

Curriculum Vitae

Werner Seeger Professor, Dr. rer. Nat.
d.o.b. May 10th, 1987, in Saalfeld, Germany

University Education

2015 PhD (Pharmacology), University of Potsdam, Potsdam/Center for Cardiovascular Research, Kintscher lab, Charité – Universitätsmedizin Berlin, Berlin
2011 Master of Science (Toxicology), Charité – Universitätsmedizin Berlin, Berlin
2009 Bachelor of Science (Nutrition Science), Justus-Liebig-Universität Gießen, Gießen

Scientific Career

Since 2025 W2-Professor for “Immunophysiology of cardiopulmonary diseases” at Charité University Medicine Berlin
Since 2022 Junior Research Group Leader at the German Heart Center of the Charité (DHZC), Charité – Universitätsmedizin Berlin, Berlin with extensive experience in Physiology, Pharmacology, and Immunology.
2018-2022 Research Assistant, Department of Physiology, Kuebler lab, Charité – Universitätsmedizin Berlin, Berlin
2019-2021 Research Assistant, Center for Systems Biology, Harvard Medical School/Massachusetts General Hospital, Nahrendorf lab, Boston
2015-2017 Research Assistant and Scientific Coordinator, Center for Cardiovascular Research, Kintscher lab, Charité – Universitätsmedizin Berlin, Berlin

Awards and Honors

2024 ‘Animal Research Tomorrow Award’, Grune lab
2023 ‘DuBois Reymond Award’, German Physiological Society (DPG)
2023 ‘Franz-Maximilian-Groedel-Research Award’, German Society of Cardiology (DGK)
2022 ‘Hans-Blömer-Young Investigator Award’, German Society of Cardiology (DGK)
2022 ISHR International meeting, best poster “basic science”, Berlin, Germany
2019 Visualsonics Travel Award “Establishing a new application in 3D small animal echocardiography”
2016 Best Poster “Basic Research”. European Council for Cardiovascular Research (ECCR), Garda, Italy, 2016

Citation Record

Total citations: 2,577; h-index:25; h-index since 2021: 24 (Google Scholar march 13th, 2026)

Top-10 selected Publications

- [1] Grune J, Bajpai G [...] Nahrendorf M. Virus-Induced Acute Respiratory Distress Syndrome Causes Cardiomyopathy Through Eliciting Inflammatory Responses in the Heart. *Circulation* 2024/2;150(1):49-61. [PMID: [38506045](#)]
- [2] Hegemann N, Bintig W [...] **Grune J**. In-ovo echocardiography for application in cardiovascular research. *Basic Res Cardiol* 2023/118:19 [PMID: [37193927](#)]
- [3] Covington TA, Pilz PM [...] **Grune J**. GPx3 deficiency exacerbates maladaptive RV remodeling in experimental pulmonary artery banding. *Am J Physiol Lung Cell Mol Physiol* 2023/10.1152 [PMID: [36880685](#)]
- [4] **Grune J**, Lewis AJM [...] Nahrendorf M. Neutrophils incite and macrophages avert electrical storm after myocardial infarction. *Nat Cardiovasc Res* 2022/1:649–664 [PMID: [36034743](#)]

- [5] Ott C, Pappritz K [...] **Grune J**. Spontaneous degenerative aortic valve disease in New Zealand obese mice. *J Am Heart Assoc* 2021/10:e023131 [PMID: [34779224](#)]
- [6] Ott C, Jung T [...] **Grune J**. Hypertrophy-reduced autophagy causes cardiac dysfunction by directly impacting cardiomyocyte contractility. *Cells* 2021/10:805 [PMID: [33916597](#)]
- [7] **Grune J**, Yamazoe M, Nahrendorf M. Electroimmunology and cardiac arrhythmia. *Nat Rev Cardiol* 2021/18:547–564 [PMID: [33654273](#)]
- [8] Pappritz K, **Grune J** [...] Van Linthout S. Speckle-tracking echocardiography combined with imaging mass spectrometry assesses region-dependent alterations. *Sci Rep* 2020/10:3629 [PMID: [32108156](#)]
- [9] **Grune J**, Beyhoff N [...] Kintscher U. Selective mineralocorticoid receptor cofactor modulation as molecular basis for finerenone's antifibrotic activity. *Hypertension* 2018/71:599-608 [PMID: [29437893](#)]
- [10] **Grune J**, Benz V [...] Kintscher U. Steroidal and Nonsteroidal Mineralocorticoid Receptor Antagonists Cause Differential Cardiac Gene Expression in Pressure Overload-induced Cardiac Hypertrophy. *J Cardiovasc Pharmacol* 2016/67:402-11 [PMID: [26859196](#)]