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| ISBN                    | 1-60876-247-5  |
| Descrizione fisica      | 1 online resource (261 p.)   |
| Collana                 | Intrinsically disordered proteins  |
| Altri autori (Persone)  | BoggsJoan M  |
| Disciplina              | 572/.633   |
| Soggetti                | Myelin basic protein<br>Myelin sheath  |
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| Livello bibliografico   | Monografia   |
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| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | <p>""MYELIN BASIC PROTEIN""; ""NOTICE TO THE READER""; ""CONTENTS""; ""PREFACE""; ""REFERENCES""; ""THE PROPERTIES AND FUNCTIONS OF THE GOLLI MYELIN BASIC PROTEINS""; ""ABSTRACT""; ""INTRODUCTION""; ""The MBP gene encodes the a€œclassica€? and golli family of proteins""; ""Features of the primary and higher ordered structure of the golli-MBPs""; ""Approaches to defining the biological roles of golli proteins in cells""; ""Unique phenotypes of the golli KO and golli overexpressing mice""; ""Emerging relevance of golli expression in pathology and disease""; ""CONCLUSION""; ""ACKNOWLEDGEMENTS""</p> <p>""REFERENCES""""POSTTRANSLATIONAL MODIFICATIONS OF MYELIN BASIC PROTEINS""; ""ABSTRACT""; ""INTRODUCTION""; ""ACETYLATION""; ""METHYLATION""; ""PHOSPHORYLATION""; ""Deamidation of glutamine at residues 103 and 147""; ""Deimination of arginine residues (citrullination)""; ""CONCLUSION""; ""REFERENCES""; ""DEIMINATION OF MYELIN BASIC PROTEIN BY PAD ENZYMES, AND THEIR ROLE IN MULTIPLE SCLEROSIS""; ""ABSTRACT""; ""INTRODUCTION""; ""MBP CHARGE ISOMERS""; ""CONSEQUENCES OF INCREASED CITRULLINATION OF MBP""; ""A. Proteolysis""; ""B. MBP autocatalysis and neoepitopes""</p> <p>""THE ROLE OF MYELIN BASIC PROTEIN IN MYELIN COMPACTION""""BILAYER STRUCTURE IN NORMAL APPEARING WHITE MATTER (NAWM) IN MS BRAIN IS NOT a€œNORMALa€?""; ""MBP MICROHETEROGENEITY IN MS WHITE MATTER""; ""PEPTIDYL ARGININE DEIMINASES (PADS)""; ""THE PAD2 CPG ISLAND""; ""FUTURE DIRECTIONS AND CONCLUDING</p> |

REMARKS""; ""ACKNOWLEDGEMENTS""; ""REFERENCES""; ""MYELIN BASIC  
PROTEIN-MEDIATED IMMUNOPATHOGENESIS IN MULTIPLE SCLEROSIS  
AND EAE""; ""ABSTRACT""; ""INTRODUCTION""; ""EXPRESSION OF MBP IN  
THE CNS AND THE IMMUNE SYSTEM""; ""MULTIPLE SCLEROSIS AND EAE""  
""MBP PEPTIDE SPECIFICITY OF CD4+ T CELLS IN MS""""FREQUENCY AND  
PHENOTYPES OF CD4+ T CELLS IN MS PATIENTS""; ""MBP PEPTIDE  
SPECIFICITY OF CD4+ T CELLS IN EAE""; ""EAE AND MS: TH1 VS.  
TH17?""; ""MBP-SPECIFIC CD4+ TCR TRANSGENIC MICE""; ""HUMANIZED  
MBP-SPECIFIC CD4+ TCR TRANSGENIC MICE""; ""MBP-SPECIFIC CD8+ T  
CELLS INVOLVED IN MS""; ""PATHOGENICITY OF MBP-SPECIFIC CD8+ T  
CELLS IS DEMONSTRATED IN NEW EAE MODELS""; ""B CELLS INVOLVED  
IN MS AND EAE""; ""IMMUNE TOLERANCE TO SELF-ANTIGENS""; ""CD4+  
T CELL IMMUNE TOLERANCE TO MBP""; ""CD8+ T CELL IMMUNE  
TOLERANCE TO MBP""; ""CONCLUSION""  
""REFERENCES""""A STRUCTURAL PERSPECTIVE OF PEPTIDES FROM  
MYELIN BASIC PROTEIN""; ""ABSTRACT""; ""ABBREVIATIONS"";  
""INTRODUCTION""; ""CRYSTAL STRUCTURE OF HLA-DR2 (DRA\*0101,  
DRB1\*1501) COMPLEXED WITH A PEPTIDE FROM HUMAN MYELIN BASIC  
PROTEIN MBP85-99""; ""Peptide interactions with HLA-DR2A""; ""Peptide  
interactions with Ob.1A.12 TCR""; ""STRUCTURE OF HUMAN MHC CLASS  
II COMPLEXED WITH A LONGER EPITOPE PEPTIDE (MBP86-105) FROM  
HUMAN MYELIN BASIC PROTEIN""; ""Interactions with HLA-DR2a / 2b"";  
""Interactions with TCR""  
""Structure of a human TCR complexed with a peptide from human  
MBP89-101 and a MHC class II molecule""

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