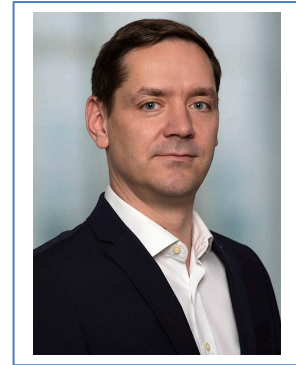


Prof. Dr. Christian Bär

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Professor (W2) of Regenerative Cardiology

Date of birth: November 3rd, 1980

Gender: male

Education and Employment Record:

Academic Education and University Degrees

2021	Habilitation / Lecture qualification, Hannover Medical School, Hannover
2007 - 2011	Ph.D. in Genetics at University of Leicester, Leicester, UK
2001 - 2006	Diploma Degree in Biology (first class) at Martin-Luther-Universität, Halle/Saale, Germany

Employment

2023	Professorship (W2) at the Hannover Medical School, Institute of Molecular and Translational Therapeutic Strategies (IMTTS) and the Fraunhofer Institute for Toxicology and Experimental medicine (ITEM), Hannover
2015 - 2022	Research Group Leader "The non-coding genome in cardiac ageing and regeneration" Institute of Molecular and Translational Therapeutic Strategies, Hannover Medical School, Germany
2012 - 2015	Post-doctoral Researcher at the National Spanish Cancer Centre (CNIO) in the Telomere and Telomerase group directed by Maria A. Blasco.
2012	Post-doctoral Researcher at the Institute of Microbiology, University of Kassel, Kassel, Germany

Coordinating Functions (since 2010 or current):

2022 - 2026	Work-Package Coordinator and steering committee member of the Fraunhofer Lighthouse Project "RNAuto"
2019 - 2023	Coordinator of the ERA-NET CVD Grant INNOVATION (BMBF)
2017 - 2020	Work-Package Coordinator ERA-NET CVD Grant EXPERT (BMBF)

Scholarships / Awards / Honors

2019	Professional Management Programme Stipend (ZWM Speyer e.V.)
2017	Conference Assistant Keystone Symposia on RNA-Based Approaches in Cardiovascular Disease
2015	DAAD Rückkehrstipendium
2014	Roche Postdoc Fellowship
2012	Banco Santander Foundation - Postdoctoral Fellowships for Young Researchers trained in the UK
2008	Genetic Society of America Travel Award
2006	GradFög PhD Fellowship for Excellence awarded by University of Halle, Germany

2006 FEBS (Federation of European Biochemical Societies) Summer Fellowship

Currently funded Projects

Since 2022 Individual DFG grant (No. 506207541)
Since 2022 COFONI Covid-19 Forschungsnetzwerk Niedersachsen (with Prof. Thum)
Since 2020 Rebirth Synergy Grant (Niedersachsen Vorab, MWK Lower Saxony)
Since 2019 INNOVATION ERA-CVD JTC2018 (BMBF), Coordinator
Since 2019 SFB Transregio TRR267 (DFG), PI Project B01

Most important publications

Lu D, Chatterjee S, Xiao K, Riedel I, Huang CK, Costa A, Cushman S, Neufeldt D, Rode L, Schmidt A, Juchem M, Leonardy J, Büchler G, Blume J, Gern OL, Kalinke U, Tan WLW, Foo R, Vink A, Laake LW van, Meer P van der, **Bär C**[§], **Thum T**[§]. A circular RNA derived from the insulin receptor locus protects against doxorubicin-induced cardiotoxicity. *Eur Heart J*. 2022 10.1093/eurheartj/ehac337. PMID: 35758064 [§]co-corresponding

Hoepfner J, Leonardy J, Lu D, Schmidt K, Hunkler HJ, Biß S, Foinquinos A, Xiao K, Regalla K, Ramanujam D, **Engelhardt S**, **Bär C**[§], **Thum T**[§]. The long non-coding RNA NRON promotes the development of cardiac hypertrophy in the murine heart. *Mol Ther*. 2022 Mar 2;30(3):1265-1274. PMID: 34856383 [§]co-corresponding

Chatterjee S, Hofer T, Costa A, Lu D, Batkai S, Gupta SK, Bolesani E, Zweigerdt R, Megias D, Streckfuss-Bömeke K, Brandenberger C, **Thum T**, **Bär C**. Telomerase therapy attenuates cardiotoxic effects of doxorubicin. *Mol Ther*. 2021 Apr 7;29(4):1395-1410. PMID: 33388418

Lu D, Chatterjee S, Xiao K, Riedel I, Wang Y, Foo R, **Bär C**[§], **Thum T**[§]. MicroRNAs targeting the SARS-CoV-2 entry receptor ACE2 in cardiomyocytes. *J Mol Cell Cardiol*; 2020;148:46–49. PMID: 32891636 [§]co-corresponding

Viereck J, Bührke A, Foinquinos A, Chatterjee S, Kleeberger JA, Xiao K, Janssen-Peters H, Batkai S, Ramanujam D, Kraft T, Cebotari S, Gueler F, Beyer AM, Schmitz J, Bräsen JH, Schmitto JD, Gyöngyösi M, Löser A, Hirt MN, Eschenhagen T, **Engelhardt S**, **Bär C**[§], **Thum T**[§]. Targeting muscle-enriched long non-coding RNA H19 reverses pathological cardiac hypertrophy. *Eur Heart J*. 2020 Sep 21;41(36):3462-3474. PMID: 32657324 [§]co-corresponding

Hunkler HJ, Hoepfner J, Huang C-K, Chatterjee S, Jara-Avaca M, Gruh I, Bolesani E, Zweigerdt R, **Thum T**, **Bär C**. The Long Non-coding RNA Cyrano Is Dispensable for Pluripotency of Murine and Human Pluripotent Stem Cells. *Stem Cell Reports*; 2020;15:13–21. PMID: 32531193

Beermann J, Kirste D, Iwanov K, Lu D, Kleemiß F, Kumarswamy R, Schimmel K, **Bär C**[§], **Thum T**[§]. A large shRNA library approach identifies lncRNA Ntep as an essential regulator of cell proliferation. *Cell Death Differ*, 2017. *Cell Death Differ*. 2018 Feb 3;25(2):307–18. PMID: 29099486; [§]co-corresponding

Bär C, Povedano JM, Serrano R, Benitez-Buelga C, Popkes M, Formentini I, Bobadilla M, Bosch F, Blasco MA. Telomerase gene therapy rescues telomere length, bone marrow aplasia, and survival in mice with aplastic anemia. *Blood*, 2016. 127:1770–9. PMID: 26903545

Bär C, Huber N, Beier F, Blasco MA. Therapeutic effect of androgen therapy in a mouse model of aplastic anemia produced by short telomeres. *Haematologica*, 2015. 100:1267–74. PMID: 26206796

Bär C, de Jesus BB, Serrano R, Tejera A, Ayuso E, Jimenez V, Formentini I, Bobadilla M, Mizrahi J, de Martino A, Gomez G, Pisano D, Mulero F, Wollert KC, Bosch F, Blasco MA. Telomerase expression confers cardioprotection in the adult mouse heart after acute myocardial infarction. *Nat Commun*, 2014. 5:5863. PMID: 25519492