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Titolo	Celiac Disease : Methods and Protocols / / edited by Michael N. Marsh
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Nota di contenuto	Celiac Disease -- Genotyping Methodologies -- From Linkage to Genes -- Linkage and the Transmission Disequilibrium Test in Complex Traits -- Extraction, Separation, and Purification of Wheat Gluten Proteins and Related Proteins of Barley, Rye, and Oats -- Structure Elucidation of Gluten-Derived Peptides by Tandem Mass Spectrometry -- Synthetic Peptide Libraries for T-Cell Epitope Identification -- Characterization of HLA-DQ-Specific Peptide-Binding Motifs -- Studies of Gliadin-Specific T-Cells in Celiac Disease -- Morphometric Analysis of Intestinal Mucosa -- Morphometry of Rectal Mucosa -- Organ Culture of Rectal Mucosa -- In Situ Hybridization -- Measurements of Cytokine mRNA Expression by Quantitative Polymerase Chain Reaction in Studies of Celiac Disease -- Immunohistochemistry in Research and Diagnosis of Celiac Disease -- Immunoassay for Detection of IgA Antitissue Transglutaminase in Patients with Celiac Disease -- Antiendomysial and Antigliadin Antibody Tests and Diagnosis of Celiac Disease -- Whole Gut Lavage Fluid Analysis.
Sommario/riassunto	With the recent development of powerful bioanalytical techniques, research on gluten sensitivity has entered an exciting new phase. In Celiac Disease: Methods and Protocols, Professor Michael N. Marsh, a recognized world authority on this condition, together with a team of

other expert laboratory/clinical investigators from around the world present a collection of these state-of-the-art techniques for studying the biology and immunopathology of celiac disease. Both novice and experienced researcher will find in this collection detailed step-by-step methods for cloning lymphocytes, creating gene/peptide libraries, and performing genotyping, linkage, and positional cloning. Also included are techniques for determining the peptide structure of HLA-bound material (tandem mass spectroscopy), computerized morphometry, in situ hybridization, organ culture, and monoclonal AB assays. Comprehensive and cutting-edge, Celiac Disease: Methods and Protocols provides all experimental and clinical investigators with the essential core of readily reproducible methods necessary for successful work on celiac disease today.