

Special Issue

Digital Pathology: Diagnosis, Prognosis, and Prediction of Diseases

Message from the Guest Editor

Digital pathology is revolutionizing the field by converting glass slides into digital slides. These slides can be easily viewed, analyzed on a computer monitor, managed with annotations and tag selections, and shared in research, teaching, or expertise networks. Digital pathology has made it possible to change the diagnosis workflow, generate big data, and develop and apply artificial intelligence (AI) models. Image analysis is able to extract quantitative and complex data from digitized whole-slide images. AI algorithms generated by machine learning are mainly used for detection, the quantification of biomarkers, or the prediction of prognosis, responses to therapy, or molecular alterations. This Special Issue is dedicated to the applications of digital pathology and AI in the diagnosis, prognosis, and prediction of disease. Indeed, digital pathology can improve the accuracy of a diagnosis by improving analysis and reducing errors. In addition, AI is also crucial to enhancing productivity by improving workflows and reducing time analysis thanks to automatic screening and the quantification of biomarkers.

Guest Editor

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