Typical & Atypical Cognitive Development

Spring 2019

Unit 3 Reflection

- If the Executive Function (EF) of Updating is strongly related to Working Memory (WM), then what might the components of the brain network sub-serving this EF?
- Try to explain in biopsychological terms the mechanisms that might lead to the reciprocal relations between a repeated engagement in reading activities and an improved Updating-function.
   - Try to integrate into your explanation the learning rule of Hebb and the phenomenon of interactive specialization
- One potential implication for the design of a cognitive training program could be that it should take into account the reciprocal relations between EF and Reading Comprehension (RC). Referring to the Structural Equation Model on slides 18-23, what should be the focus of the EF-training component for 1st graders? What should be the focus of the RC training program for the 2nd graders?

Send your answers to paul.seitlinger@tlu.ee
- with the subject "CogniDev_Reflection3_YourName"
- by 5th of April 2019 the latest.