

DR. REN CHAO CHEN

Postdoc: 2015-2022



CURRENT POSITION

Application Scientist at Vizgen (Cambridge, MA)

PUBLICATIONS

Chen R, Wu X, Jiang L, and Zhang Y (2017) [Single-Cell RNA-Seq Reveals Hypothalamic Cell Diversity](#). *Cell Reports* 18(13):3227-3241

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

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

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

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)

Zhao Z, Han X, **Chen R**, Liu Y, Bhattacharjee A, Chen W, Zhang Y (2022) [A molecularly defined D1 medium spiny neuron subtype negatively regulates cocaine addiction](#) *Science Advances* 8(32)

Zhang C, **Chen R**, Zhang Y (2022) [Accurate inference of genome-wide spatial expression with iSpatial](#) *Sciences Advances* 8(34)

Liu Y, Zhao Z, Xie G, **Chen R**, Zhang Y (2023) [A molecularly distinct accumbal-to-lateral hypothalamic circuit modulates food seeking and consumption](#) *bioRxiv*