

Special Issue

Targeting DEK and TGF- β Signaling in Gynecologic Disease and Cancer: Diagnostic and Therapeutic Perspectives

Message from the Guest Editors

This Special Issue will explore the multifaceted roles of DEK, a chromatin-binding oncogene, and the TGF- β signaling pathway in the development and progression of gynecologic diseases and malignancies, with particular emphasis on cervical cancer, endometriosis, and uterine myomas. Both DEK and TGF- β are independently implicated in key cellular processes such as proliferation, DNA repair, immune modulation, fibrosis, and epithelial-mesenchymal transition (EMT). However, recent findings suggest potential crosstalk between DEK expression and TGF- β signaling, offering novel insights into disease mechanisms and therapeutic strategies. This Issue aims to consolidate current knowledge on DEK as a diagnostic or prognostic biomarker and TGF- β receptor inhibition strategies (e.g., LY364947) as potential treatments. We invite original research and reviews that address molecular pathways, drug discovery, biomarker development, and patient-specific models. Contributions that explore the intersection of oncology and benign gynecologic disease, or investigate combinatorial therapeutic approaches targeting the DEK-TGF- β axis, are particularly encouraged.

Guest Editors

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Deadline for manuscript submissions

30 April 2026



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/252081

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