

Molecular Nutrition Carbohydrates

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Molecular Nutrition: Carbohydrates presents the nutritional and molecular aspects of carbohydrates. A part of the Molecular Nutrition series, this book is divided into three sections: general and introductory aspects, molecular biology of the cell, and genetic machinery and its function.

The first section, general and introductory aspects, presents coverage on general aspects of carbohydrate metabolism, carbohydrates in the diet and insulin resistance, dietary sugars, lipoproteins, glucose transporters, fats, and glycoproteins.

The second section, molecular biology of the cell, includes material on fructose and insulin signaling, carbohydrate responsive binding protein, metabolic syndrome, glucose metabolism in T cells, effects of D-galactose, sugars and sweet taste receptors, peroxisome proliferator-activated receptors, and beneficial effects of glucosamine.

The third section, genetic machinery and its function, provides coverage of nutrigenomics, glucose and DNA methylation, GALT gene, OLR1 and IL17A genes, and glucose metabolism.

The book also addresses emerging fields of molecular biology and presents important discoveries related to diet and nutritional health.

Written for both researchers and practitioners, including nutritionists, dieticians, health scientists, health-care professionals, and policy makers, as well as educators and students, this book is sure to be a welcomed resource.

Key Features

- Summarizes molecular nutrition in health as related to carbohydrates.
- Addresses emerging fields of molecular biology and presents important discoveries related to diet and nutritional health.
- Includes key facts, a mini dictionary of terms, and summary points.

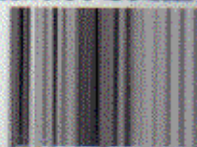


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