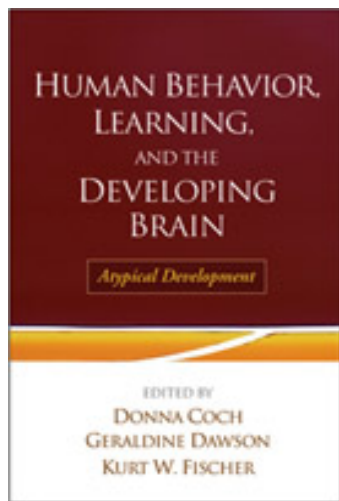


NEW RELEASE



Human Behavior, Learning, and the Developing Brain Atypical Development



Edited by Donna Coch, Geraldine Dawson,
and Kurt W. Fischer

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Overview

Synthesizing the breadth of current knowledge on brain-behaviour relationships in atypically developing children, this important volume integrates theories and data from multiple disciplines. Leading authorities present their latest research on specific clinical problems, including autism, Williams syndrome, learning and language disabilities, ADHD, and issues facing infants of diabetic mothers. In addition, the effects of social stress and maltreatment on brain development and behaviour are thoroughly reviewed. Demonstrating the uses of cutting-edge methods from developmental neuroscience, developmental psychology, and cognitive science, the contributors emphasize the implications of their findings for real-world educational and clinical practices. Illustrations include 8 pages in full colour

An authoritative stand-alone reference, this book can also be purchased in combination with the companion volume on typical development. Together, these volumes provide a comprehensive overview of the field. They represent the contemporary successor to Dawson and Fischer's influential single-volume work, *Human Behaviour and the Developing Brain*.

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Reviews

"In this valuable collection, leading scientists present the latest findings about the biological bases of developmental disorders, including dyslexia, autism, and attentional deficits. The book also includes early markers for these disorders, as well as appropriate educational interventions."

-Howard Gardner, PhD, Harvard Graduate School of Education

"The exciting interdisciplinary venture of clinical developmental cognitive neuroscience has come of age with this volume. More and more students from the behavioural sciences are eager to learn how brain, cognition, and behaviour are linked. In this book, they will find that the atypically developing brain tells us more about human learning and human behaviour than the typically developing brain ever reveals. But atypical development, as seen in autism, dyslexia, dyscalculia, or Williams syndrome, is also fascinating in its own right. The stellar array of authors represented in this volume guarantees that the reader will be provided with state-of-the-art information about neurodevelopmental disorders. No undergraduate or graduate course on the topic can do without this book."

-Uta Frith, PhD, Institute of Cognitive Neuroscience and Department of Psychology, University College London, UK

About the Editors

Donna Coch, EdD, is Assistant Professor in the Department of Education at Dartmouth College. She earned a doctoral degree from the Harvard University Graduate School of Education and conducted postdoctoral research at the University of Oregon. Dr. Coch's research focuses on what happens in the brain as children learn how to read, particularly in terms of phonological and orthographic processing. A goal of both her research and teaching is to make meaningful connections between the fields of developmental cognitive neuroscience and education.

Geraldine Dawson, PhD, is Professor of Psychology at the University of Washington, where she is also Director of the Autism Centre. She is internationally recognised for her pioneering research on early diagnosis and brain function in autism and early biological risk factors for psychopathology. Dr. Dawson has published over 125 scientific articles and chapters and a number of books, and has been the recipient of continuous research funding from the National Institutes of Health for her studies on autism and child psychopathology.

Kurt W. Fischer, PhD, is Charles Bigelow Professor of Education and Human Development at the Harvard University Graduate School of Education and founder and director of the program in Mind, Brain, and Education. He studies cognitive and emotional development from birth through adulthood, combining analysis of the commonalities across people with the diversity of pathways of learning and development. Dr. Fischer is the author of several books and over 200 scientific articles, and is founding president of the International Mind, Brain, and Education Society and editor of its journal *Mind, Brain, and Education*.

Audience

Practitioners and researchers in developmental and cognitive neuroscience, neuropsychology, developmental psychology, clinical psychology, education, and psychiatry; also of interest to advanced students.

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