List of contributors
Reflections on the origins of the human brain
Making of the Brain
The molecular basis of central nervous system development
Historical box 1
Holoprosencephaly and microcephaly vera: perturbations of proliferations
Historical box 2
Neuronal migration
Synaptogenesis in the neocortex of the newborn: the ultimate frontier for individuation?
Neurotrophic factors in brain development
Historical box 3
Neurotransmitters and neuromodulators
Historical box 4
Glial cell biology
Sensory Systems and Behavior
Development of the somatosensory system
Principles of endogenous and sensory activity-dependent brain development: the visual system
Historical box 5
Fetal and neonatal development of the auditory system
Newborn behaviour and perception
Radiological and Neurophysiological Investigation
Imaging the infant brain
Electroencephalography and amplitude-integrated EEG
Emergence of spontaneous and evoked EEG activity in the human brain
Clinical Aspects
Perinatal infections and brain injuries
Hypoxic-ischemic encephalopathy
Clinical assessment and therapeutic interventions for hypoxic-ischemic encephalopathy in the full-term infant
Clinical aspects of brain injury in the preterm infant
Follow-Up
Injury and recovery in the developing brain
Development of motor functions in health and disease
Antenatal glucocorticoids and programming of neuroendocrine function and behavior

Consciousness
On the emergence of consciousness
Index
Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.