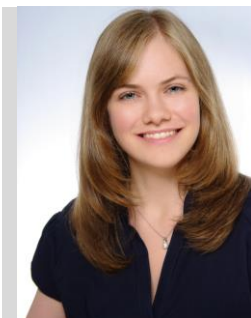


BENZEL, JULIA, M. SC.

GENERAL INFORMATION



PhD

Hopp Children's Cancer Center Heidelberg (KITZ)
German Cancer Research Center (DKFZ)
Division of Pediatric Neurooncology, Prof. Pfister
Early Cancer Diagnostics and Reverse Translation, Dr. Pajtler
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ACADEMIC EDUCATION & QUALIFICATION

Year(s)	Education
2017	Master Thesis: "Characterisation of ADAM8 –Domains, Signalling, Interaction Partners–", Prof. J.W. Bartsch
2015-2017	Master of Science in Biomedical Science focused on Cancer Research, Philipps-University Marburg, Germany
2015	Bachelor Thesis: "Characterisation of Bcl11a as a Potent Oncogene in Pancreatic Ductal Adenocarcinoma", Prof. Fendrich
2012-2015	Bachelor of Science in Biomedical Sciences, Philipps-University Marburg, Germany

SCIENTIFIC EDUCATION & QUALIFICATION

Year(s)	Education
Since 2017	Dissertation: "Analysis of Systemic and CNS Drug Disposition in Pediatric Brain Tumor Model Systems" (TAC: Prof. Pfister, Prof. Haefeli, Prof. Angel, Dr. Pajtler)

PROFESSIONAL EXPERIENCE

Year(s)	Experience
2018	Internship St. Jude Children's Research Hospital, Pharmaceutical Sciences, Prof. Stewart, Application for Establishment of Cerebral Microdialysis
Since 2017	PhD Student: "Analysis of Systemic and CNS Drug Disposition in Pediatric Brain Tumor Model Systems" (TAC: Prof. Pfister, Prof. Haefeli, Prof. Angel, Dr. Pajtler)
2016	Internship Hadassah-Hospital, Jerusalem, Prof. Dor and Istishari Arab Hospital, Ramallah, Prof. Khatib
2015-2017	Student assistant in the research group Fendrich (University Hospital of Giessen and Marburg), 80 hours per month, Topic: Pancreatic Cancer

OTHER QUALIFICATIONS/ROLES/RESPONSIBILITIES

Since 2019	Student-Member AACR (American Association for Cancer Research)
Since 2018	Member of GSEV (German Society for Extracellular Vesicles)
Since 2017	Fellow, DKFZ International PhD Program in Heidelberg, Helmholtz International Graduate School for Cancer Research
2015-2017	Spokesperson of the Cusanuswerk group Marburg
Since 2014	Member junior GBM (German Society for Biochemistry and Molecular Biology)
Since 2012	Fellow, Cusanuswerk e.V. (academic scholarship foundation)

SELECTED PUBLICATIONS

1. Fresnais M, Muck A, Majewsky M, Statz B, Krausert S, [Benzel J](#), Castel D, Le Dret L, Pfister S, Haefeli WE, Burhenne J, Longuespée R. Rapid and Sensitive Drug Quantification in Tissue Sections Using Matrix Assisted Laser Desorption Ionization-Ion Mobility-Mass Spectrometry Profiling. **J Am Soc Mass Spectrom.** 2020
2. Ghasemi DR, Sill M, Okonechnikov K, Korshunov A, Yip S, Schutz PW, Scheie D, Kruse A, Harter PN, Kastelan M, Wagner M, Hartmann C, [Benzel J](#), Maass KK, Khasraw M, Sträter R, Thomas C, Paulus W, Kratz CP, Witt H, Kawauchi D, Herold-Mende C, Sahm F, Brandner S, Kool M, Jones DTW, von Deimling A, Pfister SM, Reuss DE, Pajtler KW. MYCN amplification drives an aggressive form of spinal ependymoma. **Acta Neuropathol.** 2019;138(6):1075-1089
3. Scharfenberg F, Helbig A, Sammel M, [Benzel J](#), Schlomann U, Peters F, Wichert R, Bettendorff M, Schmidt-Arras D, Rose-John S, Moali C, Lichtenthaler SF, Pietrzik CU, Bartsch JW, Tholey A, Becker-Pauly C. Degradome of soluble ADAM10 and ADAM17 metalloproteinases. **Cell Mol Life Sci.** 2020;77(2):331-350
4. Conrad C, [Benzel J](#), Dorzweiler K, Cook L, Schlomann U, Zarbock A, Slater EP, Nimsky C, Bartsch JW. ADAM8 in invasive cancers: links to tumor progression, metastasis, and chemoresistance. **Clin Sci (Lond).** 2019 11;133(1):83-99
5. [Benzel J](#), Fendrich V. Familial Pancreatic Cancer. **Oncol Res Treat.** 2018;41(10):611-618
6. [Benzel J](#), Fendrich V. Chemoprevention and Treatment of Pancreatic Cancer: Update and Review of the Literature. **Digestion.** 2018;97(4):275-287
7. Wang J, Voellger B, [Benzel J](#), Schlomann U, Nimsky C, Bartsch JW, Carl B. Metalloproteinases ADAM12 and MMP-14 are associated with cavernous sinus invasion in pituitary adenomas. **Int J Cancer.** 2016 15;139(6):1327-39
8. [Benzel J](#), Fendrich V. Molecular Characterization and Pathogenesis of Intraductal Papillary Mucinous Neoplasms of the Pancreas. **Eur Surg Res.** 2015;55(4):352-363

