

## Special Issue

# Deep Learning in Medical Images for Gastrointestinal Cancers: Advanced Diagnosis and Prediction

### Message from the Guest Editor

Gastrointestinal tumors are the most common of the rare non-epithelial neoplasms of the gastrointestinal tract. These tumors are usually classified into four groups of risk, by combining information from physical examination, laboratory tests, imaging, and tissue biopsy. Different treatments are then offered according to the risk. The advent of anatomic and functional diagnostic imaging has improved the non-invasive characterization of tissues and different imaging biomarkers have been recently developed to classify patients' risk. The purpose of this Special Issue is to present the most recent innovations in the development of imaging biomarkers based on deep learning algorithms. These imaging biomarkers can exploit both radiological and digital pathological images. We encourage the submission of studies that are aimed at optimizing detection, risk stratification, and the response to treatment of gastrointestinal tumors by developing imaging biomarkers based on different imaging inputs, i.e., radiological and pathological images. We also encourage the submission of multi-omics studies.

### Guest Editor

Dr. Valentina Giannini

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### Deadline for manuscript submissions

closed (31 August 2023)



## Diagnostics

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