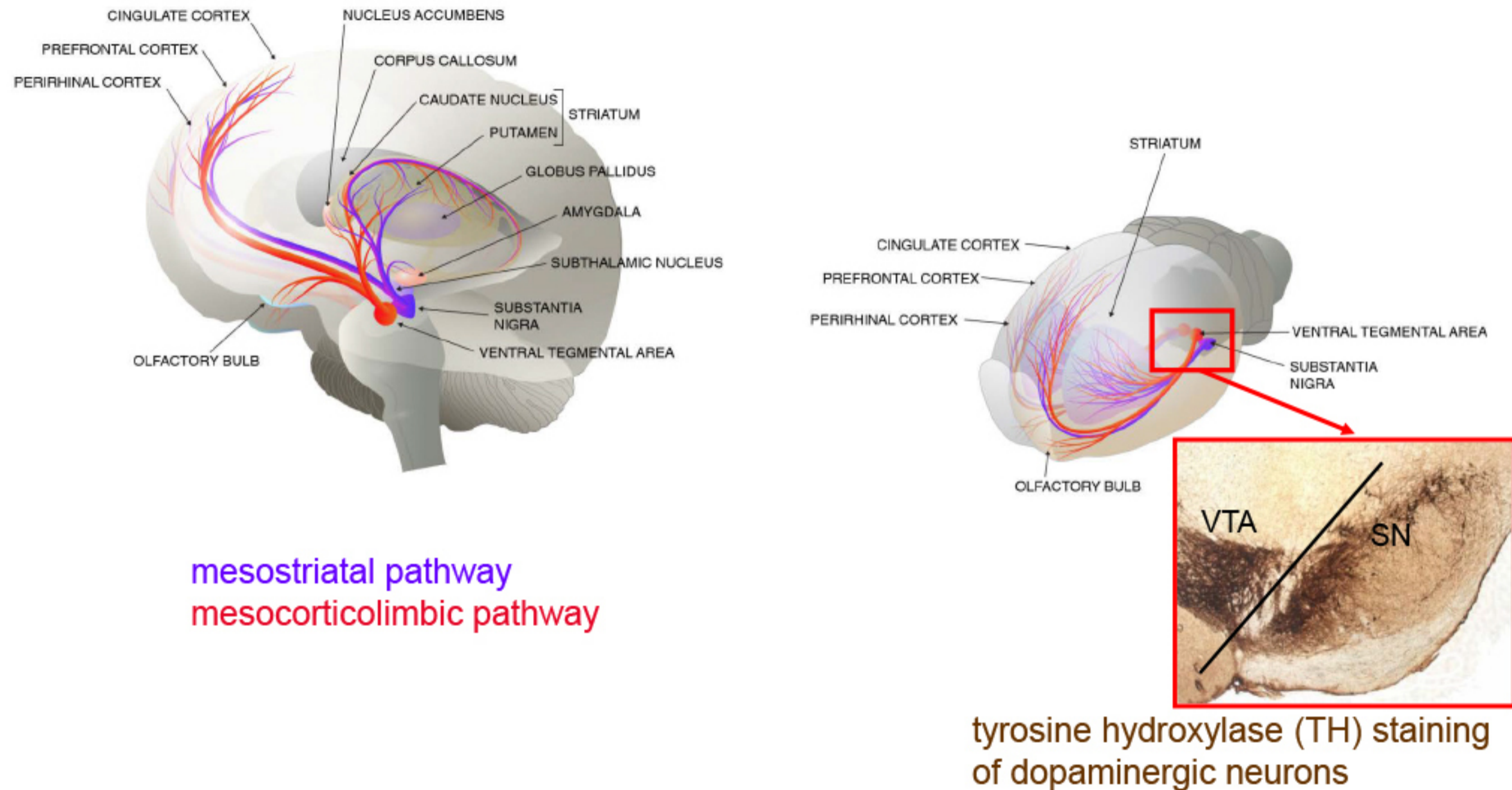


The midbrain dopaminergic system is conserved in humans and mice



Kramer and Liss, 2015

Figure 1. The midbrain dopaminergic system is conserved in humans and mice. The cell bodies of the midbrain dopaminergic neurons that are preferentially dying in PD patients are located in the substantia nigra (SN) pars compacta (cell bodies in the midbrain labeled in blue). They innervate with their axons mainly the dorsal striatum - a subcortical telencephalon region – and make up the mesostriatal pathway. Addiction affects dopaminergic neurons of the ventral tegmental area (VTA) mainly innervate the ventral striatum, cortex, amygdala and olfactory tubercle compacta (cell bodies in the midbrain labeled in red). They form the meocorticolimbic pathway. Dopaminergic neurons of the mouse can be visualized by immunohistochemistry using antibodies against tyrosine hydroxylase (TH).