

Yohan Santin

Yohan Santin obtained his PhD in 2019 in Toulouse, France, where he studied how mitochondrial and lysosomal alterations contribute to heart failure with reduced ejection fraction. During his first postdoctoral experience, he contributed to the establishment of one of the largest aging mouse cohorts worldwide within the multidisciplinary IHU HealthAge program, and in parallel, he advanced the characterization of cardiomyocyte senescence through the identification of molecular markers. In 2024, he pursued postdoctoral training in Milan, Italy, specializing in advanced cellular and translational models, including human induced pluripotent stem cell-derived cardiomyocytes.

Since 2026, he has held a permanent research position at the Institute of Metabolic and Cardiovascular Diseases in Toulouse, France. His current research focuses on the molecular drivers of cellular senescence, particularly lysosomal pathways, and their role in cardiac aging and heart failure with preserved ejection fraction. His work aims to link aging-related cellular alterations to pathological cardiac dysfunction and to identify innovative therapeutic strategies.