

CONTENTS

Chapter 1	General introduction	7
Typical development of functional brain networks		
Chapter 2	Network analysis of resting state EEG in the developing young brain: structure comes with maturation	29
Chapter 3	Growing trees in child brains: graph theoretical analysis of electroencephalography-derived minimum spanning tree in 5- and 7-year old children reflects brain maturation.	61
Chapter 4	The brain matures with stronger functional connectivity and decreased randomness of its network.	89
Atypical development of functional brain networks		
Chapter 5	Resting-state oscillatory activity in children born small for gestational age: a magnetoencephalographical study.	119
Chapter 6	Functional brain networks in young children: small worlds in small heads?	139
Chapter 7	Resting-state networks in awake five- to eight-year old children.	171
Chapter 8	Disrupted functional brain networks in autistic toddlers.	199
Chapter 9	Summary and general discussion	227
	Nederlandse samenvatting	257
	Dankwoord	263
	List of publications	266
	Curriculum vitae	269