

Curriculum vitae

Marius Külp



University education

Oct 2022	Dr. rer. nat. (PhD) in Pharmacy, grade: <i>summa cum laude</i> , Department of Biochemistry, Chemistry and Pharmacy, Goethe University Frankfurt/Main, Germany
May 2020 – Dec 2022	PhD studies, Marschalek Lab, Institute of Pharmaceutical Biology, Diagnostic Center of Acute Leukemia (DCAL), Goethe University Frankfurt Project title: <i>EGR-mediated relapse mechanisms in infant t(4;11) acute lymphoblastic leukemia</i>
Jun 2020	Governmental approval to practice Pharmacy (Approbation als Apotheker)
Apr 2019	State examination in Pharmacy, grade: 1.2
2014 – 2019	Studies of Pharmacy, Goethe University Frankfurt

Professional career

Since Aug 2023	Fellow of the Academy of the Cluster of Excellence Cardio-Pulmonary Institute
Since Jul 2023	Fellow of the School of Oncology of the German Cancer Consortium (DKTK)
Since Jan 2023	Postdoctoral researcher, Rieger Lab, Hematology/Oncology Department, Goethe University Hospital Frankfurt
Feb 2018 – Apr 2018	Research intern at the CAR-T-Cell-Engineering Research Group, Dr. Melita Irving, Prof. Dr. George Coukos, Ludwig Institute for Cancer Research, Lausanne, Switzerland
Jul 2017 – Feb 2018	Student assistant at the Clinical Trial Center Network, Dr. Sina Hehn, Dr. Nicola Gökbuget, University Center of Tumor Diseases (UCT), University Hospital Frankfurt

Awards and prizes

Jan 2024	Postdoc Grant of the Cluster of Excellence Cardio-Pulmonary Institute, two year funding of € 140000,- to finance the own position
Jun 2023	Travel Award of the German Stem Cell Network (GSCN), funding of € 1000,- to support participation in the annual meeting of the International Society of Experimental Hematology (ISEH) in New York, NY, USA
Feb 2018 – Apr 2018	PROMOS scholarship of the German Academic Exchange Service (DAAD) for the research internship in Lausanne, Switzerland
Oct 2014 – Oct 2015	“Deutschland Stipendium” of the Goethe University Frankfurt/Main

Publications

1. Lopes, B. A., Meyer, C.; Bouzada, H.; Külp, M.; Maciel, A. L. M.; Larghero, P.; Barbosa, T. C.; Poubel, C. P.; Barbieri, C.; Venn, N.C.; Dalla Pozza, L.; Barbaric, D.; Palmi, C.; Fazio, G.; Saitta, C.; Aguiar, T. F.; Lins, M. M.; Ikoma-Colturato, M. R. V.; Schramm, M.; Chapchap, E.; Cazzaniga, G.; Sutton, R.; Marschalek, R.; Emerenciano, M. The recombinome of *IKZF1* deletions in B-cell precursor ALL. *Leukemia* **2023**, Aug;37(8):1727-1731. doi: 10.1038/s41375-023-01935-8. Epub 2023 Jun 29. PMID: 37386080.
2. Külp, M.; Larghero, P.; Alten, J.; Cario, G.; Eckert, C.; Caye-Eude, A.; Cavé, H.; Schmachtel, T.; Bardini, M.; Cazzaniga, G.; De Lorenzo, P.; Valsecchi, M. G.; Bonig, H.; Meyer, C.; Rieger, M. A.; Marschalek, R. The EGR3 Regulome of Infant KMT2A-r Acute Lymphoblastic Leukemia Identifies Differential Expression of B-Lineage Genes Predictive for Outcome. *Leukemia* **2023**, Jun;37(6):1216-1233. doi: 10.1038/s41375-023-01895-z. Epub 2023 Apr 26. PMID: 37100882; PMCID: PMC10132433.

3. Külp, M.; Siemund, A. L.; Larghero, P.; Dietz, A.; Alten, J.; Cario, G.; Eckert, C.; Caye-Eude, A.; Cavé, H.; Bardini, M.; Cazzaniga, G.; De Lorenzo, P.; Valsecchi, M. G.; Diehl, L.; Bonig, H.; Meyer, C.; Marschalek, R. The Immune Checkpoint ICOSLG Is a Relapse-Predicting Biomarker and Therapeutic Target in Infant t(4;11) Acute Lymphoblastic Leukemia. ***iScience*** **2022**, Jun 16;25(7):104613. doi: 10.1016/j.isci.2022.104613. PMID: 35800767; PMCID: PMC9253708.
4. Külp, M.; Diehl, L.; Bonig, H.; Marschalek, R. Co-Culture of Primary Human T Cells with Leukemia Cells to Measure Regulatory T Cell Expansion. ***STAR Protoc*** **2022**, Sep 16;3(3):101661. doi: 10.1016/j.xpro.2022.101661. Epub 2022 Sep 8. PMID: 36097388; PMCID: PMC9471457.
5. Kowarz, E.; Krutzke, L.; Külp, M.; Streb, P.; Larghero, P.; Reis, J.; Bracharz, S.; Engler, T.; Kochanek, S.; Marschalek, R. Vaccine-Induced COVID-19 Mimicry Syndrome. ***Elife*** **2022**, Jan 27;11:e74974. doi: 10.7554/eLife.74974. PMID: 35084333; PMCID: PMC8846585.
6. Widera, M.; Wilhelm, A.; Toptan, T.; Raffel, J. M.; Kowarz, E.; Roesmann, F.; Grözinger, F.; Siemund, A. L.; Luciano, V.; Külp, M.; Reis, J.; Bracharz, S.; Pallas, C.; Ciesek, S.; Marschalek, R. Generation of a Sleeping Beauty Transposon-Based Cellular System for Rapid and Sensitive Screening for Compounds and Cellular Factors Limiting SARS-CoV-2 Replication. ***Front Microbiol*** **2021**, Jul 29;12:701198. doi: 10.3389/fmicb.2021.701198. PMID: 34394046; PMCID: PMC8362758.