

NEURO-connect

The Campus Biotech Seminar on Brain Sciences & Neuroengineering

04.03.2025 AT 12H15

Jason Yeatman

From the lab to the classroom and back: The virtuous cycle between education and neuroscience

Educational interventions offer a powerful tool to understand how a child's environment shapes the development of specialized brain circuits for new cognitive functions such as literacy. I will first present a series of intervention studies that highlight the dynamic interplay between white matter plasticity, functional properties of the reading circuitry, and the process of learning to read. I will conclude by introducing an invention from this work – The Rapid Online Assessment of Reading – that is both improving the efficiency of reading assessment in the classroom while, simultaneously, unlocking opportunities to study the mechanisms of learning at an unprecedented scale.

Campus Biotech:
room H8-01-D

Early career researcher?
Sign up to lunch with the speaker (10 spots available)

Would like to discuss more?
Sign up to meet the speaker before/after the talk

Zoom:
Meeting ID: 626 9444 4617
Passcode: 617330

Contact: daphne.bavelier@unige.ch