**Dopamine Receptor D4**: A subtype of dopamine receptors. Dopamine receptors react to dopamine neurotransmitter to modulate its effect in the brain. Dopamine is responsible, among other things, for the regulation of bodily functions such as learning, sleep, mood and voluntary movements. Reduced concentrations of dopamine seem to contribute to ADHD.

Encyclopedia on Early Childhood Development, Glossary-Brain, November 25, 2010 ©2010 Centre of Excellence for Early Childhood Development