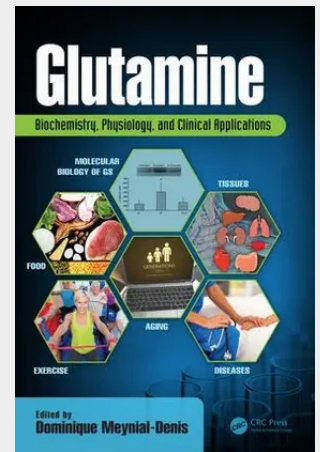


Glutamine

Glutamine: Biochemistry, Physiology, and Clinical Applications describes the different functions of glutamine (Gln) in animals and humans. Gln is both a nutrient and a signaling molecule, and its functions go beyond those of a simple metabolic fuel or protein precursor. This book has gathered together, in an unbiased and critical manner, all the available evidence and research on Gln including pathology (neurological diseases, intestinal diseases, critical illness, and cancer), physiology (successful aging), catabolic states, immunity, and exercise. Special attention is given to the potential benefit of Gln in states of insulin resistance and the role of Gln as a "conditionally essential" amino acid. The contributors are either pioneers or experts in the area of Gln from all around the globe, including Australia, Brazil, Canada, Europe, China, and the United States. This book is a valuable source of information for nutrition scientists, medical doctors, sports scientists, food scientists, dietitians, and anyone interested in nutrition. It is also a valuable resource for students in these fields and will be an important addition to university libraries.



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