# **Special Issue**

# Cellular Plasticity in Cancer: Mechanisms, Measurement and Therapeutic Opportunities

# Message from the Guest Editor

This Special Issue will bring together original research, reviews, and perspectives investigating how cellular plasticity shapes tumor initiation, progression, metastasis, and therapeutic resistance across cancer types. Cellular plasticity—the capacity of cancer cells to alternate between differentiated and stem-like states—has emerged as a defining feature of neoplastic malignancy. These transitions allow tumor cells to adapt to stress, evade immune pressure, and survive treatment. However, major questions remain unanswered: What molecular cues initiate these transitions? Are they reversible or directional? Which states confer metastatic potential or drug tolerance, and how can they be predicted or therapeutically targeted?

Through mechanistic, single-cell, functional genomic, and computational studies, this Special Issue collection seeks to clarify how lineage plasticity, epithelial-mesenchymal transition (EMT) programs, stem-like persistence, and therapy-induced reprogramming intersect to promote malignant adaptability. The combined insights will form a conceptual and practical blueprint for predicting, measuring, and intervening in tumor plasticity across diverse solid tumors.

#### **Guest Editor**

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## Deadline for manuscript submissions

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# Message from the Editor-in-Chief

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