



Justyna Janas

Basic Life Research Scientist, Stem Cell Bio Regenerative Med Institute

SUPERVISORS

- Marius Wernig

Bio

HONORS AND AWARDS

- Stanford Maternal & Child Health Research Institute Grant & Postdoctoral Award, Stanford School of Medicine (2015)

EDUCATION AND CERTIFICATIONS

- PhD, IFB UG&MUG & Cold Spring Harbor Laboratory, NY , Biochemistry (2011)
- MSc, Intercollegiate Faculty of Biotechnology, University of Gdansk and Medical University of Gdansk, Poland (IFB UG&MUG) , Biotechnology (2003)

Publications

PUBLICATIONS

- **Insights and applications of direct neuronal reprogramming.** *Current opinion in genetics & development*
Schaukowitch, K., Janas, J. A., Wernig, M.
2023; 83: 102128
- **Transcription Factor-Directed Dopaminergic Neuron Differentiation from Human Pluripotent Stem Cells.** *Methods in molecular biology (Clifton, N.J.)*
Ng, Y. H., Janas, J. A.
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- **Tip60-mediated H2A.Z acetylation promotes neuronal fate specification and bivalent gene activation.** *Molecular cell*
Janas, J. A., Zhang, L., Luu, J. H., Demeter, J., Meng, L., Marro, S. G., Mall, M., Mooney, N. A., Schaukowitch, K., Ng, Y. H., Yang, N., Huang, Y., Neumayer, et al
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- **Mapping cis-regulatory elements in human neurons links psychiatric disease heritability and activity-regulated transcriptional programs.** *Cell reports*
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- **Myt1l haploinsufficiency leads to obesity and multifaceted behavioral alterations in mice.** *Molecular autism*
Wohr, M., Fong, W. M., Janas, J. A., Mall, M., Thome, C., Vangipuram, M., Meng, L., Sudhof, T. C., Wernig, M.
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- **Efficient generation of dopaminergic induced neuronal cells with midbrain characteristics.** *Stem cell reports*
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- **Neurologin-4 Regulates Excitatory Synaptic Transmission in Human Neurons.** *Neuron*
Marro, S. G., Chanda, S., Yang, N., Janas, J. A., Valperga, G., Trotter, J., Zhou, B., Merrill, S., Yousif, I., Shelby, H., Vogel, H., Kalani, M. Y., Sudhof, et al

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- **Generation of pure GABAergic neurons by transcription factor programming.** *Nature methods*
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2017; 14 (6): 621-628
- **Regulation of Chandelier Cell Cartridge and Bouton Development via DOCK7-Mediated ErbB4 Activation.** *Cell reports*
Tai, Y., Janas, J. A., Wang, C., Van Aelst, L.
2014; 6 (2): 254-263
- **DOK2 Inhibits EGFR-Mutated Lung Adenocarcinoma.** *PLoS one*
Berger, A. H., Chen, M., Morotti, A., Janas, J. A., Niki, M., Bronson, R. T., Taylor, B. S., Ladanyi, M., Van Aelst, L., Politi, K., Varmus, H. E., Pandolfi, P. P.
2013; 8 (11)
- **Oncogenic Tyrosine Kinases Target Dok-1 for Ubiquitin-Mediated Proteasomal Degradation To Promote Cell Transformation** *MOLECULAR AND CELLULAR BIOLOGY*
Janas, J. A., Van Aelst, L.
2011; 31 (13): 2552-2565
- **The Rac activator DOCK7 regulates neuronal polarity through local phosphorylation of stathmin/Op18** *NEURON*
Watabe-Uchida, M., John, K. A., Janas, J. A., Newey, S. E., Van Aelst, L.
2006; 51 (6): 727-739
- **Dok-1 independently attenuates Ras/mitogen-activated protein kinase and Src/c-Myc pathways to inhibit platelet-derived growth factor-induced mitogenesis** *MOLECULAR AND CELLULAR BIOLOGY*
Zhao, M. M., Janas, J. A., Niki, M., Pandolfi, P. P., Van Aelst, L.
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- **Lentiviral delivery of RNAi in hippocampal neurons** *METHODS IN ENZYMOLOGY, VOL 406, REGULATORS AND EFFECTORS OF SMALL GTPASES: RHO FAMILY*
Janas, J., Skowronski, J., Van Aelst, L.
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