

Short CV Dr. Jana Riegger-Koch

1) General Information

Name: Dr. biol. hum. Jana Riegger-Koch (born: Riegger)
Date of birth: August 26th 1987
Affiliation: Division for Biochemistry of Joint and Connective Tissue Diseases
University Hospital of Ulm, c/o RKU
Position: Junior Research Group Leader (Margarete-von-Wrangell Fellow)
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2) Academic Education with Graduation

2014 - 2017 **Doctoral studies**, Division for Biochemistry of Joint and Connective Tissue Diseases, Ulm University, Germany (Prof. Brenner);
Doctoral viva in May 2019 (Dr. biol. hum.); final grade: *summa cum laude*
2015 - 2020 **M.Sc. in Innovation and Science Management**; School of advanced professional studies (SAPS), Ulm University, Germany
Final grade: 1.7
2012 - 2014 **M.Sc. in Biology**, focus: Molecular Bioscience; Ulm University, Germany
Final grade: 1.2
2009 - 2012 **B.Sc. in Biology**, focus: Molecular Bioscience; Ulm University, Germany
Final grade: 1.5

3) Professional Career

since 2020 **Junior Research Group Leader/** Margarete-von-Wrangell Fellow, Division for Biochemistry of Joint and Connective Tissue Diseases, Ulm University, Germany
since 2019 **Postdoc**, Division for Biochemistry of Joint and Connective Tissue Diseases, Ulm University, Germany
2017 - 2019 **Research Associate**, Division for Biochemistry of Joint and Connective Tissue Diseases, Ulm University, Germany

4) Awards and overseas stays

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 for the publication "Terminal complement complex formation is associated with intervertebral disc degeneration" (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), for the research on „The functional role of chondrogenic stem/ progenitor cells: Novel evidence for immunomodulatory properties and regenerative potentials after cartilage injury“.
2018 **Finalist for the Wilhelm-Roux-Award** at the Congress of the German Society of Orthopedic and Trauma Surgery (DKOU), for the oral presentation „Influence of cartilage trauma and therapeutic substances on immunomodulatory properties of chondrogenic stem/ progenitor cells (CSPC)“
2017 **Basic Research Award of the DGOU** (German Society for Orthopedics and trauma surgery) for the publication „Antioxidative therapy in an ex vivo human

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- cartilage trauma-model: attenuation of trauma-induced cell loss and ECM-destructive enzymes by N-acetyl cysteine“ (as first author)
- 2016 **Travel award of the DGOOC** (German Society of Orthopedics and Orthopedic Surgery), DKOU Berlin
- 2016 **Travel award of the DGMB** (German Society of Matrix Biology), Freiburg
- 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)
- 2013 Clinical observership at the **Laboratory of Molecular Diagnostics Sheikh Khalifa Medical City (SKMC)**, Abu Dhabi, United Arab Emirates (4 weeks)

5) Funding acquisition

- 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 **Startup Funding of the SFB 1149** Ulm; “Characterization and targeting of complement-mediated senescence after cartilage trauma”
- 2020 **Funding by the German Ministry of Defence**, as co-PI; “Multimodular therapeutic strategies for initial harm reduction and 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 SFB 1149** Ulm; “Role of anaphylatoxins after cartilage trauma”
- 2018 **Funding of the DGOOC** (German Society of Orthopedics and Orthopedic Surgery), as co-PI; “Pathogenic implication and therapeutic influence of the hexosamine pathway after cartilage trauma”

6) Certificates/ advanced training

- 2020 **“Safety aspects in genetic engineering for project leaders and inspectors for biological safety”** (certificate of competence related to §15 and §17 GenTSV)
- 2020 **Certificate in University Didactics** (Baden-Württemberg)
- 2019 **„Method Development, Good Manufacturing Practice (GMP I + II) & Quality Assurance“**; University of Applied Sciences Biberach
- 2016 Certificate for collaboration in animal experiments: **FELASA, GV-SOLAS category B**

7) Membership 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**)

8) Ad-hoc reviewer in peer-reviewed journals

Cell Death and Disease; Cell Death and Differentiation; Stem Cells; eBioMedicine; Cells; Osteoarthritis and Cartilage (Open); Scientific Reports; Arthritis Research and Therapy; International Journal of Molecular Sciences (...)