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Recent Advances in the Mechanisms and Treatment of Pain

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Message from the Guest Editors

Although the ascending and descending pathways for pain transmission have been well-characterized, the cellular and molecular mechanisms controlling pain initiation, transmission, modulation and perception are still unclear, and how pain progresses from an acute to a chronic state remain far from understood. The recent development in various imaging techniques, single-cell transcriptomics, proteomics, optogenetics and other novel molecular approaches enables us to better understand the pain pathogenesis in both cellular and systems levels. In this Special Issue, we aim to present breakthrough discoveries in the mechanisms and treatment of pain, particularly neuropathic pain associated with nerve injury, trauma, and other neurological diseases. All article types, including original *in vitro* and *in vivo* experimental studies, review articles, and clinical studies, are welcome for submission.



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Special Issue



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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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