

# Stanford

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### Publications

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#### PUBLICATIONS

- **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
- **The autism risk factor CHD8 is a chromatin activator in human neurons and functionally dependent on the ERK-MAPK pathway effector ELK1.** *Scientific reports* Haddad Derafshi, B., Danko, T., Chanda, S., Batista, P. J., Litzenburger, U., Lee, Q. Y., Ng, Y. H., Sebin, A., Chang, H. Y., Sudhof, T. C., Wernig, M. 2022; 12 (1): 22425
- **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
- **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. 2021
- **A Synaptic Circuit Required for Acquisition but Not Recall of Social Transmission of Food Preference.** *Neuron* Wang, C. Y., Liu, Z. n., Ng, Y. H., Südhof, T. C. 2020
- **Oligodendrocyte Death in Pelizaeus-Merzbacher Disease Is Rescued by Iron Chelation.** *Cell stem cell* Nobuta, H. n., Yang, N. n., Ng, Y. H., Marro, S. G., Sabeur, K. n., Chavali, M. n., Stockley, J. H., Killilea, D. W., Walter, P. B., Zhao, C. n., Huie, P. n., Goldman, S. A., Kriegstein, et al 2019; 25 (4): 531–41.e6
- **A central amygdala to zona incerta projection is required for acquisition and remote recall of conditioned fear memory.** *Nature neuroscience* Zhou, M., Liu, Z., Melin, M. D., Ng, Y. H., Xu, W., Sudhof, T. C. 2018
- **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
- **μNeurocircuitry: Establishing *in vitro* models of neurocircuits with human neurons.** *Technology* Fantuzzo, J. A., De Filippis, L., McGowan, H., Yang, N., Ng, Y. H., Halikere, A., Liu, J. J., Hart, R. P., Wernig, M., Zahn, J. D., Pang, Z. P. 2017; 5 (2): 87-97
- **Induction of functional dopamine neurons from human astrocytes *in vitro* and mouse astrocytes in a Parkinson's disease model** *NATURE BIOTECHNOLOGY* Cervo, P. R., Romanov, R. A., Spigolon, G., Masini, D., Martin-Montanez, E., Toledo, E. M., La Manno, G., Feyder, M., Pifl, C., Ng, Y., Sanchez, S. P., Linnarsson, S., Wernig, et al 2017; 35 (5): 444-?
- **Early reprogramming regulators identified by prospective isolation and mass cytometry** *NATURE*

Lujan, E., Zunder, E. R., Ng, Y. H., Goronzy, I. N., Nolan, G. P., Wernig, M.  
2015; 521 (7552): 352-?

● **Inhibition of pluripotency networks by the rb tumor suppressor restricts reprogramming and tumorigenesis.** *Cell stem cell*

Kareta, M. S., Gorges, L. L., Hafeez, S., Benayoun, B. A., Marro, S., Zmoos, A., Cecchini, M. J., Spacek, D., Batista, L. F., O'Brien, M., Ng, Y., Ang, C. E., Vaka, et al  
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● **Hierarchical Mechanisms for Direct Reprogramming of Fibroblasts to Neurons** *CELL*

Wapinski, O. L., Vierbuchen, T., Qu, K., Lee, Q. Y., Chanda, S., Fuentes, D. R., Giresi, P. G., Ng, Y. H., Marro, S., Neff, N. F., Drechsel, D., Martynoga, B., Castro, et al  
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● **Generation of oligodendroglial cells by direct lineage conversion.** *Nature biotechnology*

Yang, N., Zuchero, J. B., Ahlenius, H., Marro, S., Ng, Y. H., Vierbuchen, T., Hawkins, J. S., Geissler, R., Barres, B. A., Wernig, M.  
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● **Generation of oligodendroglial cells by direct lineage conversion.** *Nature biotechnology*

Yang, N., Zuchero, J. B., Ahlenius, H., Marro, S., Ng, Y. H., Vierbuchen, T., Hawkins, J. S., Geissler, R., Barres, B. A., Wernig, M.  
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● **Induced Neuronal Cells: How to Make and Define a Neuron** *CELL STEM CELL*

Yang, N., Ng, Y. H., Pang, Z. P., Suedhof, T. C., Wernig, M.  
2011; 9 (6): 517-525