

Curriculum Vitae

Personal Data

Title	Prof. Dr.
First name	Tanja
Name	Vogel
Current position	Full professor (W3)
Current institution(s)/site(s), country	Department for Molecular Embryology, Institute of Anatomy and Cell Biology, University of Freiburg, Germany
Identifiers/ORCID	0000-0002-0602-9133

Qualifications and Career

Stages	Periods and Details
Degree programme	10/1988-01/1994, Biochemistry, diploma, University of Hannover, Germany
Doctorate	07/1994-11/1997, Dr. rer. nat., Evolution and Regulation of the TSPY gene locus, supervisor: Prof. Dr. J. Schmidtke, Dept. of Human Genetics, Medical School Hannover, Germany
Stages of academic/professional career	04/2011-today, Professor, Department for Molecular Embryology, Institute of Anatomy and Cell Biology, University of Freiburg, Germany 06/2010, Habilitation: Anatomy, University Medicine Göttingen, Germany 08/2005-03/2011, Group leader, Department of Neuroanatomy, Centre for Anatomy, University Medicine Göttingen, Germany 02/2000-07/2005, Postdoctoral fellow, supervisor: Prof. Dr. P. Gruss, MPI for Biophysical Chemistry, Göttingen, Germany 10/1997-01/2000, Postdoctoral fellow, supervisor: Prof. Dr. H.J. Cooke, MRC Human Genetics Unit, Edinburgh, UK

Supplementary Career Information

2 children, *2000,

08/2000 – 07/2001 (100% Parent time)

08/2001 – 07/2003 (50% Parent time)

Engagement in the Research System

Selection of referee duties - funding agencies: DFG (Germany) (Individual Grants Programmes, Research Training Groups, Research Units), NSF (USA), MRC (UK), INSERM (France), GIF (Israel), ANR (France), AvH (Germany), Wellcome Trust (UK), NSC (Poland), Deutsche Krebshilfe (Germany)

Selection of referee duties - journals: Nature Neuroscience, Nature Communication, iScience, FEBS Letters, Nucleic Acids Research, Cell and Tissue Research, Journal of Vascular research, European Journal of Human Genetics

Diverse activities of academic self-governance in selection committees, gender diversity (e.g. committee member for Stay! Come and stay! program), mentoring programs (MNoP, Eira), etc.

Supervision of Researchers in Early Career Phases

PhD researcher

2010 - 2015	Dipl. Biol. N. Hellbach, Universität Freiburg
2010 - 2015	MSc. S. Wahane, Universität Freiburg
2011 - 2015	Dipl. Pharm. D. Roidl, Universität Freiburg
2012 - 2017	Dipl. Biochem. S. Weise, Universität Freiburg
2014 - 2020	MSc. G. Arumugam, Universität Freiburg
2016 - 2021	MSc A. Gray de Cristoforis, Universität Freiburg
2017 - 2021	MSc. B. Appiah, Universität Freiburg
2017 - 2021	MSc. A. Salas, Universität Freiburg
2018 - 2021	MSc. T. Rauleac, Universität Freiburg
2020 - 2024	MSc. I. Akol, Universität Freiburg
since 2021	C. Fullio, Universität Freiburg
since 2023	MSc. K. M. Azar, Universität Freiburg

2015 - today supervision of 7 BSc theses, 5 MSc theses

Scientific Results

41 peer-reviewed papers (currently 1 paper on preprint server)

Hirsch Index: 24

Full list of publications:

<https://www.ncbi.nlm.nih.gov/myncbi/tanja.vogel.1/bibliography/public/>

Category A

Publications where I was primarily conceptualising the project, interpreted the data, wrote or substantially edited the manuscripts:

1. Appiah B, Fullio CL, Ossola C, Bertani I, Restelli E, Cheffer A, Polenghi M, Haffner C, Garcia-Miralles M, Zeis P, Treppner M, Bovio P, Schlichtholz L, Mas-Sanchez A, Zografidou L, Winter J, Binder H, Grün D, Kalebic N, Taverna E, **Vogel T** (2023) DOT1L activity affects neural stem cell division mode and reduces differentiation and ASNS expression. *EMBO reports* 24: e56233. doi: 10.15252/embr.202256233
2. Izzo A, Akol I, Villarreal A, Garcia-Miralles M, Bovio P, Heidrich S, **Vogel T** (2023) Nucleophosmin 1 cooperates with the methyltransferase DOT1L to regulate H3K79me2 levels and DNA satellites expression at peri-nucleolar heterochromatin. *Epigenetics & Chromatin* 16, 36. doi: 10.1186/s13072-023-00511-9

3. Cheffer A, Garcia-Miralles M, Maier EC, Akol I, Franz H, Vedartham Srinivasan VS, **Vogel T** (2023) DOT1L deletion impairs the development of cortical Parvalbumin-expressing interneurons. *Cereb Cortex* **33**:10272–10285. doi: 10.1093/cercor/bhad281
4. Akol I, Izzo A, Gather F, Strack S, Heidrich S, Ó hAilín D, Villarreal A, Hacker C, Rauleac T, Bella C, Fischer A, Manke T, **Vogel T** (2023) Multimodal epigenetic changes and altered NEUROD1 chromatin binding in the mouse hippocampus underlie FOXP1 syndrome. *Proc Natl Acad Sci U S A*. 2023 Jan 10;120(2):e2122467120. doi: 10.1073/pnas.2122467120.
5. Ferrari F, Arrigoni L, Franz H, Izzo A, Butenko L, Trompouki E, **Vogel T***, Manke T* (2020) DOT1L-mediated murine neuronal differentiation associates with H3K79me2 accumulation and preserves SOX2-enhancer accessibility. *Nat Comm* 11:5200. doi: 10.1038/s41467-020-19001-7, *shared correspondance
6. Franz H, Villarreal A, Heidrich S, Videm P, Kilpert F, Mestres I, Calegari F, Backofen R, Manke T, **Vogel T** (2019) DOT1L promotes progenitor proliferation and primes neuronal layer identity in the developing cerebral cortex. *Nucleic Acids Res* 47(1):168-183. doi: 10.1093/nar/gky953
7. Roidl D, Hellbach N, Bovio P, Villarreal A, Heidrich S, Nestel S, Grüning B, Bönisch U, **Vogel T** (2016) DOT1L activity promotes proliferation and protects cortical neural stem cells from activation of ATF4-DDIT3-mediated ER stress in vitro. *Stem Cells* 34(1):233-45. doi: 10.1002/stem.2187
8. Büttner N, Johnsen SA, Kügler S, **Vogel T** (2010) Af9/Mllt3 interferes with Tbr1 expression through epigenetic modification of histone H3K79 during development of upper layers in the cerebral cortex. *Proc Natl Acad Sci U S A* 107(15): 7042-7. doi: 10.1073/pnas.0912041107

Publications were I contributed as co-author to some experimentation shown in the publications, concepts and manuscript writing:

9. Karpiuk O, Najafova Z, Kramer F, Hennion M, Galonska C, König A, Snaidero N, **Vogel T**, Shchebet TA, Begus-Nahrman Y, Kassem M, Simons M, Shcherbata H, Beissbarth T, Johnsen SA (2012) The histone H2B monoubiquitination regulatory pathway is required for differentiation of multipotent stem cells. *Molecular Cell* 46(5): 705–713. doi: 10.1016/j.molcel.2012.05.022
10. Britanova O, de Juan RC, Cheung A, Kwan KY, Schwark M, Gyorgy A, **Vogel T**, Akopov S, Mitkovski M, Agoston D, Sestan N, Molnar Z, Tarabykin V (2008) Satb2 is a postmitotic determinant for upper-layer neuron specification in the neocortex. *Neuron* 57: 378-392. doi: 10.1016/j.neuron.2007.12.028

Category B

Publications on preprint server:

Single-cell transcriptomic resolution of stem cells and their developmental trajectories in the hippocampus reveals epigenetic control of cell state perseverance

Salas-Bastos A, Treppner M, Herman JS, Koutsogiannis D, Binder H, Stadler MB, Grün D, **Vogel T**. bioRxiv 2021.07.21.452775; doi: <https://doi.org/10.1101/2021.07.21.452775>

Public available data sets:

BioProject: PRJNA282071, PRJNA287208

GEO: GSE101945, GSE, 101947, GSE101949, GSE104169, GSE106801, GSE106802, GSE135318, GSE142188, GSE90508, GSE90509, GSE95831, GSE95832, GSE95833

ProteomeXchange/PRIDE: PXD005072

Academic Distinctions

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|-----------|--|
| 1994-1997 | Doctoral fellowship (DFG RTG Molecular Pathophysiology of Cell Growth) |
| 1998-2000 | Travelling Research Fellowship of the Wellcome Trust, UK |
| 2000-2001 | Postdoctoral Fellowship of the Max-Planck-Society |

2011 Award for the best Habilitation of the University Medicine Göttingen
since 2017 Speaker of the RTG 2344 “MeInBio-BioInMe”

Other Information

Member of the Freiburg iPS Core

(<https://www.uniklinik-freiburg.de/itg/forschung-entwicklung/freiburg-ips-core.html>)

Head of Science, The Children's Rare Disorder Fund

(<https://www.thecrdfund.org>)

Data protection and consent to the processing of optional data

If you provide voluntary information (marked as optional) in this CV, your consent is required. Please confirm your consent by checking the box below.

I expressly consent to the processing of the voluntary (optional) information, including “special categories of personal data”¹ in connection with the DFG’s review and decision-making process regarding my proposal. This also includes forwarding my data to the external reviewers, committee members and, where applicable, foreign partner organisations who are involved in the decision-making process. To the extent that these recipients are located in a third country (outside the European Economic Area), I additionally consent to them being granted access to my data for the above-mentioned purposes, even though a level of data protection comparable to EU law may not be guaranteed. For this reason, compliance with the data protection principles of EU law is not guaranteed in such cases. In this respect, there may be a violation of my fundamental rights and freedoms and resulting damages. This may make it more difficult for me to assert my rights under the General Data Protection Regulation (e.g. information, rectification, erasure, compensation) and, if necessary, to enforce these rights with the help of authorities or in court.

I may **revoke** my consent in whole or in part at any time – with effect for the future, freely and without giving reasons – vis-à-vis the DFG (postmaster@dfg.de). The lawfulness of the processing carried out up to that point remains unaffected. Insofar as I transmit “special categories of personal data” relating to third parties in this CV, I confirm that the necessary legitimation under data protection law exists (e.g. based on consent).

I have taken note of the DFG’s Data Protection Notice relating to research funding, which I can access at www.dfg.de/privacy_policy and I will forward it to such persons whose data the DFG processes as a result of being mentioned in this CV.

¹ Special categories of personal data are those “revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and (...) genetic data, biometric data for the purpose of uniquely identifying a natural person, data concerning health or data concerning a natural person’s sex life or sexual orientation” (Article 9(1) GDPR).