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Li-Shi Li, Xiang-Yu Guo, Kun Sun

Abstract
Gastrointestinal cancers are among the most common cancer types and leading causes of cancer-related deaths worldwide. There is tremendous clinical need for effective

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Artificial intelligence in gastrointestinal diseases

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Recent progress in AI has resulted in predictive tools for the diagnosis of GI cancer classification, where network-based machine learning in colorectal and bladder organoid models predicts drug responders and non-responders using network analysis of pharmacogenomics data and the patient's transcriptome.

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The etiology of cerebral palsy (CP) is complex and remains inadequately understood. Early detection of CP is an important clinical objective as this improves long term outcomes. We performed genome-wide DNA methylation analysis to identify epigenomic predictors of CP in newborns and to investigate disease pathogenesis. Methylation analysis of newborn blood DNA using an Illumina ...

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