

Marina Mikhaylova

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Curriculum vitae

Since 2020	Tenure track associated professor (W2), AG Optobiology, Institute of Biology, Humboldt Universität zu Berlin, Berlin, Germany
2015 – 2020	Research Group Leader at the ZMNH, University Medical Center Hamburg-Eppendorf, Hamburg, Germany
2012 – 2015	EMBO-LTF and Marie-Curie IEF postdoctoral fellow at the Dev. of Cell Biology, Utrecht University, Utrecht, The Netherlands
2010 – 2012	Postdoctoral fellow at the Leibniz-Institute for Neurobiology, Magdeburg, Germany
2005 – 2010	Doctoral studies at the Leibniz-Institute for Neurobiology, Magdeburg, Germany
2004 – 2005	Research assistant at the Leibniz-Institute for Neurobiology, Magdeburg, Germany
1999 – 2004	University studies at the the Bashkir State University, Diploma in Biology, Ufa, Russia

Activities in the scientific community, honours, awards

Since 2020	Fellow of the Hertie Academy of Clinical Neuroscience
2020	Offer for the W3 professorship for Transport processes with focus on Biophotonics at the UKE, Hamburg; <i>declined</i>
2020	Offer for the W2 professorship for Optobiology at the Humboldt University, Berlin; <i>accepted</i>
Since 2017	Reviewer for J. of Neuroscience, The EMBO J, EMBO Reports, Cellular and Molecular
Since 2016	Life sciences
Since 2016	Reviewer for the DFG (Germany), ANR (France), MRC (UK), FWF (Austria), la Caixa (Spain)
Since 2016	Editorial Board member of Scientific reports and Cytoskeleton; review Editor at Frontiers of Molecular Neuroscience and Frontiers in Neuropharmacology
2015	DFG Emmy-Noether grant to establish Research Group at the ZMNH, University Medical Center Hamburg-Eppendorf, Hamburg, Germany
2013	Marie-Curie IEF for doing postdoctoral research at the Dev. of Cell Biology, Utrecht University, Utrecht, The Netherlands
2012	EMBO long-term fellowship for doing postdoctoral research at the Dev. of Cell Biology, Utrecht University, Utrecht, The Netherlands
2010	Nomination for “Nachwuchspreise der Leibniz-Gemeinschaft, 2010” at the annual meeting of Leibniz Society in Düsseldorf, Germany
2009	Selected to participate at the 59 th Meeting of Nobel Laureates 2009 19 th Forum dedicated to Chemistry, Lindau, Germany

Selected publications

Total of 54 per-reviewed publications, h-index of 21 (Scopus).

1. Konietzny, A., González-Gallego, J., Alberto Perez-Alvarez, A., Bär, J., Drakew, A., Hammer 3rd, J.A., Demmers, J.A.A., Dekkers, D.H.W., Frotscher, M., Oertner, T.G., Wagner, W., Kneussel, M., Mikhaylova, M. *Characterization of neuronal synaptopodin reveals a myosin V-dependent mechanism of synaptopodin clustering at the post-synaptic sites.* **J of Cell Sci.** 2019. 132(16). pii: jcs230177.
2. van Bommel, B., Konietzny, A., Kobler, O., Bär, J., Mikhaylova, M. *F-actin patches associated with glutamatergic synapses control positioning of dendritic lysosomes.* **EMBO J.** 2019. 1; 38(15).
3. Mikhaylova, M.* , Bär, J., van Bommel, B., Schätzle, P., YuanXiang, P., Raman, R., Hradsky, J., Konietzny, A., Loktionov, E.Y., Reddy, P.P., Lopez-Rojas, J., Spilker, C., Kobler, O., Raza, S.A., Stork, O., Hoogenraad, C.C., Kreutz, M.R.* *Caldendrin Directly Couples Postsynaptic Calcium Signals to Actin Remodeling in Dendritic Spines.* **Neuron.** 2018. 97:1110-1125. *shared correspondence
4. Katrukha, E.A.* , Mikhaylova, M.* , van Brakel, H.X., van Bergen En Henegouwen, P.M., Akhmanova, A., Hoogenraad, C.C., Kapitein, L.C. *Probing cytoskeletal modulation of passive and active intracellular dynamics using nanobody-functionalized quantum dots.* **Nat Commun.** 2017. 8:14772.* shared first authorship
5. Bär, J., Kobler, O., van Bommel, B., Mikhaylova, M. *Periodic F-actin structures shape the neck of dendritic spines.* **Sci Rep.** 2016. 6:3713.
6. Mikhaylova, M., Bera, S., Kobler, O., Frischknecht, R., Kreutz, M.R. *A Dendritic Golgi Satellite between ERGIC and Retromer.* **Cell Rep.** 2016. 14:189-99.
7. Mikhaylova, M., Cloin, B.M., Finan, K., van den Berg, R., Teeuw, J., Kijanka, M.M., Sokolowski, M., Katrukha, E.A., Maidorn, M., Opazo, F., Moutel, S., Vantard, M., Perez, F., van Bergen En Henegouwen, P.M., Hoogenraad, C.C., Ewers, H., Kapitein, L.C. *Resolving bundled microtubules using anti-tubulin nanobodies.* **Nat Commun.** 2015. 6:7933.
8. van Spronsen, M.* , **Mikhaylova, M.***, Lipka, J.* , Schlager, M.A., van den Heuvel, D.J., Kuijpers, M., Wulf, P.S., Keijzer, N., Demmers, J., Kapitein, L.C., Jaarsma, D., Gerritsen, H.C., Akhmanova, A., Hoogenraad, C.C. (2013) TRAK/Milton Motor-Adaptor Proteins Steer Mitochondrial Trafficking to Axons and Dendrites. **Neuron.** 77: 485-502. * shared first authorship
9. Karpova, A.* , Mikhaylova, M.* , Bera, S., Bär, J., Reddy, P.P., Behnisch, T., Rankovic, V., Spilker, C., Bethge, P., Sahin, J., Kaushik, R., Zuschratter, W., Kahne, T., Naumann, M., Gundelfinger, E.D., Kreutz, M.R. *Encoding and Transducing the Synaptic or Extrasynaptic Origin of NMDA Receptor Signals to the Nucleus.* **Cell.** 2013. 152(5):1119-1133. *shared first authorship
10. Mikhaylova, M., Reddy, P.P., Munsch, T., Landgraf, P., Suman, S.K., Smalla, K.H., Gundelfinger, E.D., Sharma, Y., Kreutz, M.R. *Calneurons provide a Calcium-threshold for trans-Golgi network to plasma membrane trafficking.* **Proc Natl Acad Sci USA.** 2009. 106:9093-9098.