

Dr. Christian Bär

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Junior Research Group Leader

Date of birth: November 3rd, 1980

Education and Employment Record**Academic Education and University Degrees**

2007 - 2011 Ph.D. in Genetics at University of Leicester, Leicester, UK
 2001 - 2006 Diploma Degree in Biology (first class) at Martin-Luther-University,
 Halle/Saale, Germany

Employment

since 2015 Junior Research Group Leader “The non-coding genome in cardiac ageing
 and regeneration” Institute of Molecular and Translational Therapeutic
 Strategies, Hannover Medical School, Hannover, Germany
 2012 - 2015 Post-doctoral Researcher at the National Spanish Cancer Centre (CNIO),
 Madrid, Spain. Member of 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

2019 - 2022 Coordinator of the ERA-NET CVD JTC2018 Grant INNOVATION (BMBF)

Current Funding

2017 - 2020	DFG Individual grant (BA5631/2-1)	510k€
2018 - 2021	N-Bank grant EFRE Project	299k€
2019 – 2022	INNOVATION ERA-CVD Joint Transnational Call (BMBF funded)	300k€
2019	MHH internal starting grant for new research line (HiLF II)	24.6k€

Scholarships / Awards / Honors

2018 Professional Management Programme Fellowship
 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

Most important publications

- Gupta SK, Garg A, **Bär C**, Chatterjee S, Foinquinos A, Milting H, Streckfuß-Bömeke K, Fiedler J, Thum T. Quaking Inhibits Doxorubicin-Mediated Cardiotoxicity Through Regulation of Cardiac Circular RNA Expression Novelty and Significance. *Circ Res*. 2018 Jan 19;122(2):246–54. PMID: 29133306
- 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
- Masson S, Batkai S, Beermann J, **Bär C**, Pfanne A, Thum S, Magnoli M, Balconi G, Nivolosi GL, Tavazzi L, Latini R, Thum T. Circulating microRNA-132 levels improve risk prediction for heart failure hospitalization in patients with chronic heart failure. *Eur J Heart Fail*. 2018 Jan;20(1):76-77. PMID: 29044870.
- Bär C**, Chatterjee S, Thum T. Long Noncoding RNAs in cardiovascular pathology, diagnosis, and therapy. *Circulation*, 2016. 134:1484–1499. PMID: 27821419
- 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**, Blasco MA. Telomeres and telomerase as therapeutic targets to prevent and treat age-related diseases. *F1000Research*, 2016. PMID: 27081482
- 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
- Uthman S*, **Bär C***, Scheidt V, Liu S, ten Have S, Giorgini F, Stark MJR, Schaffrath R. The Amidation Step of Diphthamide Biosynthesis in Yeast Requires DPH6, a Gene Identified through Mining the DPH1-DPH5 Interaction Network. *PLoS Genet*, 2013. 9:e1003334. PMID: 23468660. *equal contribution
- Bär C**, Zabel R, Liu S, Stark MJR, Schaffrath R. A versatile partner of eukaryotic protein complexes that is involved in multiple biological processes: Kti11Dph3. *Mol Microbiol*, 2008. 69:1221–33. PMID: 18627462