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Cardiomyopathy at the Sub-Cellular Level

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

This Special Issue of *JCDD* is focused on "Cardiomyopathy at the Sub-Cellular Level", encompassing the molecular mechanisms of pathological remodeling within cardiomyocytes that lead to mechanical and electrical perturbation of the heart. Cellular regulatory hubs that have received substantial historical attention include altered gene expression at the transcriptional level and posttranslational modification of proteins. More recently, processes previously thought of as 'constitutive' such as post-transcriptional regulation at the point of protein translation and trafficking of de novo proteins within cardiomyocytes have been uncovered as highly dynamic and subject to pathological changes in diseased hearts. As our understanding grows, a clearer picture of the 'healthy' versus 'diseased' cardiomyocyte is emerging which, while complex, is unveiling new avenues for therapeutic intervention.

Dr. James Smyth
Guest Editor