


VENKATARAMANI, VARUN, DR. MED. DR. RER. NAT.

GENERAL INFORMATION

	Group Leader University Hospital Heidelberg, Department of Neurology Im Neuenheimer Feld 400 69120 Heidelberg, Germany	A07N
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ACADEMIC EDUCATION & QUALIFICATION

Year(s)	Education
2009-2016	Medical Studies at Heidelberg University

SCIENTIFIC EDUCATION & QUALIFICATION

Year(s)	Education
2019	MD Thesis at the University of Heidelberg (supervisor: Professor Thomas Kuner): "Visualizing presynaptic F-actin arrangements with super-resolution and electron microscopy" (summa cum laude)
2020	PhD Thesis at the University of Heidelberg (supervisor: Professor Frank Winkler/Professor Thomas Kuner: „Characterisation of synaptic input onto glioma cells and its effect on brain tumour progression“ (summa cum laude)

PROFESSIONAL EXPERIENCE

Year(s)	Education
Since 2019	Group Leader at the Department of Functional Neuroanatomy, Institute for Anatomy and Cell Biology, Heidelberg University (Head of Department: Professor Thomas Kuner)
Since 2019	Postdoc at German Cancer Research Center, Clinical Cooperation Unit Neurooncology (Prof. Dr. Frank Winkler, MD) and Neurology Clinic, University Hospital Heidelberg (Prof. Dr. Wolfgang Wick, MD)
Since 2018	Resident at the Neurology Clinic, University Hospital Heidelberg (Prof. Dr. Wolfgang Wick, MD)

OTHER QUALIFICATIONS/ROLES/RESPONSIBILITIES

Year(s)	Qualifications/Roles/Responsibilities
2021	Abstract Award of the German Society for Neurology
2021	Basic Science Award of the Society for Neurooncology
2020	Ruprecht-Karls-Award, University Heidelberg Foundation

SELECTED PUBLICATIONS

1. Venkataramani, V.*, Yang, Y., Schubert, M.C., Reyhan, E., Tetzlaff, S.K., Wißmann, N., Botz, M., Soyka, S.J., Beretta, C.A., Pramatarov, R.L., Fankhauser, L., Garofano, L., Freudenberg, A., Wagner, J., Tanev, D.I., Ratliff, M., Xie, R., Kessler, T., Hoffmann, D.C., Hai, L., Dörflinger, Y., Hoppe, S., Yabo, Y.A., Golebiewska, A., Niclou, S.P., Sahm, F., Lasorella, A., Slowik, M., Döring, L., Iavarone, A., Wick, W., Kuner, T.* and Winkler, F.* Glioblastoma hijacks neuronal mechanisms for brain invasion. **Cell** (in press).
2. Venkataramani, V., Schneider, M., Giordano, F. A., Kuner, T., Wick, W., Herrlinger, U. & Winkler, F. Disconnecting multicellular networks in brain tumours. **Nat Rev Cancer**, doi:10.1038/s41568-022-00475-0 (2022).
3. Venkataramani, V., and Winkler, F. (2021). Activation of retinal neurons triggers tumour formation in cancer-prone mice. **Nature** 594, 179-180.

4. Xie, R., Kessler, T., Grosch, J., Hai, L., [Venkataramani, V.](#), Huang, L., Hoffmann, D.C., Solecki, G., Ratliff, M., Schlesner, M., *et al.* (2020). Tumor cell network integration in glioma represents a stemness feature. **Neuro Oncol** 23, 757-769.
5. Klevanski, M., Herrmannsdoerfer, F., Sass, S., [Venkataramani, V.](#), Heilemann, M., and Kuner, T. (2020). Automated highly multiplexed super-resolution imaging of protein nano-architecture in cells and tissues. **Nat Commun** 11, 1552.
6. [Venkataramani, V.](#) #, Tanev, D.I. #, Kuner, T., Wick, W., and Winkler, F. (2020). Synaptic Input to Brain Tumors: Clinical Implications. **Neuro Oncol**.
7. Portela, M., [Venkataramani, V.](#), Fahey-Lozano, N., Seco, E., Losada-Perez, M., Winkler, F., and Casas-Tinto, S. (2019). Glioblastoma cells vampirize WNT from neurons and trigger a JNK/MMP signaling loop that enhances glioblastoma progression and neurodegeneration. **PLoS Biol** 17, e3000545.
8. [Venkataramani, V.*](#), Tanev, D.I., Strahle, C., Studier-Fischer, A., Fankhauser, L., Kessler, T., Korber, C., Kardorff, M., Ratliff, M., Xie, R., *et al.* (2019). Glutamatergic synaptic input to glioma cells drives brain tumour progression. **Nature** 573, 532-538.
9. Osswald, M., Jung, E. #, Sahm, F. #, Solecki, G. #, [Venkataramani, V.](#), Blaes, J., Weil, S., Horstmann, H., Wiestler, B., Syed, M., *et al.* (2015). Brain tumour cells interconnect to a functional and resistant network. **Nature** 528, 93-98.
10. [Venkataramani, V.](#) #, Herrmannsdorfer, F. #, Heilemann, M., and Kuner, T. (2016). SuReSim: simulating localization microscopy experiments from ground truth models. **Nat Methods** 13, 319-321.

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Equal contribution