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Marie Skłodowska-Curie Actions

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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Thomas Similowski
Supervisor page	https://fc.sorbonne-universite.fr/corps_enseignant/thomas-similowski/
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Relations between the nervous system and the respiratory system https://sante.sorbonne-universite.fr/en/structures-de-recherche/relations-between-nervous-system-and-respiratory-system
Research Team	Cerebral Cortex and Respiration https://sante.sorbonne-universite.fr/en/structures-de-recherche/relations-between-nervous-system-and-respiratory-system

Project Title

Interfering with brain mechanisms to relieve dyspnea/ breathlessness.

Project Description

Dyspnea is the upsetting or distressing awareness of breathing. It is the common denominator of respiratory, cardiac, or neuromuscular diseases. When dyspnea persists in spite of etiopathogenic treatments, interventions interfering with the brain mechanisms of dyspnea become necessary. The proposed project aims to evaluate the efficacy of repetitive transcranial magnetic stimulation of the limbic cortex, alone or combined with virtual reality, to alleviate persistent dyspnea.

Keywords

respiratory diseases, dyspnea, cerebral cortex

Description of the Host Research Lab

The laboratory is dedicated to the study of relations between the nervous system and the respiratory system ("respiratory neurophysiology"). It mobilizes biological, histological, physiological, pharmacological, clinical and psychophysiological approaches, with an extensive use of biomathematics and modeling. Its research is highly translational, its close articulation with the department R3S of GH Pitié-Salpêtrière allowing bidirectional interactions between animal research and human research.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr