



The Jacobs Center Research Seminar Series

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Neural mechanisms of task switching in children: Age differences and training-induced plasticity



The ability to flexibly switch between tasks is key for enabling goal-directed behavior and continues to improve across late childhood. This talk will explore how neural mechanisms of sustained (required when tasks are intermixed) and transient control (on trials that require a task switch) differ between adults and children aged between 8-11 years. Additionally, previous research has shown training-in-

duced improvements in task switching across age group and has associated this with changes in frontoparietal activation and connectivity in adults. However, it is still unclear if similar neural mechanisms underlie training-induced changes in children, which I will further explore in this talk.

Friday, October 21, 2022, 10:15 h

The talk will be held at Andreasstrasse 15, 8050 Zurich, AND 4.06 (4th floor)