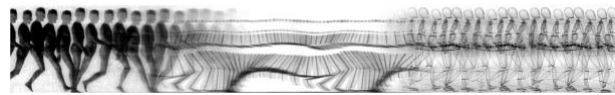
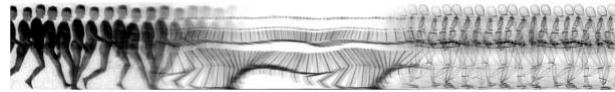


Post-doctoral position in Cognitive Neuroscience

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| Job title | Post-doc position |
| Contract duration (months) | 2 years (1+1) |
| Qualifications (Master degree, PhD...) | PhD |
| Job hours (full time/ part time) | Full time |
| Employer | University of Bourgogne |
| Host Laboratory | INSERM U1093 Cognition, Action and Sensorimotor Plasticity |
| URL Host Laboratory | https://u1093.u-bourgogne.fr/en/ |
| Address Host Laboratory | Laboratoire INSERM U1093 Université de Bourgogne Faculté des Sciences du Sport (UFR STAPS) BP 27877 21078 Dijon |
| Project description | <p>The LAMI project explores the link between language and motor imagery in order to exploit this link and improve performance within these two cognitive systems. Indeed, a better understanding of these two systems would enable us to propose “cross-system” training programs that would strengthen behavioral performance in one system via the other. We have assembled a research team across two labs, uniting the theoretical and methodological expertise required to address the three aims of this project:</p> <p>1) To explore the possibility of a bi-directional link between action language and motor imagery as well as the existence of common/shared representations between the two systems.</p> |



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| | <p>2) To characterize these links between the two cognitive systems at an anatomical-functional level, allowing us to induce plasticity in the cognitive networks and improve behavioral performance in language and motor learning.</p> <p>3) To propose training programs that exploit these links, notably to improve language comprehension through motor imagery training, and to improve motor performance through language training.</p> |
| Funding | French Research Agency: ANR research project LAMI (ANR-22-CE28-0026) |
| Job description | <p>The postdoc will design and conduct experiments, including the acquisition and analysis of behavioral (reaction time, motor performance, language comprehension) and neurophysiological data (transcranial magnetic stimulation) as well as diffusion of the results (article writing, presentations, etc.). The postdoc will also engage in theoretical and methodological work on the links between language comprehension, motor learning, and motor imagery.</p> |
| Supervisor(s) | Pr. Florent Lebon and Dr. Carol Madden-Lombardi |
| Candidate profile | <p>The candidate should have a PhD degree or equivalent level in movement science, cognitive/behavioral neuroscience, or cognitive/behavioral psychology. Experience with any of the following will be particularly appreciated: covert actions, motor learning, transcranial magnetic stimulation, data processing, programming (matlab, python...), advanced statistics. A strong interest in motor imagery and/or embodied language is paramount.</p> |
| Keywords | Motor imagery, Embodied Language, TMS, Motor Learning |
| Application deadline | December 31 st 2023 |
| Starting Job | Between January and June 2024 |



Application

Please send the following documents (all in one PDF file) by e-mail to florent.lebon@u-bourgogne.fr and carol.madden-lombardi@u-bourgogne.fr :

- 1) For EU candidates: Copy of your national ID card or of your passport photo page.
For non-EU candidates: Copy of your passport photo page.
- 2) Curriculum Vitae (may include hyperlinks to your ResearchID, Research Gate, and/or Google Scholar accounts).
- 3) Detailed list of publications (may include hyperlinks to DOI of publications).
- 4) Letter of motivation relative to the position (Cover Letter) in which applicants describe themselves and their contributions to previous research projects (maximum 2 pages).
- 5) Copy of your PhD degree if already available.
- 6) Coordinates of reference persons (maximum 3, at least your PhD thesis supervisor):
Title, Name, organization, e-mail.

If you have questions regarding the application, please contact the supervisors.