



## Vinita Bharat

Postdoctoral Research Fellow, Neurosurgery

### Bio

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#### PROFESSIONAL EDUCATION

- Master of Science, Georg August Universitat Gottingen (2012)
- Doctor of Philosophy, Georg August Universitat Gottingen (2017)
- Bachelor of Science, University Of Delhi (2011)

### Publications

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#### PUBLICATIONS

- **Precision Neurology for Parkinson's Disease: Coupling Miro1-Based Diagnosis with Drug Discovery.** *Movement disorders : official journal of the Movement Disorder Society*  
Bharat, V., Wang, X.  
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- **Surveillance and transportation of mitochondria in neurons.** *Current opinion in neurobiology*  
Vanhouwaert, R., Bharat, V., Wang, X.  
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- **Understanding how combinatorial targeting of TLRs and TNFR family costimulatory members promote enhanced T cell responses** *EXPERT OPINION ON BIOLOGICAL THERAPY*  
Shinde, P., Bharat, V., Rodriguez-Oquendo, A., Zhou, B., Vella, A. T.  
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- **EndophilinAs regulate endosomal sorting of BDNF-TrkB to mediate survival signaling in hippocampal neurons** *SCIENTIFIC REPORTS*  
Burk, K., Murdoch, J. D., Freytag, S., Koenig, M., Bharat, V., Markworth, R., Burkhardt, S., Fischer, A., Dean, C.  
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- **Capture of Dense Core Vesicles at Synapses by JNK-Dependent Phosphorylation of Synaptotagmin-4.** *Cell reports*  
Bharat, V., Siebrecht, M., Burk, K., Ahmed, S., Reissner, C., Kohansal-Nodehi, M., Steubler, V., Zweckstetter, M., Ting, J. T., Dean, C.  
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- **BDNF enhances spontaneous and activity-dependent neurotransmitter release at excitatory terminals but not at inhibitory terminals in hippocampal neurons.** *Frontiers in synaptic neuroscience*  
Shinoda, Y., Ahmed, S., Ramachandran, B., Bharat, V., Brockelt, D., Altas, B., Dean, C.  
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- **Axonal and dendritic synaptotagmin isoforms revealed by a pHluorin-syt functional screen** *MOLECULAR BIOLOGY OF THE CELL*  
Dean, C., Dunning, F. M., Liu, H., Bomba-Warczak, E., Martens, H., Bharat, V., Ahmed, S., Chapman, E. R.  
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