

**Aix-Marseille University / Institute of Movement Sciences E.J. Marey
(Marseille, France)**

Join one of the leading universities in France, with more than 80,000 students and 10,000 international students.

Aix-Marseille University (AMU) is home to 12 Doctoral schools and 122 research facilities across 5 big campuses spread in Southern France. These figures combine with a Gender Equality Plan, the Human Resources Strategy for Researchers (HRS4R) label of the European Commission, and a well-established administrative and human resources support to research and innovation projects.

The Institute of Movement Sciences (ISM), a multidisciplinary Joint Research Unit (UMR 7287), under the co-administration of Aix-Marseille University and the French National Centre for Scientific Research (CNRS), is **seeking to fill two full-time positions** of a:

Doctoral Research Associate

EU MSCA Fellow

(salary level E 13 – gross salary 3400€-3 900€ + family allowance if eligible)

for the EU-funded Marie Skłodowska-Curie Actions (MSCA) Doctoral Network [“Translational Research Network in Motor Disorder Rehabilitation: Advancing understanding of variability in motor control and learning, to enhance clinical practice \(TReND\)”](#), starting **October 2024**. We are offering a fixed-term full-time PhD position for 3 years under the co-supervision of Dr. Rita Sleimen-Malkoun and Prof. Jean-Jacques Temprado.

Your tasks:

- *Investigating how the structure of behavioural and physiological variability relates to training outcomes on cognition, motor control and their interactions.*
- *Measuring and analysing physiological and behavioural variability in different populations (healthy younger and older adults, and clinical populations).*
- *The implementation of multimodal training programs including physical, cognitive, and mental stimulations.*
- *Communication and dissemination of research results to different target audiences and sectors (e.g., research, clinical, and industry).*
- *Publication of research results in internationally recognized journals and conferences.*
- *Collaboration with an international consortium in the externally funded MSCA doctoral network.*
- *Participation in the network’s training programme including in person events (e.g., summer schools) and online events (e.g., lecture series, colloquia etc.).*
- *The position is tied to working towards a doctorate.*

Our expectations:

- *A graduate (Master’s) degree in Sport and Exercise Science, or in Human Movement Science, or in Cognitive Science, or in Neuroscience, or in Biomedical Engineering, or related studies is required.*
- *MSCA mobility rule must be implemented: candidates must not have resided or carried out their main activity (work, studies, etc.) in France for more than 12 months in the 36 months immediately before their date of recruitment (October 1st, 2024).*
- *Candidates are not allowed to hold a doctoral degree.*

- *Solid knowledge in human movement analysis, or neuroscience methods (EEG or EMG).*
- *Programming skills for data processing and analysis (e.g., R, MATLAB).*
- *Good knowledge of statistical methods.*
- *Good command of written and spoken English.*
- *Basic French knowledge and the willingness to learn the language.*
- *Willingness to visit network partners in Germany, and the Netherlands (maximum duration: three months visit).*
- *Willingness to travel to different international network events.*

Desirable:

- *Basic or advanced knowledge of time-series analysis and non-linear methods.*
- *Previous experience in working with human participants.*
- *Previous experience in aging research.*
- *Good communication and organisation skills, self-reliance, and team orientation.*

Advantages for you:

By joining the EU-funded Doctoral Network TRend you will join an interdisciplinary and intersectoral training network involving 6 beneficiaries, 2 employing associated partners and several associated partners. The network will provide online and in-person training to support the fellows in obtaining their doctorate degree including 2 secondments to consortium partners.

Recruitment process

- Please note that the other network partners will also be involved in the selection process and that your documents will be passed on to the other members of the MSCA doctoral network in this context. In addition to the two positions offered here, 10 more doctoral projects are available in the TRend network (overview of projects can be found [here](#)).
- The following documents must be included in the application:
 - o Motivation letter in English (max. 2 pages)
 - o CV in English (preferably in EU pass format) that should include details about education, qualifications, work experience, language and other relevant skills.
 - o Bachelor's and Master's degree certificate including a Transcript of records (if documents are not in English or French please provide an official translation).
 - o Any other document the candidate considers important.
 - o Please provide all your documents in one PDF file.
- The applications will be evaluated by the TRend selection committee and suitable candidates will be invited for online interviews.

We strongly support equal opportunity and diversity. We welcome all applicants regardless of sex, nationality, ethnic or social background, religion or worldview, disability, age, sexual orientation, or gender identity.

Are you interested? Then we look forward to receiving your **application as one PDF file by May 20th, 2024 to rita.sleimen-malkoun@univ-amu.fr**. Please note that we cannot consider other file formats.

Statement regarding data protection: *Any shared information will be for the sole purpose of assessing the requirements for the selection process regarding the present fellow positions. We comply with our obligations under data protection laws while processing your application, particularly the EU General Data Protection Regulation (GDPR) 2016/679. Your data will not be disclosed to any third party. You have the right to obtain without undue delay: the rectification of inaccurate personal data concerning you (art. 16 of the GDPR); the erasure of personal data concerning you (art. 16 of the GDPR); right to obtain restriction of processing (art. 18 of the GDPR). By submitting your application, you agree to these terms.*