

## Research focus

Neuropathology, genetics and biology of adult and paediatric brain tumors. Development of mutation specific antibodies. National registry reference pathology for low-grade gliomas (LOGGIC). Development of DNA methylation based brain tumor classification.

## Education/ Training

Institution	Year(s)	Degree
Medical School Tübingen, Germany	2006	Medical degree
DFG Graduate College 686-1; University Tübingen, Germany	2003 - 2004	Scholarship MD thesis
Doctoral thesis (Neuropathology Tübingen)	2004 - 2008	Summa cum laude

## Positions and Employment

Institution and Location	Year(s)	Position
Institute of Brain Research, Tübingen, Germany	2007 - 2007	Residency neuropathology
Department of Neuropathology, University Zurich, Switzerland	2007 - 2008	Residency neuropathology
Department of Neuropathology, University Heidelberg, Heidelberg	2008 - 2013	Residency neuropathology
Department of Neuropathology, University Heidelberg, Heidelberg	2013 - 2017	Consultant Neuropathology University Hospital Heidelberg
Clinical Cooperation Unit Neuropathology, German Cancer Research Center (DKFZ)	2010 - 2017	Non-compensation employee
Neuropathology Charité Berlin	Since 2017	Professor for Molecular Neuropathology
German Cancer Consortium Berlin (DKTK), German Cancer Research Center (DKFZ)	Since 2017	Faculty member, Group leader "Molecular Neuropathology"

## Honors

2018	Research prize of the Gerhard-Domagk-Stiftung und der Westfälischen Wilhelms-Universität Münster
2018	Innovation prize of the Deutsche Hochschulmedizin e.V.
2018	Curt Meyer Memorial award of the Berliner Krebsgesellschaft
2018	Berlin Institute of Health (BIH) Quest open data award
2015	Cavanagh Prize of the British Neuropathological Society (Young Investigator Award)
2012	Württembergischer Krebspreis der Dres. Bayerstiftung (Young Investigator Award)

## Other Experience and Professional Memberships

- Faculty member Deutsches Konsortium für Translationale Krebsforschung, Standort Berlin (DKTK)
- Member of the "Everest Centre for Research into Paediatric Low Grade Brain Tumours"
- Faculty Member Berlin School of Integrative Oncology (BSIO)
- Member of cIMPACT: the consortium to inform molecular and practical approaches to CNS tumor taxonomy
- Member of the "Consensus and Editorial Meeting Working Group" for the Update of the 4th edition of the WHO Classification of Tumours of the Central Nervous System
- Editorial board member "Neuropathology and Applied Neurobiology"
- Member of the German Society for Neuropathology and Neuroanatomy (DGNN)

## Citations, h-Index (02.2019)

Name:	age	Original Articles	First / last authorship	Co-author	Total sum of citations (web of science 16.02.19)	Hirsch Index
David Capper	39	190	19 first 11 last	160	8417	48

## Top 5 publications

1. **Capper D\***, Jones DTW\*, Sill M\*, Hovestadt V\*, Schrimpf D, Sturm D, Koelsche C, Sahm F, Chavez L, Reuss DE, Kratz A, Wefers AK, Huang K, Pajtler KW, Schweizer L, Stichel D, Olar A, Engel NW, Lindenberg K, Harter PN, Braczynski AK, Plate KH, Dohmen H, Garvalov BK, Coras R, Hölsken A, Hewer E, Bewerunge-Hudler M, Schick M, Fischer R, Beschoner R, Schittenhelm J, Staszewski O, Wani K, Varlet P, Pages M, Temming P, Lohmann D, Selt F, Witt H, Milde T, Witt O, Aronica E, Giangaspero F, Rushing E, Scheurlen W, Geisenberger C, Rodriguez FJ, Becker A, Preusser M, Haberler C, Bjerkvig R, Cryan J, Farrell M, Deckert M, Hench J, Frank S, Serrano J, Kannan K, Tsigos A, Brück W, Hofer S, Brehmer S, Seiz-Rosenhagen M, Hänggi D, Hans V, Rozsnoki S, Hansford JR, Kohlhof P, Kristensen BW, Lechner M, Lopes B, Mawrin C, Ketter R, Kulozik A, Khatib Z, Heppner F, Koch A, Jouvet A, Keohane C, Mühleisen H, Mueller W, Pohl U, Prinz M, Benner A, Zapatka M, Gottardo NG, Driever PH, Kramm CM, Müller HL, Rutkowski S, von Hoff K, Frühwald MC, Gnekow A, Fleischhack G, Tippelt S, Calaminus G, Monoranu CM, Perry A, Jones C, Jacques TS, Radlwimmer B, Gessi M, Pietsch T, Schramm J, Schackert G, Westphal M, Reifenberger G, Wesseling P, Weller M, Collins VP, Blümcke I, Bendszus M, Debus J, Huang A, Jabado N, Northcott PA, Paulus W, Gajjar A, Robinson GW, Taylor MD, Jaunmuktane Z, Ryzhova M, Platten M, Unterberg A, Wick W, Karajannis MA, Mittelbronn M, Acker T, Hartmann C, Aldape K, Schüller U, Buslei R, Lichter P, Kool M, Herold-Mende C, Ellison DW, Hasselblatt M, Snuderl M, Brandner S, Korshunov A, von Deimling A, Pfister SM. DNA methylation-based classification of central nervous system tumours. *Nature*. 2018 Mar 22;555(7697):469-474. doi: 10.1038/nature26000. Epub 2018 Mar 14.  
**Impact Factor 41.577 \*Capper, Jones, Sill, Hovestadt contributed equally**
2. **Capper, D.**, Stichel, D., Sahm, F., Jones, D. T. W., Schrimpf, D., Sill, M., Schmid, S., Hovestadt, V., Reuss, D. E., Koelsche, C., Reinhardt, A., Wefers, A. K., Huang, K., Sievers, P., Ebrahimi, A., Schoeler, A., Teichmann, D., Koch, A., Haenggi, D., Unterberg, A., Platten, M., Wick, W., Witt, O., Milde, T., Korshunov, A., Pfister, S. M. and von Deimling, A. 'Practical implementation of DNA methylation and copy-number-based CNS tumor diagnostics: the Heidelberg experience'. *Acta Neuropathologica*, 2018; 136(2), pp. 181-210.  
**Impact Factor: 15.872**
3. Jurmeister P, Scholer A, Arnold A, Klauschen F, Lenze D, Hummel M, Schweizer L, Blaker H, Pfitzner BM, Mamlouk S, Sers C, Denkert C, Stichel D, Frost N, Horst D, von Laffert M and **Capper D**. DNA methylation profiling reliably distinguishes pulmonary enteric adenocarcinoma from metastatic colorectal cancer., *Mod Pathol*. 2019; doi: 10.1038/s41379-019-0207-y.  
**Impact Factor: 6.655**

4. Reinhardt A, Stichel D, Schrimpf D, Sahm F, Korshunov A, Reuss DE, Koelsche C, Huang K, Wefers AK, Hovestadt V, Sill M, Gramatzki D, Felsberg J, Reifenberger G, Koch A, Thomale UW, Becker A, Hans VH, Prinz M, Staszewski O, Acker T, Dohmen H, Hartmann C, Mueller W, Tuffaha MSA, Paulus W, Heß K, Brokinkel B, Schittenhelm J, Monoranu CM, Kessler AF, Loehr M, Buslei R, Deckert M, Mawrin C, Kohlhof P, Hewer E, Olar A, Rodriguez FJ, Giannini C, NageswaraRao AA, Tabori U, Nunes NM, Weller M, Pohl U, Jaunmuktane Z, Brandner S, Unterberg A, Hänggi D, Platten M, Pfister SM, Wick W, Herold-Mende C, Jones DTW, von Deimling A, **Capper D**. Anaplastic astrocytoma with piloid features, a novel molecular class of IDH wildtype glioma with recurrent MAPK pathway, CDKN2A/B and ATRX alterations. *Acta Neuropathol.* 2018 Mar 21. doi: 10.1007/s00401-018-1837-8.  
**Impact Factor 15.872**
5. **Capper D**, Zentgraf H, Balss J, Hartmann C, von Deimling A: Monoclonal antibody specific for IDH1 R132H mutation, *Acta Neuropathol* 2009, 118:599-601.  
**Impact Factor 15.872**