The role of titin in systolic and diastolic cardiac function

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While heart failure with preserved ejection fraction (HFpEF) may be triggered by metabolic risk, impaired relaxation and filling remain hallmarks of the disease. These diastolic disturbances are due in part to remodeling processes within the cardiomyocytes, notably a stiffening of the giant elastic protein titin. Prof. Linke will talk about recent insights into the role of this protein in HFpEF and therapeutic options to reduce pathological titin-based myocardial stiffness. He will also cover novel evidence for active participation of titin in systolic contraction.

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