

Short CV – PD Dr. Jana Riegger-Koch

1) General Information

Name: Dr. biol. hum. Jana Riegger-Koch (born: Riegger)

Affiliation: Division for Biochemistry of Joint and Connective Tissue Diseases; Ulm University

Address: Oberer Eselsberg 45, D-89081 Ulm

Position: Junior Research Group Leader (Margarete-von-Wrangell Fellow)

Homepage: www.riegger-lab.de

Google scholar: <https://scholar.google.com/citations?hl=de&user=x4SDIOgAAAAJ>

2) Academic Education with Graduation

2019 – 2024 **Habilitation** (venia legend: orthopaedics and trauma surgery)

2014 - 2017 **Doctoral studies**, Division for Biochemistry of Joint and Connective Tissue Diseases, Ulm University, Germany (Prof. Brenner); doctoral viva in **May 2019: *summa cum laude***

2015 - 2020 **M.Sc. in Innovation and Science Management**; SAPS/ Ulm University, final grade: 1.7

2012 - 2014 **M.Sc. in Biology**, focus: Molecular Bioscience; Ulm University, final grade: 1.2

2009 - 2012 **B.Sc. in Biology**, focus: Molecular Bioscience; Ulm University, final grade: 1.5

3) Professional Career

since 2024 **Provisional Head** of the Division for Biochemistry of Joint and Connective Tissue Diseases

since 2024 **Member of the doctorate committee Dr. med./ dent.** Medical Faculty University Ulm

since 2024 **Elected committee in the board of the DGMB** (German Society for Matrix Biology)

since 2022 **Speaker of the DGOU research cluster** “Extracellular vesicles in stem cell research”

since 2020 **Junior Research Group Leader/ Margarete-von-Wrangell Fellow**, Division for Biochemistry of Joint and Connective Tissue Diseases, Ulm University, Germany

2019 - 2020 **Postdoc**, Division for Biochemistry of Joint and Connective Tissue Diseases

2017 - 2019 **Research Associate**, Division for Biochemistry of Joint & Connective Tissue Diseases, Ulm

4) Awards and oversea stays

2023 **ExzellenziaUlm Research Award** – for excellent young female investigators

2021 – 2022 **DAAD Postdoc Fellowship**; research stay for six months at the Kennedy Institute of Rheumatology (Prof. Tonia Vincent), **Oxford University (UK)**

2021 **Grammar Award** of the European Spine Journal (as co-author)

2021 **Finalist for the Dick Heinegard Young Investigator Award**, as representative of the German Society of Matrix Biology at the Matrix Biology Europe meeting

since 2020 **Fellow of the Margarete von Wrangell Habilitation Program**

2019 **Young Investigator Award of the DGMB** (German Society for Matrix Biology)

2018 **Finalist for the Wilhelm-Roux-Award** at the DKOU (Congress of the German Society of Orthopedic and Trauma Surgery)

2017 **Basic Research Award of the DGOU** (German Society for Orthopedics and trauma surgery)

2016 **Travel award of the DGOOC** (German Society of Orthopedics and Orthopedic Surgery)

2016 **Travel award of the DGMB** (German Society of Matrix Biology)

2013 Field assistant at the **Smithsonian Tropical Research Institute - Barro Colorado Island**, Panamá; in the DFG program „Ecology and species barriers in emerging viral diseases“ (3 months)

2012 Clinical observership at the **Laboratory of Molecular Diagnostics Sheikh Khalifa Medical City (SKMC), Abu Dhabi**, United Arab Emirates (4 weeks)

5) Funding acquisition

- 2023/2024 **Hertha-Nathorff Programm** University Ulm and **Gender Equality Funding CRC1149**; Laboratory assistance for young women researchers during pregnancy or breastfeeding
- 2023 **Start-up funding of the CRC1149** (co-PI: Dr. Lee) “Establishment of a new protocol for single nucleus RNA sequencing of the fracture callus”
- 2023 **CRC1149 Project B09** (co-PI: Prof. Ignatius) “Unravelling the pathomechanisms of compromised fracture healing in osteoporosis: Consequences of mitochondrial dysfunction”
- 2022 **DFG funding** “Involvement of Anaphylatoxins in Regulated Cell Death and Tissue Degeneration after Cartilage Trauma”
- 2022 **Start-up funding “Professorinnenprogramm III”** (University of Ulm) “Role of GDF-15 in the context of cartilage trauma”
- 2022 **Start-up funding of the CRC1149** “Characterization and targeting of complement-mediated senescence after cartilage trauma”
- 2020 **Funding by the German Ministry of Defence** (co-PI: Prof. Brenner); “Multimodular therapeutic strategies for initial harm reduction & support of regenerative processes after cartilage trauma”
- 2020 **Start-up funding (“Bausteinprogramm”)** University of Ulm; “Characterization and targeting of senescent cartilage cells – meaning and potential of cell surface vimentin (CSV)”
- 2020 **Start-up funding of the CRC1149** “Role of anaphylatoxins after cartilage trauma”
- 2018 **Start-up funding of the DGOOC** (co-PI: Prof. Brenner) “Pathogenic implication and therapeutic influence of the hexosamine pathway after cartilage trauma”

6) Publications and congress contributions (in brief)

- 2024 **Invited talk at the EORS 2024/ MR-Net Symposium**, Aarlborg, Dänemark: “Consequences of cellular stress on chondrocyte fate and cartilage degeneration”,
Invited talk at the NetwOArk Symposium, Thessaloniki, Greece: “Senescent cells as therapeutic target in osteoarthritis”
- since 2016 **Contributions to international congresses**: 23 talks (10 as last/ 13 as first author);
17 posters (7 as last / 10 as first author)
- since 2015 **27 peer-reviewed articles**, thereof 15 as first/ 3 as last author; 22 original research articles

7) Memberships and activities in scientific societies

German Society for Matrix Biology (**DGMB**), Osteoarthritis Research Society International (**OARSI**), Musculoskeletal Interdisciplinary Translational Young Researchers (**MuSkITYR**), Orthopedic Research Society (**ORS**), European calcified tissue Society (**ECTS**), Deutsche Gesellschaft für Orthopädie und Unfallchirurgie (**DGOU**), European Network on Osteoarthritis Research (**NetwOArk**)

since 2022 **Reviewer of scientific meeting abstracts** (ORS, DGOU/ DKOU)

2021/ 2023 **Jury member for the Young Investigator Award** of the DGMB

8) Further activities as reviewer and editor

- 2024 **Invited Guest Editor *Arthritis Research and Therapy***; Collection “From joint injury to joint replacement – Untangling the pathomechanisms of posttraumatic osteoarthritis”
- 2022 **Topic Coordinator *Frontiers in Bioengineering and Biotechnology***; Special Issue “Intervertebral disc degeneration and osteoarthritis: mechanisms of disease and functional repair”
- since 2020 **Reviewer for grant applications** (e.g., MRC/ UKRI, HRB Ireland, DFG)
- since 2016 ad-hoc reviewer for peer-reviewed journals (e.g., *Nat Comm*, *Cell Death Disease/ Differentiation*; *Stem Cells*; *eBioMedicine*; *Osteoarthritis Cartilage*; *Arthritis Research Therapy*)