Stanford



Justyna Janas

Basic Life Research Scientist, Stem Cell Bio Regenerative Med Institute

Bio

ACADEMIC APPOINTMENTS

- Basic Life Research Scientist, Stem Cell Bio Regenerative Med Institute

HONORS AND AWARDS

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

PROFESSIONAL EDUCATION

- 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

- **Distinct domains of Oligophrenin-1 regulate successive phases of cortical radial migration via RHOA- and PACSIN2-dependent mechanisms.** *Genes & development*
  Boato, F., de la Cruz Thea, B., George, S., Yang, Y. T., Wang, C. L., Nahlé, S., Janas, J. A., Coté, J. F., Van Aelst, L.
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- **Correction to: Myt1l haploinsufficiency leads to obesity and multifaceted behavioral alterations in mice.** *Molecular autism*
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- **Insights and applications of direct neuronal reprogramming.** *Current opinion in genetics & development*
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- **Transcription Factor-Directed Dopaminergic Neuron Differentiation from Human Pluripotent Stem Cells.** *Methods in molecular biology (Clifton, N.J.)*
  Ng, Y. H., Janas, J. A.
  2023; 2683: 39-51
- **Tip60-mediated H2A.Z acetylation promotes neuronal fate specification and bivalent gene activation.** *Molecular cell*
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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*
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- **Efficient generation of dopaminergic induced neuronal cells with midbrain characteristics.** *Stem cell reports*
  Ng, Y. H., Chanda, S., Janas, J. A., Yang, N., Kokubu, Y., Sudhof, T. C., Wernig, M.
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- **Neuroligin-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
  2019
- **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.
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- **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.
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- **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*
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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.
  2006; 406: 593-605