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Impact of Diet Composition on Insulin Resistance

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Message from the Guest Editors

Dear Colleagues,

Insulin resistance is a key player in the pathology of cardiometabolic diseases. These diseases are commonly associated with a peripheral insulin resistance, but an important role of insulin is played at brain circuitries that control food behaviour and autonomic activity. Brain insulin resistance is also associated with cognition impairment and Alzheimer Disease, neurodegenerative diseases.

Disruptions in diet composition contribute to the genesis of insulin resistance. In contrast different feed regimens and some nutrients have beneficial impacts on insulin resistance and disease development

This special issue is developed to compile studies that highlight the beneficial or deleterious impact of different nutritional plans on insulin sensitivity and metabolism and that unravel mechanistic links between diet composition and nutritional status and the development of insulin resistance, both periphery and centrally.

This special issue will open new doors to tackle insulin-resistance associated diseases by modulating appropriately and in a personalized way the nutritional strategies.

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Message from the Editorial Board

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