

# Special Issue

## Pain: From Bench to Bedside

### Message from the Guest Editors

This Special Issue, “Pain: From Bench to Bedside”, highlights advances in the mechanistic understanding of pain and the translation into novel therapeutic treatments. Despite significant unmet clinical needs, recent scientific discoveries have identified new targets across ion channels, neuroimmune pathways, and receptor systems, enabling the development of non-opioid analgesics and biologics. This issue will feature research on emerging therapies targeting pathways such as TRP channels, NaV channels, CGRP, glial modulation, and ascending and descending modulating pain pathways, among others. Contributions leveraging transcriptomics, proteomics, neuromodulation, and imaging to elucidate pain pathophysiology are encouraged. Submissions exploring machine learning-driven target prediction, compound screening, and structure-activity modeling are particularly welcome. This Special Issue is supervised by and , assisted by Assistant Dr. Woojin Lee ([WLee4@brownhealth.org](mailto:WLee4@brownhealth.org), Department of Anesthesiology, Brown University Health, The Warren Alpert Medical School, Brown University, Providence, RI 02912, USA).

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### Deadline for manuscript submissions

20 September 2026



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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