

# SINN, RALPH, M.SC.

## GENERAL INFORMATION



### PhD Candidate

University Hospital Heidelberg, Department of Neuroradiology  
Im Neuenheimer Feld 350/400  
69120 Heidelberg, Germany

German Cancer Research Center (DKFZ)  
Im Neuenheimer Feld 280  
69120 Heidelberg, Germany

C03

## ACADEMIC EDUCATION & QUALIFICATION

Year(s)	Education
2020-2023	Molecular Medicine, Master of Science, Eberhard Karls University, Tübingen, Germany (Professional development and specialization in Immunology and Oncology)
2018	Biological and Medical Sciences, Victoria University of Wellington, New Zealand
2016-2020	Molecular Medicine, Bachelor of Science, Eberhard Karls University, Tübingen, Germany

## SCIENTIFIC EDUCATION & QUALIFICATION

Year(s)	Education
Since 2024	Ph.D. candidate (Dr. sc. hum.), Dept. of Neuroradiology, University Hospital Heidelberg/ German Cancer Research Center (DKFZ) Supervisor : PD Dr. med. Michael Breckwoldt Ph.D.
2022-2023	Master thesis: "Adenosine A2A Receptor Knockout in primary NK-cells to enhance anti-tumor function", Dept. of Pediatric Oncology, University Hospital Tübingen Supervisor PD Dr. med. Dr. rer. nat. Markus Mezger
2020	Bachelor thesis: "Morphological analysis of the adipose tissue of an adipocyte-specific Gnai3-deficient mouse line", Dept. of Pharmacology, Experimental Therapy and Toxicology, Eberhard Karls University, Tübingen Supervisors: Prof. Dr. Sandra Beer-Hammer and Dr. rer. nat. Veronika Leiss

## PROFESSIONAL EXPERIENCE

Year(s)	Experience
2023	Research Scientist in Molecular Medicine and Pathology, Center for Human Genetics Tübingen
2020-2022	Student Research Assistant, Division for Immunomonitoring and neopeptide-based cancer vaccines, CeGaT - Center for Human Genetics Tübingen
2019	Internship in research at the department of Medical Biochemistry, Amsterdam University Medical Center (Location AMC). Research group of Prof. Dr. Esther Lutgens. Project: Myocardial infarction-induced endothelial activation in atherosclerosis.
2017-2018	Student Research Assistant, research group of Prof. Dr. Nüsslein-Volhard: Colour pattern formation, Max-Planck-Gesellschaft, Max-Planck-Institute, Tübingen
2015-2016	Medical Laboratory Technician, Institute for Pathology, Esslingen am Neckar

## OTHER QUALIFICATIONS/ROLES/RESPONSIBILITIES

Year(s)	Qualifications/Roles/Responsibilities
2018	Scholarship of the Baden-Württemberg Stiftung (Baden-Württemberg-Stipendium)
2012-2015	Vocational Training, Medical Laboratory Technology, Katharinenhospital, Stuttgart, Germany

## SELECTED PUBLICATIONS

1. Mohammadian Gol T, Kim M, [Sinn R](#), Ureña-Bailén G, Stegmeyer S, Gratz PG, Zahedipour F, Roig-Merino A, Antony JS, Mezger M. CRISPR-Cas9-Based Gene Knockout of Immune Checkpoints in Expanded NK Cells. *Int J Mol Sci*. 2023 Nov 8;24(22):16065. doi: 10.3390/ijms242216065. PMID: 38003255; PMCID: PMC10671270.
2. Mohammadian Gol T, Ureña-Bailén G, Hou Y, [Sinn R](#), Antony JS, Handgretinger R, Mezger M. CRISPR medicine for blood disorders: Progress and challenges in delivery. *Front Genome Ed*. 2023 Jan 6;4:1037290. doi: 10.3389/fgeed.2022.1037290. PMID: 36687779; PMCID: PMC9853164.