

## Special Issue

# Endocrine Mechanisms and Cellular Dynamics in Obesity: Insights and Innovations

### Message from the Guest Editors

Obesity is a metabolic disorder characterized by excessive nutrient intake and adipose tissue mass expansion. It is associated with a number of life-threatening comorbidities. Despite major advances over the past decades, our understanding of the hormonal and molecular mechanisms driving obesity, as well as the alterations associated with it, is far from being complete. The identification of leptin, an adipokine hormone which serves as a link between the adipose tissue and the brain providing information about the availability of fat stores in the body, and which regulates food intake and energy expenditure, represented a seminal finding for the field. This year, we celebrate the 30th anniversary of the discovery of leptin, and we would like to commemorate such a landmark with a Special Issue on “Endocrine Mechanisms and Cellular Dynamics in Obesity: Insights and Innovations”. In this Issue, we welcome original research articles and cutting-edge reviews on the following topics:

- Adipokines and appetite
- Hypothalamic regulation
- Obese adipocyte changes
- Metabolic disruptions
- Inflammation in obesity
- Insulin resistance
- Hormonal therapies

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### Guest Editors

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### Deadline for manuscript submissions

30 April 2025



## Life

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*Life* (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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### Editor-in-Chief

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