

Raphael Vallat

Curriculum Vitae

46 rue de Cuire

Lyon, France

☎ (+33) 6.67.93.45.50

✉ raphael.vallat@inserm.fr

Driving licence



Education and diploma

PhD student in Cognitive Neuroscience since October 2014

Lyon Neuroscience Research Center (CRNL)

Elected representative of the non-permanent members in CRNL council

Teaching in Neuroscience since October 2014 (Lyon 1 University)

Preparatory class, 1st year, 75 h - *Neurobiology*

License of Biology, 2nd year, 70 h - *Neurobiology*

Medicine, 1st year, 50 h - *Social science*

Education

2012–14 Master degree in Neuroscience *cum laude*, Lyon 1 University

2009–12 Bachelor degree of Cognitive Sciences *summa cum laude*, Lyon 2 University - ranked 1st (awarded a merit scholarship)

2009–12 Scientific baccalaureate with honors, François Mauriac High school

Publications

Articles

2017 **Vallat R.**, Lajnef T., Berthomier C., Eichenlaub J-B., Jerbi K., Morlet D. & Ruby P. Increased evoked potentials to arousing auditory stimuli during sleep: implication for the understanding of dream recall. (*submitted*)

Vallat R., Chatard B., Blagrove M. & Ruby P. Characteristics of the memory sources of dreams: a new paradigm to take mundane and remote memories into account. (*submitted*)

Vallat R., Meunier D., Turker B., Nicolas A. & Ruby P. Sleep inertia and functional connectivity between brain regions at awakening: an EEG-fMRI study (*in preparation*)

Ruby P., Chatard B., **Vallat R.**, Hoyer R. & Bidet-Caulet A. Top-down and bottom-up attentional processes in high and low dream recallers: an EEG study (*in preparation*)

Plailly J., Villalba M., **Vallat R.**, Nicolas A. & Ruby P. Recalling a dream related to a recent experience: does it help episodic memory consolidation? (*in preparation*)

Oral presentations and posters

2016 **Vallat R.**, Meunier D., Turker B., Nicolas A & Ruby P. Sleep inertia and functional connectivity between brain regions at awakening: an EEG-fMRI study. *Poster/abstract for ESRS conference (Italy) and FENS conference (Denmark)*

Vallat R., Meunier D., Turker B., Nicolas A & Ruby P. Sleep inertia and functional connectivity between brain regions at awakening: an EEG-fMRI study. *Oral presentation for IASD conference (Netherlands)*

2015 **Vallat R.**, Eichenlaub J-B., Morlet D. & Ruby P. Macro and micro structure of sleep in high and low dream recallers. *Oral Presentation for NPSA conference (Netherlands) and IASD conference (USA)*

Vallat R., Eichenlaub J-B., Morlet D. & Ruby P. Macro and micro structure of sleep in high and low dream recallers. *Poster/abstract for ASSC conference (France)*

2014 **Vallat R.**, Eichenlaub J-B., Morlet D. & Ruby P. Macro and micro structure of sleep in high and low dream recallers. *Oral presentation for IASD conference (USA)*

Vallat R., Eichenlaub J-B., Morlet D. & Ruby P. Macro et micro-structure du sommeil des grands et des petits rapporteurs de rêve. *Poster/abstract for Le Congrès du Sommeil conference (France)*

Skills

Computer

Advanced MATLAB, SPM, CONN Toolbox, Microsoft Office, Python
Intermediate L^AT_EX, FSL, HTML, Shell, R, Presentation

Neuroscience

Methodology Polysomnography, sleep and dream studies, combined EEG-fMRI, resting-state fMRI, behavioural studies
Analysis Sleep scoring, EEG/ERP, fMRI, functional connectivity, dream content analysis

Formations

2016 fMRI course (3 days) organized by the Neuroscience and Cognition Doctoral School, Lyon, FR
2015 Second Brain Connectivity course (4 days) organized by the Grenoble Institute of Neuroscience, FR
2014 EEG-fMRI workshop (2 days) organized by Brain Products GmbH, Lyon, FR

Science popularization

2016 Organizer of the Doctoral Day of the Lyon Federative Research Structure in Health
2015 Invited oral presenter for a general public conference on sleep and dreams (1h, at Lyon town hall)
Organizer of a thematic week on neuroscience for 6 high-school students
Organizer and chairman of "Les Saisons du CRNL" conference on neurosciences and society

Languages

French Mother tongue
English Advanced level, both written and oral
Italian Beginner level

Interests and Activities

Music Guitar and bass (10 years, self-learner), composition
Sports Swimming (10 years in club), martial arts, ski, hiking
Volunteering Organization of social events for the students of CRNL

List of referees

Center director: Olivier Bertrand (olivier.bertrand@inserm.fr)
PhD supervisor: Perrine Ruby (perrine.ruby@inserm.fr)