**Supplementary File 14. Complementary Factor Analysis results.** We conducted exploratory factor analyses by adding as input the non-decision time parameters of the three tasks (i.e., three variables as input) after controlling for age, and only one factor was extracted (i.e., eigenvalue>1). As can be seen in the table below, this factor (extraction method: Principal Component Analysis, rotation method: none) was consistently positively related to the non-decision time (Ter) of each of the three tasks.

|  |
| --- |
| **Component Matrix** |
| Task\_1\_Ter | 0.824 |
| Task\_2\_Ter | 0.872 |
| Task\_3\_Ter | 0.497 |

Subsequently, we found a significant interaction between age and neurochemical measures in tracking this non-decision time factor derived from factor analysis: IPS glutamate\*age (β=-.28, t(218)=-4.37, PBO<.001, CI=[-.42, -.15]) and IPS GABA\*age: (β=.37, t(220)=6.11, PBO<.001, CI=[.19, .51]) replicating the results in the main text.