Curriculum Vitae **Brenda Gerull**

Personal Data

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Selection of peer-reviewed research articles:

1. Williams T, Groß R, Arias-Loza AP, *et int*, **Gerull B**. Insights from [18F]-FDG PET Imaging in Jup-Associated Arrhythmogenic Cardiomyopathy. *J Am Heart Assoc*. 2025 Mar 4;14(5):e038331. doi: 10.1161/JAHA.124.038331.
2. Janz A, Walz K, Cirnu A, *et int*, **Gerull B**. Mutations in DNAJC19 cause altered mitochondrial structure and increased mitochondrial respiration in human iPSC-derived cardiomyocytes. *Mol Metab.* 2024 Jan;79:101859. doi: 10.1016/j.molmet.2023.101859.
3. Chen R, Buchmann S, Kroth A, *et int*, **Gerull B**. Mechanistic insights of the LEMD2 p.L13R mutation and its role in cardiomyopathy. *Circulation Research.* 2023;132: Jan 20;132(2):e43-e58. doi: 10.1161/CIRCRESAHA.122.321929.
4. Shoykhet M, Dervishi O, Menauer P, *et int*, **Gerull B**, *et int*, Yeruva S. EGFR inhibition leads to enhanced desmosome assembly and cardiomyocyte cohesion via ROCK activation. *JCI Insight*. 2023 Mar 22;8(6):e163763. doi: 10.1172/jci.insight.163763.
5. Abdelfatah N, Chen R, Duff HJ, *et int*, **Gerull B**. Characterization of a Unique Form of Arrhythmic Cardiomyopathy Caused by Recessive Mutation in LEMD2. *JACC Basic Transl Sci.* 2019 Apr 29;4(2):204-221. doi: 10.1016/j.jacbts.2018.12.001.
6. Brodehl A, Belke DD, Garnett L, *et int*, **Gerull B**. Transgenic mice overexpressing desmocollin-2 (DSC2) develop cardiomyopathy associated with myocardial inflammation and fibrotic remodeling. *PLoS One.* 2017 Mar 24;12(3):e0174019. doi: 10.1371/journal.pone.0174019.
7. Brodehl A, Ferrier RA, Hamilton SJ, *et int*, **Gerull B**. Mutations in FLNC are Associated with Familial Restrictive Cardiomyopathy. *Hum Mutat*. 2016 Mar;37(3):269-79. doi: 10.1002/humu.22942.
8. **Gerull B**, Kirchner F, Chong J, *et int*, Duff HJ. A Homozygous Founder Mutation in Desmocollin-2 (DSC2) Causes Arrhythmogenic Cardiomyopathy in the Hutterite Population. *Circulation Cardiovasc Genet.* 2013 Aug 1;6(4):327-36. doi:10.1161/CIRCGENETICS.113.000097.
9. Gramlich M, Michely B, Krohne C, *et int*, **Gerull B**. Stress-induced dilated cardiomyopathy in a knock-in mouse model mimicking human titin-based disease. *J Mol Cell Cardiol*. 2009 Sep;47(3):352-58. doi: 10.1016/j.yjmcc.2009.04.014.
10. **Gerull** B, Heuser A, Wichter T, *et int*, Thierfelder L. Mutations in the desmosomal protein plakophilin-2 are common in arrhythmogenic right ventricular cardiomyopathy. *Nat Genet.* 2004 Nov;36(11):1162-64. doi: 10.1038/ng1461.