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Postdoc: 2016-2020



CURRENT POSITION

Bioinformatics Research Scientist at St. Jude Children's Research Hospital
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PUBLICATIONS

Djekidel MN, Inoue A, Matoba S, Suzuki T, Zhang C, Lu F, Jiang L, Zhang Y (2018)

[Reprogramming of Chromatin Accessibility in Somatic Cell Nuclear Transfer Is DNA Replication Independent](#). *Cell Reports*; 23(7):1939-1947

Tuesta LM, Djekidel MN, Chen R, Lu F, Wang W, Sabatini BL, Zhang Y (2019) [In vivo nuclear capture and molecular profiling identifies Gmeb1 as a transcriptional regulator essential for dopamine neuron function](#) *Nature Communications* 10(1), 2508

Fu X, Wu X, Djekidel MN, Zhang Y (2019) [Myc and Dnmt1 impede the pluripotent to totipotent state transition in embryonic stem cells](#). *Nature Cell Biology* 21(7): 835-844

- Bhattacharjee A, **Djekidel MN**, Chen R, Chen W, Tuesta L, Zhang Y (2019) [Cell type-specific transcriptional programs in mouse prefrontal cortex during adolescence and addiction](#). *Nature Communications*. 10(1), 4169
- Fu X, **Djekidel MN**, Zhang Y (2020) [A transcriptional roadmap for 2C-like-to-pluripotent state transition](#) *Sci Adv* 6(22)
- Chen Z, **Djekidel MN**, Zhang Y (2021) [Distinct dynamics and functions of H2AK119ub1 and H3K27me3 in mouse preimplantation embryos](#) *Nat Genet* 53(4):551-563
- Chen R, Blosser TR, **Djekidel MN**, Hao J, Bhattacharjee A, Chen W, Tuesta LM, Zhuang X, Zhang Y (2021) [Decoding molecular and cellular heterogeneity of mouse nucleus accumbens](#) *Nat Neuroscience* 24:1757–1771
- Wang Y, Wang M, **Djekidel MN**, Chen H, Liu D, Alt FW, Zhang Y (2021) [eccDNAs are apoptotic products with high innate immunostimulatory activity](#) *Nature* 599:308–314
- Chen R, Liu Y, **Djekidel MN**, Chen W, Bhattacharjee A, Chen Z, Scolnick E, Zhang Y (2022) [Cell type-specific mechanism of Setd1a heterozygosity in schizophrenia pathogenesis](#) *Science Advances* 8(9)