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## Inflammatory Breast Cancer: Biology, Mechanisms, Diagnostics, and Therapeutics

Guest Editor:

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Deadline for manuscript submissions:

**closed (10 February 2023)**

### **Message from the Guest Editor**

Inflammatory breast cancer (IBC) is a rare but aggressive form of breast cancer. The annual IBC incidence in the US is between 1.6 and 3.1 per 100,000 women. In humans, IBC was first described in 1814 by Charles Bell as a painful breast tumor with a poor prognosis, presenting purple discoloration of the overlying skin. IBC does not commonly form a lump as occurs with other forms of breast cancer. IBC causes symptoms of breast inflammation such as swelling and redness, which is caused by cancer cells blocking lymph vessels in the skin causing the breast to look “inflamed”. Pathogenesis and behavior of IBC are closely related to components of the tumor microenvironment (TME), including tumor surrounding inflammatory and immune cells, blood vessels, extracellular matrix, etc.

Although we have achieved enormous progress in refining diagnostic criteria and establishing multimodality treatment strategies, outcomes remain unsatisfactory. The purpose of this Special Issue is to highlight recent findings regarding mechanisms, diagnostics, and therapies for inflammatory breast cancer. We welcome the submission of both original research articles and reviews.



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# Special Issue



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## Message from the Editorial Board

*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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