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Nota di contenuto	Front Cover; NEURONAL AND SYNAPTIC DYSFUNCTION IN AUTISM SPECTRUM DISORDER AND INTELLECTUAL DISABILITY; Series page; NEURONAL AND SYNAPTIC DYSFUNCTION IN AUTISM SPECTRUM DISORDER AND INTELLECTUAL DISABILITY; Copyright; Contents; List of Contributors; Preface; Acknowledgments; I - AUTISM SPECTRUM DISORDERS AND INTELLECTUAL DISABILITY: GENETIC AND NON-GENETIC CAUSES; 1 - Experimental Tools for the Identification of Specific Genes in Autism Spectrum Disorders and Intellectual Disab ...; POSITIONAL MAPPING; Linkage Mapping; Balanced Translocation Breakpoint Mapping; Autozygosity Mapping CANDIDATE GENE APPROACHCOPY NUMBER VARIATIONS; Genome-wide CNV Detection Methods; Targeted CNV Detection Methods; NEXT-GENERATION SEQUENCING; Next-Generation Sequencing Platforms; Whole-Genome Sequencing Studies in ID and ASD; Exome Sequencing in ID and ASD; CONCLUSION; References; 2 - Genetic Causes of Autism Spectrum Disorders; INTRODUCTION; TWIN AND FAMILY STUDIES IN ASD; FROM CHROMOSOMAL REARRANGEMENTS TO COPY NUMBER VARIANTS IN ASD; FROM CANDIDATE GENES TO WHOLE EXOME/GENOME SEQUENCING STUDIES IN ASD; COMMON VARIANTS IN

ASD; THE GENETIC ARCHITECTURE OF ASD
BIOLOGICAL PATHWAYS ASSOCIATED WITH ASDPERSPECTIVES;
Acknowledgments; References; 3 - Genetics of X-Linked Intellectual
Disability; INTRODUCTION; HISTORY OF XLID; CLASSIFICATION OF XLID;
Syndromal XLID; Nonsyndromal XLID; Genotype-Phenotype Correlation;
Redefining XLID; DISEASE MECHANISMS; Presynaptic Vesicle Cycling and
Transport; Cytoskeletal Dynamics; Cell-Adhesion and Transsynaptic
Signaling; Translational Regulation, Protein Degradation, and Turnover;
FUTURE CHALLENGES AND THERAPEUTIC APPROACHES; References
4 - Genetic Causes of Intellectual Disability: The Genes Controlling
Cortical DevelopmentINTRODUCTION; DEVELOPMENT OF THE
MAMMALIAN BRAIN CORTEX; GENETIC BASES OF CORTICAL
MALFORMATIONS AND THEIR CONTRIBUTION TO BETTER
UNDERSTANDING NORMAL CORTICAL DEVELOPMENT; Malformations
Resulting From Abnormal Neurogenesis; Malformations Resulting From
Neuronal Migration Defects; Malformations Thought to Be Related to
Late Migration and/or Postmigrational Defects; Malformations Resulting
From Pial Basement Membrane Defects: Type II Lissencephaly (or
Cobblestone Lissencephaly); DISCUSSION
ID With Malformations of Cortical Development versus ID Without
Apparent MalformationsMalformations of Cortical Development and ID:
What Are the Perspectives to Reverse Cellular and Neurodevelopmental
Defects?; Acknowledgments; References; 5 - Immune Dysfunction in
Autism Spectrum Disorder; INTRODUCTION; IMMUNE ABNORMALITIES
IN ASD; The Neuroimmune System; The Peripheral Immune System;
Cellular Immunity; Blood Cytokines; Immunoglobulins; The Enteric
Immune System; Neuroimmune Interactions; Peripheral Immune
System-Brain Interactions; IMMUNE-RELATED SUSCEPTIBILITY FACTORS
FOR ASD
Immune-Related Environmental Risk Factors

2. Record Nr.	UNICAMPANIAVAN0018052
Autore	Sarachik, Philip E.
Titolo	Principles of linear systems / Philip E. Sarachik
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