

## **An Intersection of Language Acquisition and Cognitive Development. A Novel Framework.**

The current submission introduces a novel framework aiming to explore a potential link between patterns of non-random variation in normal language acquisition and abnormal cognitive phenotypes in humans. More precisely, the proposed framework unites the specific case of variation in normal language acquisition of the so-called referential (R) and expressive (E) styles - and abnormal cognitive phenotypes, namely autism (ASD) and schizophrenia (SZ).

The main thesis of this framework is that while the processes of abnormal cognitive development and normal language acquisition are commonly seen as discrete ones and unrelated, it is possible to approach them from a unified perspective. Such approach

implications for early prediction of these trajectories and defining populations at risk of developing various deficits (ex. dyslexia) early on.

References:

Bates, E., Bretherton, I., & Snyder, L. (1991). *From first words to grammar: Individual differences and dissociable mechanisms*. New York: Cambridge University Press.

Crespi, B. & Badcock, C. (2008). Psychosis and autism as diametrical disorders of the social brain. *Behavioral and Brain Sciences*, 31, 241-261.

Dobrova, G. R. (2009). On variability of language ontogenesis: Referential and expressive strategies of language acquisition. *Questions in Psycholinguistics*, 2009 (9).