This book, part of the Novartis Foundation Symposia series, brings together contributions from experts from multiple disciplines. To understand the brain and its devastating diseases, we need to reveal the mechanisms that produce it and the ways in which it can constantly change throughout a lifetime. This book features a timely and insightful discussion between developmental neurobiologists and clinicians who deal with disorders of the nervous system.

Chapters in this book deal specifically with cell fate determination, cell migration and disorders of cell migration; current concepts and new ideas about cortical arealisation, and disorders which can arise from incorrect arealisation; genes implicated in the development of cortical connectivity and related pathologies such as schizophrenia and synaesthesia; and susceptibility genes for cognitive disorders such as schizophrenia, autism, dyslexia, and attention deficit disorder.