Special Issue

Digital Pathology: From Technological Advances to Routine Clinical Application

Message from the Guest Editor

Integration of diagnostic and prognostic tools based on artificial intelligence (AI) will possibly represent a milestone for the healthcare system within the next decade. Histopathology is, however, only at the very beginning of this digital revolution. Very recently, deep learning, an AI subfield, has created rapid advances in the performance of image analysis. This has, for instance, made automated analysis of conventional, low-cost hematoxylin-eosin stains feasible. Thus, AI possibly has the potential to simplify and standardize automated procedures within and across pathology departments, which, in time, will lead to better, faster, and cheaper patientcare. Nonetheless, considerable development and validation work lies ahead before AI-based methods are ready for integration at the departments of pathology. This Special Issue welcomes research papers within all fields of digital pathology that may accelerate the implementation of automated procedures, ranging from methodology to clinical validation studies.

Guest Editor

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