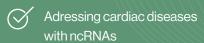


At the pulse of heart diseases

Cardior Pharmaceuticals is a leading clinical-stage biopharmaceutical company pioneering the discovery and development of RNA-based therapeutics designed to prevent, repair and reverse diseases of the heart. The company's therapeutic approach uses distinctive non-coding RNAs as an innovative platform for addressing the root causes of cardiac dysfunction. Cardior's goal is to bring transformative therapeutics and diagnostics to patients and thereby make a lasting impact on the treatment of cardiac diseases worldwide.

Key facts





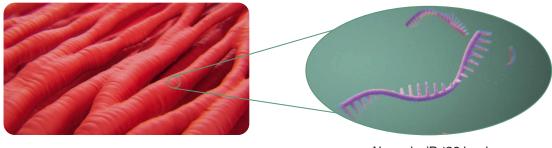


Series A: € 15M Series B: € 64M Lead candidate with blockbuster potential



Technology

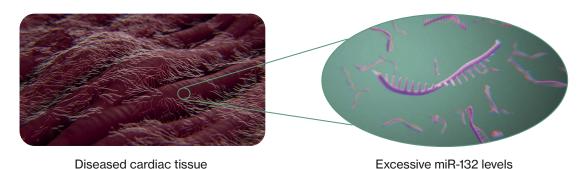
Cardior's strong foundation for growth and innovation is based on non-coding RNAs that orchestrate fundamental cellular cardiac processes. A non-coding RNA – miR-132 – is found to be responsible for the ability of the heart muscle cells, cardiomyocytes, to contract and relax efficiently.



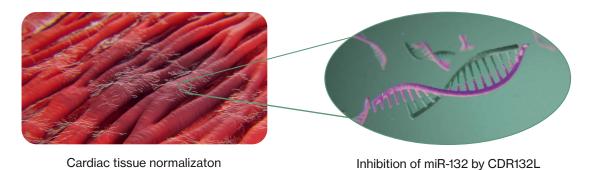
Healthy cardiac tissue

Normal miR-132 levels

In the situation of cardiac stress miR-132 levels are overexpressed leading to a significant increase of this non-coding RNA in the heart muscle cells. This elevation triggers disease related signaling cascades provoking an adverse remodeling process characterised by hypertrophy, fibrosis and impaired vascularisation of the heart tissue. These factors contribute to contractile disfunction and the progression of heart failure in patients.



The treatment approach is based upon targeting miR-132 with Cardior's innovative therapeutic — the antisense oligo-nucleotide CDR132L. CDR132L selectively blocks aberrant miRNA-132 levels restoring derailed cellular signaling thereby reversing the detrimental remodeling process and improving heart function. CDR132L's transformative potential can offer new opportunities for the treatment of various heart failure conditions.



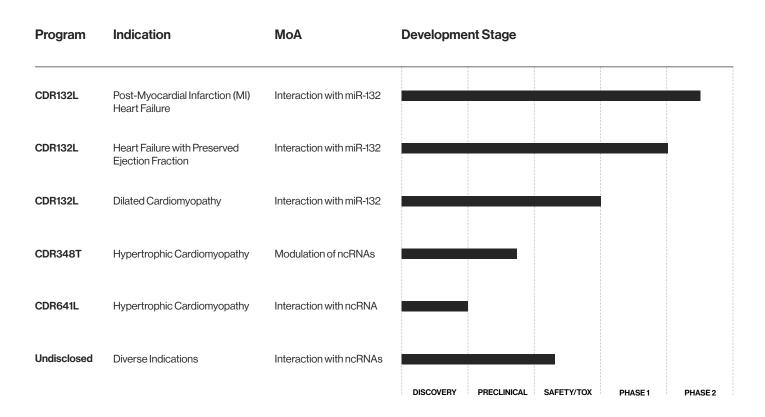
Key publications

Efficacy and safety of CDR132L in patients with reduced left ventricular ejection fraction after myocardial infarction: Rationale and design of the HF-REVERT trial, Bauersachs J. et al., European Heart Failure Journal, 2024 7

Novel antisense therapy targeting microRNA-132 in patients with heart failure: results of a first-in-human Phase 1b randomized, double-blind, placebo-controlled study, Täubel J. et al., European Heart Journal, 2021 /

CDR132L improves systolic and diastolic function in a large animal model of chronic heart failure, Batkai S. et al., European Heart Journal, $2021 \nearrow$

Pipeline



Our lead candidate CDR132L is an inhibitor directed against miRNA132, designed to halt and reverse the development of detrimental cardiac remodeling. As a therapeutic candidate, CDR132L has several distinguishing features:

- CDR132L selectively blocks aberrant miRNA132 levels contributing to improved cardiac systolic and diastolic function in patients
- CDR132L has the potential to prolong the patient's life span as well as improve quality of life
- CDR132L is a highly stable watersoluble oligonucleotide formulated for parenteral or subcutaneous application

The advantages of the Cardior platform

Based on world-leading Highly stable and effective Pre-clinical proof-of-concept RNA therapies resulting from expertise in the therapeutic demonstrating the potential of modulation of RNAs through a proprietary discovery engine the approach and first clinical synthetic oligonucleotides evaluation completed Deep understanding of the Effective target modulation and Successful scale up of a fast complex interplay of multiple targeted delivery into the heart and cost-efficient GMP grade disease-causing mechanisms achieved manufacturing and the role of ncRNAs

Leadership Team

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Axel-Sven Malkomes CFO

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