Dr. Julia Preobraschenski

GENERAL INFORMATION

Date of birth:	03.03.1982
Gender:	female
Address of institution:	Institute for Auditory Neuroscience University Medical Center Göttingen Robert-Koch-Str. 40 37075 Göttingen
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Current position:	Junior Research Group Leader, Institute for Auditory Neuroscience, University Medical Center Göttingen.

ACADEMIC EDUCATION

2001 – 2007	Diploma in Chemistry, Faculty of Life Sciences, Braunschweig University of Technology, Germany
2007	Diploma thesis, German Cancer Research Center (DKFZ), Heidelberg, Germany
2005 – 2006	Graduate Studies and Research Scholar, University of Utah, Salt Lake City, USA

SCIENTIFIC DEGREES

2012	Dr. rer. nat., Faculty of Biology, University of Göttingen, Germany (Prof. Reinhard Jahn)

PROFESSIONAL CAREER AFTER COMPLETING DEGREE

Since 1/2020	Junior Fellow Multiscale Bioimaging Excellence Cluster (MBExC) and Junior Research Group Leader, Institute for Auditory Neuroscience, University Medical Center Goettingen (UMG), Germany
Since 2019	Guest Researcher, Max Planck Institute for Biophysical Chemistry (MPI BPC), Göttingen, Germany
2019	Senior Postdoctoral Researcher, Institute for Auditory Neuroscience, UMG, Germany
2012 -2019	Senior Postdoctoral Researcher, Department of Neurobiology, MPI BPC, Göttingen, Germany

MISCELLANEOUS

Research Grants

Since 2020	DFG grant within the Collaborative Research Centre SFB889, Cellular Mechanisms of Sensory Processing (A11) with Dr. Eri Sakata as Co-PI (3 years, ~200,000 Euro)

Fellowships, Awards and Honors

2017	Best poster award, Transmembrane Transporters in Health and Disease Symposium, Vienna, Austria

2015	Best poster award, BioMedical Transporters Research Conference, Lugano, Switzerland
2014	Best poster award, Transmembrane Transporters in Health and Disease Symposium, Vienna, Austria
2011	Travel award, CHSL Meeting, Cold Spring Harbor, USA
2008 - 2010	Max Planck Society scholarship for doctoral students, MPI BPC, Goettingen
2005 - 2006	DAAD (German Academic Exchange Program) scholarship for study exchange at the University of Utah, Salt Lake City, USA

Further Scientific Activities

2018	Selected postdoctoral reviewer for the Journal of General Physiology

SELECTED PUBLICATIONS *(with scientific assurance)*

1. Birinci, Y., **Preobraschenski, J.**, Ganzella, M., Jahn, R., Park, Y. (2020) Isolation of large dense-core vesicles from bovine adrenal medulla for functional studies. Sci. Rep.
2. Kreutzberger, A.J.B., Kiessling, V., Stroupe, C., Liang, B., **Preobraschenski, J.**, Ganzella, M., Kreutzberger, M.A.B., Nakamoto., R., Jahn, R., Castle, J.D., Tamm, L.K. (2019) In vitro fusion of single synaptic and dense core vesicles reproduces key physiological properties. Nat. Commun. Aug 29;10(1):3904.
3. Raja., M.K., **Preobraschenski, J.**, del Olmo-Cabrera, S., Martínez-Turillas, R., Jahn, R., Pérez-Otano, I., Wesseling, J. (2019). Elevated synaptic vesicle release probability in synaptophysin/gyrin family quadruple knockouts. Elife.
4. Bocker, H.T., Heinrich, T., Liebmann, L., Hennings, J.C., Seemann, E., Gerth, M., Jakovcevski, I., **Preobraschenski, J.**, Kessels, M.M., Westermann, M., Isbrandt, D., Jahn., R., Qualmann, B., Hübner, C.A. (2018). The Na^+/H^+ exchanger Nhe1 modulates network excitability via GABA release. Cereb. Cortex.
5. **Preobraschenski, J.**, Cheret, C., Zander, J-F., Ganzella, M., Richter, K., Schenck, S., Jahn, R., Ahnert-Hilger, G. (2018). Dual and direction-selective mechanisms of phosphate transport by the vesicular glutamate transporter. Cell Reports *23,* 535-45*.*
6. Farsi, Z., **Preobraschenski, J.**, van den Boogart, G., Riedel, D., Jahn, R., Woehler, A. (2016). Single-vesicle imaging of electrochemical gradient reveal different transport mechanisms between glutamatergic and GABAergic vesicles. Science *351*, 981-4.
7. Larhammer, M., Patra, K., Blunder, M., Emilsson, L., Peuckert, C., Arvidsson, E., Rönnlund, D., **Preobraschenski, J**., Birgner, C., Limbach, C., Widengren, J., Blom, H., Jahn, R., Wallen-Mackenzie, A., Kullander, K. (2015). SLC10A4 is a vesicular amine-associated transporter modulating dopamine homeostasis. Biol. Psychiatry *77,* 526-36.
8. **Preobraschenski, J**., Zander, J-F., Suzuki, T., Ahnert-Hilger, G., Jahn, R. (2014). Vesicular glutamate transporters use flexible anion and cation binding sites for efficient accumulation of neurotransmitter. Neuron *84,* 1287-301.
9. Park, Y., Vennekate, W., Yavuz, H., **Preobraschenski, J**., Hernandez, J.M., Riedel, D., Walla, P.J., Jahn, R. (2014). α-SNAP interferes with the zippering of the SNARE protein membrane fusion machinery. J. Biol. Chem. *10,* 16326-35.