References

1. Bloem, B. R., Okun, M. S., & Klein, C. (2021). Parkinson's disease. The Lancet, 397(10291), 2284–2303. https://doi.org/10.1016/S0140-6736(21)00218-X

2. Takahashi, K., & Yamanaka, S. (2007). Induction of pluripotent stem cells from adult human fibroblasts by defined factors. Cell, 131(5), 861–872. https://doi.org/10.1016/j.cell.2007.11.019

3. Lindvall, O., Kokaia, Z., & Martinez-Serrano, A. (2004). Stem cell therapy for human neurodegenerative disorders–how to make it work. Nature Medicine, 10(Suppl 7), S42–S50. https://doi.org/10.1038/nm1064

4. Hess, S., & Rambukkana, A. (2015). Bacterial-induced cell reprogramming to stem cell-like cells: New premise in host-pathogen interactions. Current Opinion in Microbiology, 23, 179–188. https://doi.org/10.1016/j.mib.2014.11.021

5. Masaki, T., Qu, J., Cholewa-Waclaw, J., Burr, K., Raaum, R., & Rambukkana, A. (2013). Reprogramming adult Schwann cells to stem cell-like cells by leprosy bacilli promotes dissemination of infection. Cell, 152(1–2), 51–67. https://doi.org/10.1016/j.cell.2012.12.014

6. Hess, S., Soh, L., Kanther, M., Novoa, B., & Neves, J. (2022). In vivo, partial reprogramming by bacteria promotes adult liver organ growth without fibrosis and tumorigenesis. Cell Reports Medicine, 3(11), 100820. https://doi.org/10.1016/j.xcrm.2022.100820

7. Mehta, A. P., & Edwards, T. L. (2018). Engineering yeast endosymbionts as a step toward the evolution of mitochondria. Proceedings of the National Academy of Sciences of the United States of America. https://doi.org/10.1073/pnas.1813143115

8. Madsen, C. S., Makela, A. V., Greeson, E. M., & Contag, C. H. (2022). Engineered endosymbionts that alter mammalian cell surface marker, cytokine, and chemokine expression. Communications Biology, 5, 888. https://doi.org/10.1038/s42003-022-03851-6

9. Rivetti di Val Cervo, P., Romanov, R., Spigolon, G., & others. (2017). Induction of functional dopamine neurons from human astrocytes in vitro and mouse astrocytes in a Parkinson's disease model. Nature Biotechnology, 35(5), 444–452. https://doi.org/10.1038/nbt.3835

10. Jin, Y., & Wang, S. (2018). Enhanced differentiation of human pluripotent stem cells into cardiomyocytes by bacteria-mediated transcription factors delivery. PLOS ONE. https://doi.org/10.1371/journal.pone.0194895

11. Powell, S. K., O'Shea, C., Townsley, K., & others. (2023). Induction of dopaminergic neurons for neuronal subtype-specific modeling of psychiatric disease risk. Molecular Psychiatry, 28, 1970–1982. https://doi.org/10.1038/s41380-021-01273-0

12. Bielecki, J., Youngman, P., Connelly, P., & Portnoy, D. A. (1990). Bacillus subtilis expressing a haemolysin gene from Listeria monocytogenes can grow in mammalian cells. Nature. https://doi.org/10.1038/345175a0

13. Greeson, E. M., Madsen, C. S., Makela, A. V., & Contag, C. H. (2022). Magnetothermal control of temperature-sensitive repressors in superparamagnetic iron nanoparticle-coated Bacillus subtilis. ACS Nano, 16(10), 16699–16712. https://doi.org/10.1021/acsnano.2c06239