



## Justyna Janas

Basic Life Research Scientist, Stem Cell Bio Regenerative Med Institute

### SUPERVISORS

- Marius Wernig

### Bio

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### 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

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#### 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  
2022
- **Mapping cis-regulatory elements in human neurons links psychiatric disease heritability and activity-regulated transcriptional programs.** *Cell reports*  
Sanchez-Priego, C., Hu, R., Boshans, L. L., Lalli, M., Janas, J. A., Williams, S. E., Dong, Z., Yang, N.  
2022; 39 (9): 110877
- **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.  
2022; 13 (1): 19
- **Efficient generation of dopaminergic induced neuronal cells with midbrain characteristics.** *Stem cell reports*  
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- **Neuroigin-4 Regulates Excitatory Synaptic Transmission in Human Neurons.** *Neuron*  
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- **Generation of pure GABAergic neurons by transcription factor programming.** *Nature methods*  
Yang, N., Chanda, S., Marro, S., Ng, Y., Janas, J. A., Haag, D., Ang, C. E., Tang, Y., Flores, Q., Mall, M., Wapinski, O., Li, M., Ahlenius, et al  
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.  
2006; 26 (7): 2479-2489
- **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.  
2006; 406: 593-605