

## Special Issue

# Current Advances in Oxytocin Research

### Message from the Guest Editor

Dear colleagues, The discovery of the pituitary neurohormone oxytocin led to the 1955 Nobel Prize in Chemistry being awarded to Vincent du Vigneaud. Evolutionarily, the anabolic effect of oxytocin makes sense since oxytocin concentrations increase during challenging situations, including pregnancy and lactation in mammals, and triggers aggressive behaviour that, in females, is important for the protection of offspring after labour, when they are most vulnerable to predators, and plasma oxytocin concentration is at its peak. From a wider perspective, this demonstrates that the effects of oxytocin are beneficial in the management of osteoporosis, body fat gain, diabetes, sarcopenia and all age-related diseases affecting elderly men and women, indicating the exciting therapeutic potential but also challenges. Thus, let this be a mission that could be celebrated in 2055, i.e., the 100th anniversary of oxytocin's discovery. As such, for this Special Issue, we invite all colleagues that have made significant contributions to studies relating to oxytocin in recent years to contribute with reviews or original research articles.

### Guest Editor

Dr. Claudia Camerino

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### Deadline for manuscript submissions

closed (30 June 2025)



## Current Issues in Molecular Biology

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Impact Factor 3.0  
CiteScore 3.7  
Indexed in PubMed



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### Message from the Editor-in-Chief

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#### Editor-in-Chief

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