

# PFISTER, STEFAN, PROF. DR. MED.

## GENERAL INFORMATION



### Director Preclinical Research

Hopp Children's Cancer Center Heidelberg  
German Cancer Research Center (DKFZ), Division of Pediatric Neurooncology  
Heidelberg University Hospital, Dep. of Pediatric Hematology and Oncology  
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Tel: +49 6221 424618  
●DOB: 07.06.1974 ●Sex: Male ●Nationality: German  
Familial Obligations: Married, two children

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## ACADEMIC EDUCATION & QUALIFICATION

Year(s)	Education
2015	Master in Management
Since 2014	Full Professor in Pediatrics
1994 - 2002	Medical studies at the Universities of Hamburg and Tübingen

## SCIENTIFIC EDUCATION & QUALIFICATION

Year(s)	Education
2010	Postdoctoral Lecture Qualification (Habilitation) at the University of Heidelberg
2004 - 2006	Postdoctoral Fellow at the German Cancer Research Center, Division Molecular Genetics
1999 - 2000	Postdoctoral Fellow at the Dana-Farber Cancer-Institute, Harvard Medical School, Department of Tumor Immunology, Boston, USA
1997 - 1999	Dissertation at the University of Tübingen, Department of Pediatric Oncology

## PROFESSIONAL EXPERIENCE

Year(s)	Experience
2016	Director Preclinical Research, Hopp Children's Cancer Center Heidelberg
Since 2012	Head of the Division of Pediatric Neurooncology, German Cancer Research Center Heidelberg
Since 2010	Consultant in Pediatrics
Since 2006	Group Leader: Molecular Genetics of Childhood Brain Tumors (German Cancer Research Center and University Hospital Heidelberg)
2006 - 2009	Resident at Heidelberg University Hospital, Dep. of Pediatric Hematology and Oncology
2002 - 2004	Resident at Mannheim University Hospital, Department of Pediatrics

## COORDINATION OF SCIENTIFIC NETWORKS

Since 2017	Academic PI of the Innovative Medicine Initiative-2 project ITCC-P4 (joint venture between European pharmacology companies and European Union)
Since 2016	Biology Chair of the European medulloblastoma trial (SIOP-PNET)
Since 2015	Biology Chair of the Innovative Therapies for Children with Cancer (ITCC) consortium
Since 2014	Coordination of the national reference center for molecular diagnostics in pediatric brain tumors (Molecular Neuropathology 2.0)
Since 2013	Coordination of the national and international clinical sequencing program in pediatric oncology (INFORM)

## SCIENTIFIC AWARDS

2018	Heidelberg Molecular Life Sciences Award
2016	Zülch-Award
2014	Richtzenhain Award
2013	German Cancer Award (Translational part)
2013	Cancer Award of Württemberg

2011	Alfred-Müller Award for Neurooncology
2009	Kind-Philipp Award for Pediatric Oncology
2009	Sibylle Assmus Award for Neurooncology
2008	Dr.-Hella-Bühler Research Award

## SELECTED PUBLICATIONS (FROM >300 IN PUBMED, H-INDEX 98, >40.000 CITATIONS)

1. Waszak SM\*, Northcott PA\*, (...), and Malkin D\*, Gajjar A\*, Korbelt JO\*, Pfister SM\*. Spectrum and prevalence of genetic predisposition in medulloblastoma: a retrospective genetic study and prospective validation in a clinical trial cohort. **Lancet Oncol.** 2018;19(6):785-798.
2. Capper D\*, Jones DTW\*, Sill M\*, Hovestadt V\*, (...), and von Deimling A\*, Pfister, SM\*. DNA methylation-based classification of human central nervous system tumours. **Nature** 2018;555(7697):469-474.
3. Gröbner S\*, Worst B\* et al., ...and Chavez L\*, Zapatka M\*, Pfister SM\*. The landscape of genomic alterations and drug targets across childhood cancers. **Nature** 2018;555(7696):321-327.
4. Northcott PA\*, Buchhalter I\*, (...), and Pfister SM\*, Taylor MD\*, Lichter P\*. The whole-genome landscape of medulloblastoma subtypes. **Nature** 2017;547(7663):311-317
5. Bender S\*, Gronych J\*, Warnatz H-J\*, Hutter B\*, (...), Pfister SM\*, Lichter P\*, Jones DTW\*. Recurrent MET fusion genes represent a druggable target in paediatric glioblastoma. **Nat Med** 2016;22(11):1314-1320
6. Lin CY, Erkek S, (...), Pfister SM\*, Bradner JE\*, Northcott PA\*. Active medulloblastoma enhancers reveal subgroup-specific cellular origins. **Nature** 2016;530(7588):57-62
7. Pajtler KW\*, Witt H\*, Sill M\*, (...), and Kool M\*, Pfister SM\*. Molecular Classification of Ependymal Tumors across All CNS Compartments, Histopathological Grades, and Age Groups. **Cancer Cell** 2015;27(5):728-43
8. Northcott PA\*, Lee C\*, Zichner T\*, Stütz AM\*, (...), and Eils R\*, Lichter P\*, Pfister SM\*. Enhancer hijacking activates GFI1 family oncogenes in medulloblastoma. **Nature** 2014;511(7510):428-34
9. Hovestadt V\*, Jones, DTW\*, (...), and Radlwimmer B\*, Pfister SM\*, Lichter P\*. Decoding the regulatory landscape of medulloblastoma using DNA methylation profiling. **Nature** 2014; 510(7506):537-41.
10. Kool M\*, Jones DTW\*, (...), and Wechsler-Reya RJ\*, Lichter P\*, Pfister SM\*. Genome Sequencing of SHH Medulloblastoma Predicts Genotype-Related Response to Smoothed Inhibition. **Cancer Cell** 2014;25(3):393-405
11. Bender S\*, Tang Y\*, Lindroth AM\*, (...), and Plass, C., Cho, Y.J., Pfister, S.M. (2013). Reduced H3K27me3 and DNA Hypomethylation Are Major Drivers of Gene Expression in K27M Mutant Pediatric High-Grade Gliomas. **Cancer Cell** 2013; 24(5):660-72.
12. Jones DTW\*, Hutter B\*, Jäger N\*, (...), and Eils R\*, Lichter P\*, Pfister SM\*. Recurrent somatic alterations of FGFR1 and NTRK2 in pilocytic astrocytoma. **Nat Genet** 2013;45(8):927-32.
13. Rausch T\*, Jones DT\*, Zapatka M\*, Stütz AM\*, (...), Pfister SM\*, Korbelt JO\*. Genome sequencing of pediatric medulloblastoma links catastrophic DNA rearrangements with TP53 mutations. **Cell** 2012;148(1-2):59-71
14. Sturm D\*, Witt H\*, Hovestadt V\*, (...), Plass C\*, Jabado N\*, Pfister SM\*. Hotspot Mutations in H3F3A and IDH1 Define Distinct Epigenetic and Biological Subgroups of Glioblastoma. **Cancer Cell** 2012;22(4):425-37
15. Schwartzentruber J\*, Korshunov A\*, Liu XY\*, Jones DT\*, (...), Pfister SM\*, Jabado N\*. Driver mutations in histone H3.3 and chromatin remodeling genes in paediatric glioblastoma. **Nature** 2012;484(7392):130

## PATENTS

- Nada Jabado, Stefan M. Pfister, Christoph Plass, Andrey Korshunov, Hendrik Witt, Dominik Sturm, David Jones, Peter Lichter, Elke Pfaff. The Royal Institution For The Advancement Of Learning / McGill University, German Cancer Research Center (DKFZ), University Hospital Heidelberg. Mutations of histone proteins associated with proliferative disorders (WO2013075237 A1)
- Stefan M. Pfister, David TW Jones, David Capper, Andreas von Deimling, Martin Sill, Volker Hovestadt. German Cancer Research Center (DKFZ), University Hospital Heidelberg. DNA-Methylation based method for classifying tumor species (patent application, 15 158 660.9)