



The Brain and Obesity

Guest Editor:

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Message from the Guest Editor

Obesity and its associated medical sequelae pose a major challenge for healthcare systems worldwide, especially given that obesity increases the risk of developing severe COVID-19.

Mounting evidence from clinical and preclinical studies has implicated the brain in the pathogenesis of obesity, making it a major target for effective weight loss interventions. Advances in new molecular neuroimaging techniques, investigations on the cross-talk between central and peripheral factors, and novel psychological interventions will continue to richly enhance our understanding of how targeting the brain is fundamental for achieving and maintaining a healthy body weight.

This Special Issue of *Brain Sciences* will provide readers with a comprehensive compilation of up-to-date study findings, innovative concepts, focused reviews, and different perspectives in obesity research. The goal of this Special Issue is to underscore the importance of nutritional, surgical, pharmacological, neuromodulatory, and behavioral investigations in order to define the impact of brain sciences on the development of powerful preventive and therapeutic strategies in human obesity.





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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).

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