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Recent Progress in Human Hippocampus Histological Studies

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Message from the Guest Editors

Dear Colleagues,

This Special Issue of Anatomia aims to study the histological correlates of neuroradiologically defined landmarks in the hippocampal formation, amygdala, and parahippocampal region cortices. We will examine the histological/neuroradiological appearance in controls, Alzheimer's disease, and frontotemporal lobar dementia, focusing on the medial temporal lobe surface. The issue will also cover research on dense histological analysis and its translation to MRI images, as well as the variability in the collateral sulcus, an important landmark for localizing the parahippocampal region cortices.

Moreover, we will explore the hippocampal neuroradiological correlates of persistent COVID-19, providing insights into post-viral pathological changes. Additionally, the issue will include reports on the human hippocampal connectivity with other brain areas, brainstem innervation of the hippocampus, and macroscopic observations on the pig's hippocampus as an anatomical model.

We believe that this Special Issue will enhance understanding of the intricacies of the hippocampus and its relevance to basic and clinical studies