

Special Issue

Imaging-Histopathology Correlation

Message from the Guest Editor

Imaging techniques, alone or in hybrid, help to noninvasively visualize healthy and diseased organs and tissues in 2D or 3D with spatial resolutions ranging from millimeter to sub-micrometer, with data quantification using computer software. However, in clinic definite diagnosis of the disease usually relies on the depiction of pathological alterations at cellular, subcellular, and molecular levels, which can be realized only by using the gold-standard technique of histopathology. Likewise, the accuracy of imaging diagnosis can be verified by such decisive histopathology sampling through needle biopsy, open surgery, and autopsy. Medical imaging and histopathology belong to macro- and microscopic morphology, respectively. Their qualitative and quantitative correlations are always what clinical and preclinical researchers strive to achieve, being more recently aided by big data and artificial intelligence (AI). This Special Issue welcomes contributions covering all aspects of experimental and clinical imaging-histopathology correlations as addressed above.

Guest Editor

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