CBH Graduate School
Université Grenoble Alpes

HEALTH

LABORATORY OF PSYCHOLOGY AND NEUROCOGNITION

UMR 5105

Brain *Cognition* *Behavior* *Cognitive neuroscience* *Computational neuroscience* *Psychology*

KEY FIGURES:

51 permanent researchers and lecturers

19 technical and administrative staff

67 PhD students and postdoctoral researchers

90 publications per year (on average)

27 patents over the last 5 years

OVERVIEW

The *Laboratory of Psychology and NeuroCognition* (LPNC) stands at the crossroads of experimental psychology, cognitive science, cognitive neuroscience, neuropsychology, and cognitive modeling (AI). It has a rich history of multidisciplinary collaborations focused on better understanding cognitive functions (memory, language, vision, emotion, movement, learning) and modeling cognitive processes across the lifespan, from infancy to old age. The lab also studies both typical and atypical development (e.g., autism, dyslexia, dyspraxia).

RESEARCH TOPICS

- **Body representation and sense of movement. Sensorimotor adaptation and spatial perception. Representation of verticality.**
- **Role of sensory experience in cognitive development. Cognitive and procedural learning. Self-regulation processes in development and learning.**
- **Language: social function of communication. Speech segmentation. Oral and written language development. Cognition: reading acquisition, aging, neurodegenerative diseases. Inner speech, dialogical thinking, agency, autonoesis. Language in interaction. Lexical association and self-esteem.**
- **Memory: mnesis (memory processes per se), epimnesis (reflective processes such as metacognition).**
- **Vision and emotion: visual sensory input. Active vision and eye movements. Proactive vision and emotional experience. Perceptual awareness and metacognition.**

https://lpnc.univ-grenoble-alpes.fr/fr?lang=en