

Curriculum Vitae

Personal Data

Title	Dr. rer. nat.
First name	Janina
Name	Frisch
Current position	Postdoc
Current institution(s)/site(s), country	Saarland University Medical Faculty, ZHMB Biophysics, Germany
Identifiers/ORCID	0009-0003-9344-1728

Qualifications and Career

Stages	Periods and Details
A-levels	1998 - 2007 Saarpfalz Gymnasium Homburg, Germany
Bachelor of Science	2008 – 2011 <i>Applied Life Sciences</i> ; University of Applied Sciences Kaiserslautern/Zweibruecken, Germany
Master of Science	2011 – 2013 <i>Biomedicine</i> ; Johannes Gutenberg University Mainz, Germany
Doctorate	2013 – 2016 <i>Genetic manipulation of mesenchymal stem cells via recombinant adeno-associated viral (rAAV) vectors for cartilage repair</i> ; Saarland University, Germany
Stages of academic/professional career	2016 – 2018 <i>Postdoc</i> ; Paul-Ehrlich Institute, Molecular Biotechnology and Gene Therapy, Germany since 2018 <i>Postdoc</i> ; Saarland University, ZHMB Biophysics

Supplementary Career Information

2007 – 2008	<i>Freiwilliges Soziales Jahr</i> , Saarland University Hospital
08/2010 – 11/2010	<i>Internship</i> ; The Chinese University of Hong Kong
03/2012	<i>Safety in Biogenetics</i> (Johannes Gutenberg University Mainz)
11/2016	<i>FELASA B certificate</i> (Paul-Ehrlich-Institute / Goethe University)

	Frankfurt)
02/2017	<i>JAX Seminar</i> (CRISPR/Cas9 mouse model generation and humanized NSG mice) (Heidelberg)
03/2017	<i>Introduction into Biostatistics</i> , IMB Mainz
since 2018	Training on Laboratory Animal Experiments according to §3 TierSchVersV (≥ 4 h/y)
12/2020	<i>Statistics with Prism GraphPad</i> , STATCON (online)
03/2021	<i>EMBO Laboratory Leadership Course</i> (online)
07/2021 – 09/2022	Maternity Leave/Childcare

Activities in the Research System

Annual Meeting of the *Deutsche Gesellschaft für Nephrologie* (invited talk, **10/2023**), SFRR-E Annual Meeting 2021 (Poster, **06/2021** – online), Heart Failure Interfaces – Joint Symposium (Poster, **07/2019**), Annual Meetings SFB TRR219 (posters & talks, **yearly since 2018**), UCT Science Day Frankfurt (Poster, **10/2017**); International Cancer Immunotherapy Conference Mainz (Poster, **09/2017**); German Congress for Orthopaedics and Trauma Surgery (DKOU) (2 talks, **10/2016**; 2 talks **10/2015**); Annual Meeting of the *Norddeutsche Orthopäden- und Unfallchirurgenvereinigung* (NOUV) (Talk, **06/2016**); *Les Journées Françaises de Biologie des Tissus Minéralisés* (Vortrag, **06/2016**); ORS Annual Meeting Orlando & Las Vegas (3 Poster, **03/2016**; 3 Poster **03/2015**)

GradUS global Steering Committee (**2015 – 2019**, Saarland University); Peer review of different publications (*Brazilian Journal of Medical and Biological Research*, *Journal of Biomedical Science*, *Tissue and Cell*, *Dutch Arthritis Foundation*)

Supervision of Researchers in Early Career Phases

Since 2018	supervision of bachelor/master/PhD/MD students (Saarland University)
Since 2019	supervision of APIV internship for bachelor students from the study course <i>Human- und Molekularbiologie</i> (Saarland University)
Since 2019	supervision of physics internship for medical students (Saarland University)

Scientific Results

Category A (max. 10)

Junho, C.V.C.; **Frisch, J.** et al., Cardiomyopathy in chronic kidney disease: clinical features, biomarkers and the contribution of murine models in understanding pathophysiology. *Clinical Kidney Journal*, 2023. IF 5.86

Soppert, J.; **Frisch, J.** et al., A systematic review and meta-analysis of murine models of uremic cardiomyopathy. *Kidney Int*, 2022. 101(2): p. 256-273. **Shared first authorship.** IF 18.998

Wollenhaupt, J.; **Frisch, J.** et al., Pro-oxidative priming but maintained cardiac function in a broad spectrum of murine models of chronic kidney disease. *Redox Biol*, 2022. 56: p. 102459. **Shared first authorship.** IF 10.787

Frisch, J., et al., STIM-Orai Channels and Reactive Oxygen Species in the Tumor Microenvironment. *Cancers (Basel)*, 2019. 11(4). IF 6.639

Reul, J.; **Frisch, J.** et al., Tumor-Specific Delivery of Immune Checkpoint Inhibitors by Engineered AAV Vectors. *Front Oncol*, 2019. 9: p. 52. **Shared first authorship.** IF 6.244

Frisch, J., et al., Peripheral blood aspirates overexpressing IGF-I via rAAV gene transfer undergo enhanced chondrogenic differentiation processes. *J Cell Mol Med*, 2017. 21(11): p. 2748-2758. IF 5.295

Frisch, J., et al., Genetic Modification of Human Peripheral Blood Aspirates Using Recombinant Adeno-Associated Viral Vectors for Articular Cartilage Repair with a Focus on Chondrogenic Transforming Growth Factor-beta Gene Delivery. *Stem Cells Transl Med*, 2017. 6(1): p. 249-260. IF 5.45

Frisch, J. and M. Cucchiari, Gene- and Stem Cell-Based Approaches to Regulate Hypertrophic Differentiation in Articular Cartilage Disorders. *Stem Cells Dev*, 2016. IF 4.0

Frisch, J., et al., TGF-beta gene transfer and overexpression via rAAV vectors stimulates chondrogenic events in human bone marrow aspirates. *J Cell Mol Med*, 2016. IF 5.295

Frisch, J., et al., rAAV-mediated overexpression of sox9, TGF-beta and IGF-I in minipig bone marrow aspirates to enhance the chondrogenic processes for cartilage repair. *Gene Ther*, 2016. 23(3): p. 247-55. IF 4.184

Category B

Frontiers in Stem Cell and Regenerative Medicine Research, Volume 7 (DOI: 10.2174/9781681085524117070003; eISBN: 978-1-68108-552-4, 2017; ISBN: 978-1-68108-553-1): Chapter 1: Mesenchymal Stem Cells and Biomaterials for Cartilage Repair in Vivo with a Focus on Gene Therapy; Pp. 1-22 (22) [Ana Rey-Rico, Janina Frisch and Magali Cucchiari]

Academic Distinctions

10/2023	Invitation to give a presentation at the annual meeting of the <i>Deutsche Gesellschaft für Nephrologie</i>
06/2023	Publication Award from the CRC TRR219
12/2017	Calogero-Pagliarello Award for PhD thesis (Saarland University)
06/2017	Printing costs for PhD thesis (<i>Universitätsgesellschaft des Saarlandes</i>)
06/2016	DGOOC Research Scholarship for students
02/2016, 02/2015	Scholarships for congress travels by Saarland University Graduate School and German Academic Exchange Service (DAAD)
11/2013	Robert Schuman Scholarship by Cartilage Net of the Greater Region
10/2010	<i>Preis des Freundeskreises</i> for extraordinary study achievements by University of Applied Sciences Kaiserslautern