a tool for understanding human cognition and behavior. By combining brain imaging with other analytical techniques, the mechanisms of consciousness, memory, language, visual perception, emotional control, and other human attributes have been investigated. Multidimensional brain imaging research has been applied to aspects of brain function previously inaccessible to quantitative mapping. Consequently, understanding of human character traits such as honesty, generosity, truthfulness, and foresight has been enhanced. *Neuroimaging Personality and Character* 1e will summarize the latest brain imaging research pertaining to human character. The scope of this work encompasses structural and functional human brain imaging in both normal individuals and those with brain disease or disorder, including psychiatric disorders. The primary goals of the book are:- To situate studies of human character into the larger framework of cognitive neuroscience, psychiatric neuroimaging, and other closely related fields of research;- To synthesize the latest structural and functional brain imaging research related to character;- To propose neurobiological contributions to character, and identify areas for future research;- To anticipate the value of these findings across a wide range of academic fields

Dr. John Absher is the President of Absher Neurology, P.A. and Alliance for Neuro Research, LLC. Dr. Absher obtained his medical degree from the Medical College of Virginia/Virginia Commonwealth University. After internal medicine internship at the University of Maryland Medical Systems in Baltimore, he completed neurology residency at the University of Iowa Hospitals and Clinics, and Behavioral Neurology/Neuropsychiatry fellowship at the University of California, Los Angeles. He served for seven years as Assistant Professor of Neurology at Wake Forest University Baptist Medical Center and maintains an adjunct faculty position in the Department of Neuropsychiatry and Biobehavioral Sciences at the University of South Carolina. Dr. Absher is board certified by the American Board of Psychiatry and Neurology in Adult Neurology, has subspecialty certification in Behavioral Neurology by the United Council of Neurological Subspecialties, and additional certifications in neuroimaging (MRI and CT) and neurosonology through the American Society of Neuroimaging. Dr. Absher has been engaged in neuroimaging research and educational activities for 25 years, including structural and functional neuroimaging

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