

# Stanford

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## Yi Han Ng

Postdoctoral Scholar, Molecular and Cellular Physiology

### Bio

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#### PROFESSIONAL EDUCATION

- Bachelor of Science, University of Wisconsin Madison , Biochemistry, Microbiology (2008)
- Doctor of Philosophy, Stanford University , MI-PHD (2016)

#### STANFORD ADVISORS

- Thomas Sudhof, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **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  
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- **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  
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- **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*  
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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.  
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- **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  
2015; 16 (1): 39-50
  
- **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  
2013; 155 (3): 621-635
  
- **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