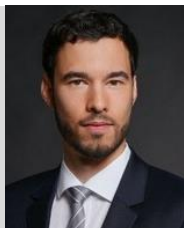


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GENERAL INFORMATION



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ACADEMIC EDUCATION & QUALIFICATION

Year(s)	Education
2018-2023	Ph.D. (Dr. rer. nat.) in Biology, Heidelberg University (Germany)
2015-2017	M.Sc. in Biochemistry, Technical University of Munich (Germany)
2011-2015	B.Sc. in Molecular Biotechnology, Technical University of Munich (Germany)

SCIENTIFIC EDUCATION & QUALIFICATION

Year(s)	Education
Since 2024	Postdoc, Heidelberg University Hospital & German Cancer Research Center (DKFZ) "Characterization of Resistance-Associated Morphologies, Biomarker Identification, and Development of Novel Therapies in CNS Tumors"
2018-2023	Ph.D. (Dr. rer. nat.), Heidelberg University (Germany) "A transcriptomic fingerprint of tumor microtubule-connected cells identifies CHI3L1 as a tumor network driver in glioblastoma"
2017	Student Trainee, Roche Diagnostics, Penzberg (Germany) "Validation of different targets for cancer immunotherapy"
2015-2016	Master thesis, King Abdullaziz University of Science and Technology, Thuwal (Saudi-Arabia) "Design of artificial metalloenzymes for enantioselective catalysis based on the streptavidin-biotin technology"
2015	Internship, Yale University, New Haven (USA) "Slx5/8 mediated degradation of the transcription factor MAT α 2"
2014-2015	Internship, Klinikum rechts der Isar of the Technical University of Munich (Germany) "MMP9 as a mediator of a specific nanoparticle therapy and influence of a MMP9 knockout on metabolic pathways"

PROFESSIONAL EXPERIENCE

Year(s)	Education
Since 2024	Postdoc, Heidelberg University Hospital & German Cancer Research Center (DKFZ) "Characterization of Resistance-Associated Morphologies, Biomarker Identification, and Development of Novel Therapies in CNS Tumors"

SELECTED PUBLICATIONS

- Hai, Ling*; Hoffmann, Dirk C.*; Wagener, Robin J.; Azorin, Daniel D.; Hausmann, David; Xie, Ruifan; Huppertz, Magnus-Carsten; Hiblot, Julien; Sievers, Philipp; Heuer, Sophie; Ito, Jakob; Cebulla, Gina; Kourtesakis, Alexandros; Kaulen, Leon D.; Ratliff, Miriam; Mandelbaum, Henriette; Jung, Erik; Jabali, Ammar; Horschitz, Sandra; Ernst, Kati J.; Reibold, Denise; Warnken, Uwe; Venkataramani, Varun; Will, Rainer; Suvà, Mario L.; Herold-Mende, Christel; Sahm, Felix; Winkler, Frank; Schlesner, Matthias; Wick, Wolfgang; Kessler, Tobias (2024): A clinically applicable connectivity signature for glioblastoma includes the tumor network driver CHI3L1. In *Nature communications* 15 (1), p. 968. DOI: 10.1038/s41467-024-45067-8.

*Equal contribution

2. Huppertz, Magnus-Carsten; Wilhelm, Jonas; Grenier, Vincent; Schneider, Martin W.; Falt, Tjalda; Porzberg, Nicola; Hausmann, David; [Hoffmann, Dirk C.](#); Hai, Ling; Tarnawski, Mirosław; Pino, Gabriela; Slanchev, Krasimir; Kolb, Ilya; Acuna, Claudio; Fenk, Lisa M.; Baier, Herwig; Híblot, Julien; Johnsson, Kai (2024): Recording physiological history of cells with chemical labeling. In *Science* 383 (6685), pp. 890–897. DOI: 10.1126/science.adg0812
3. Iser, Florian; Hinz, Felix; [Hoffmann, Dirk C.](#); Grassl, Niklas; Güngör, Cansu; Meyer, Jochen; Dörner, Laura; Hofmann, Lea; Kelbch, Vanessa; Göbel, Kirsten; Mahmutoglu, Mustafa Ahmed; Vollmuth, Phillipp; Patel, Areeba; Nguyen, Duy; Kaulen, Leon D.; Mildenerberger, Iris; Sahm, Katharina; Maaß, Kendra; Pajtlar, Kristian W.; Shankar, Ganesh M.; Weiler, Markus; Wildemann, Brigitte; Winkler, Frank; Deimling, Andreas von; Platten, Michael; Wick, Wolfgang; Sahm, Felix; Kessler, Tobias (2024): Cerebrospinal fluid cfDNA sequencing for classification of central nervous system glioma. In *Clinical cancer research*. DOI: 10.1158/1078-0432.CCR-23-2907
4. Hausmann, David; [Hoffmann, Dirk C.](#)*; Venkataramani, Varun*; Jung, Erik*; Horschitz, Sandra; Tetzlaff, Svenja K.; Jabali, Ammar; Hai, Ling; Kessler, Tobias; Azorín, Daniel D.; Weil, Sophie; Kourtesakis, Alexandros; Sievers, Philipp; Habel, Antje; Breckwoltd, Michael O.; Karreman, Matthia A.; Ratliff, Miriam; Messmer, Julia M.; Yang, Yvonne; Reyhan, Ekin; Wendler, Susann; Löb, Cathrin; Mayer, Chanté; Figarella, Katherine; Osswald, Matthias; Solecki, Gergely; Sahm, Felix; Garaschuk, Olga; Kuner, Thomas; Koch, Philipp; Schlesner, Matthias; Wick, Wolfgang; Winkler, Frank (2023): Autonomous rhythmic activity in glioma networks drives brain tumour growth. In *Nature* 613 (7942), pp. 179–186. DOI: 10.1038/s41586-022-05520-4.
*Equal contribution
5. Ratliff, Miriam; Karimian-Jazi, Kianush*; [Hoffmann, Dirk C.](#)*; Rauschenbach, Laurèl; Simon, Matthias; Hai, Ling; Mandelbaum, Henriette; Schubert, Marc C.; Kessler, Tobias; Uhlig, Stefanie; Dominguez Azorin, Daniel; Jung, Erik; Osswald, Matthias; Solecki, Gergely; Maros, Máté E.; Venkataramani, Varun; Glas, Martin; Etminan, Nima; Scheffler, Björn; Wick, Wolfgang; Winkler, Frank (2023): Individual glioblastoma cells harbor both proliferative and invasive capabilities during tumor progression. In *Neuro-oncology* 25 (12), pp. 2150–2162. DOI: 10.1093/neuonc/noad109.
*Equal contribution
6. Venkataramani, Varun; Yang, Yvonne; Schubert, Marc Cicero; Reyhan, Ekin; Tetzlaff, Svenja Kristin; Wißmann, Niklas; Botz, Michael; Soyka, Stella Judith; Beretta, Carlo Antonio; Pramatarov, Rangel Lyubomirov; Fankhauser, Laura; Garofano, Luciano; Freudenberg, Alexander; Wagner, Julia; Tanev, Dimitar Ivanov; Ratliff, Miriam; Xie, Ruifan; Kessler, Tobias; [Hoffmann, Dirk C.](#); Hai, Ling; Dörflinger, Yvette; Hoppe, Simone; Yabo, Yahaya A.; Golebiewska, Anna; Niclou, Simone P.; Sahm, Felix; Lasorella, Anna; Slowik, Martin; Döring, Leif; Iavarone, Antonio; Wick, Wolfgang; Kuner, Thomas; Winkler, Frank (2022): Glioblastoma hijacks neuronal mechanisms for brain invasion. In *Cell* 185 (16). DOI: 10.1016/j.cell.2022.06.054
7. Jung, Erik; Osswald, Matthias; Ratliff, Miriam; Dogan, Helin; Xie, Ruifan; Weil, Sophie; [Hoffmann, Dirk C.](#); Kurz, Felix T.; Kessler, Tobias; Heiland, Sabine; Deimling, Andreas von; Sahm, Felix; Wick, Wolfgang; Winkler, Frank (2021): Tumor cell plasticity, heterogeneity, and resistance in crucial microenvironmental niches in glioma. In *Nature communications* 12. DOI: 10.1038/s41467-021-21117-3.
8. Xie, Ruifan; Kessler, Tobias; Grosch, Julia; Hai, Ling; Venkataramani, Varun; Huang, Lulu; [Hoffmann, Dirk C.](#); Solecki, Gergely; Ratliff, Miriam; Schlesner, Matthias; Wick, Wolfgang; Winkler, Frank (2021): Tumor cell network integration in glioma represents a stemness feature. In *Neuro-oncology* 23 (5), pp. 757–769. DOI: 10.1093/neuonc/noaa275.
9. Kessler, Tobias; Berberich, Anne; Sadik, Ahmed; Sahm, Felix; Gorlia, Thierry; Meisner, Christoph; [Hoffmann, Dirk C.](#); Wick, Antje; Kickingeder, Philipp; Rübmann, Petra; Bendszus, Martin; Opitz, Christiane; Weller, Michael; van den Bent, Martin; Stupp, Roger; Winkler, Frank; Brandes, Alba; Deimling, Andreas von; Platten, Michael; Wick, Wolfgang (2020): Methylome analyses of three glioblastoma cohorts reveal chemotherapy sensitivity markers within DDR genes. In *Cancer medicine* 9 (22), pp. 8373–8385. DOI: 10.1002/cam4.3447