Leon Cyro Reteig, MSc

PhD student, University of Amsterdam
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Employment

PhD Student, University of Amsterdam 2014-Present
Topic: Enhancing attention through electrical brain stimulation

Teaching assistant, University of Amsterdam 2014

Research assistant, University of Amsterdam 2013-2014

Education

MSc Brain & Cognitive Sciences, University of Amsterdam (cum laude) 2011-2014
Track: Cognitive Neuroscience

Exchange program, University of Toronto (1 semester) 2010-2011
Courses: philosophy of mind, neuroscience, psycholinguistics

BSc Liberal Arts & Sciences, University of Amsterdam (cum laude) 2007-2011
Majors: Psychobiology, Philosophy

Research

I am a PhD student in the Cognition and Plasticity lab of Heleen Slagter, funded by an NWO Research Talent grant. My research focuses on improving various forms of attention (but mostly spatial attention) through transcranial Direct Current Stimulation (tDCS). I also have experience with EEG, eye tracking, and psychophysics.

Teaching

Course coordination

Responsible for all aspects of teaching, including course design, lectures/tutorials, and assessment.

Introduction to Programming (4 weeks, ~40 students)
MATLAB for 3rd-year BSc Psychology students with no prior experience

Psychophysiological Experimentation (4 weeks, ~40 students)
Introduction to measurement and analysis of EEG for 3rd-year BSc Psychology students

Supervision

Extensive experience with supervision of Bachelor- (11 students) and Master-level (5 students) written theses and research internships.

Publications

Reteig LC, Knapen T, Roelofs FJFW, Ridderinkhof KR, Slagter, HA (submitted). No evidence that frontal eye field tDCS affects latency or accuracy of prosaccades. *bioRxiv* 351304. doi: 10.1101/351304

Alilović J, Timmermans B, **Reteig LC**, van Gaal S, Slagter HA (submitted). No evidence that predictions and attention modulate the first feedforward sweep of cortical information processing. *bioRxiv* 351965. doi: 10.1101/351965

van Schouwenburg MR, Sörensen LKA, de Klerk R, **Reteig LC**, Slagter HA (2018). No differential effects of two different alpha-band electrical stimulation protocols over fronto-parietal regions on spatial attention. *Frontiers in Neuroscience* 12:433. doi: 10.3389/fnins.2018.00433

Reteig LC, Talsma LJ, van Schouwenburg MR, Slagter HA (2017). Transcranial electrical stimulation as a tool to enhance attention. *Journal of Cognitive Enhancement*, *1*, 10-25. doi: 10.1007/s41465-017-0010-y

Slagter HA, Mazaheri A, **Reteig LC**, Smolders R, Figee M, Mantione M, ... & Denys D (2017). Contributions of the ventral striatum to conscious perception: An intracranial EEG study of the attentional blink. *Journal of Neuroscience*, *37*, 1081-1089. doi: 10.1523/JNEUROSCI.2282-16.2016

Slagter HA, Prinssen S, **Reteig LC**, Mazaheri A (2016). Facilitation and inhibition in attention: functional dissociation of pre-stimulus alpha activity, P1, and N1 components. *Neuroimage*, *125*, 25-35. doi: 10.1016/j.neuroimage.2015.09.058

Conference presentations

Dutch Psychonomic Society (NVP), Egmond aan Zee, The Netherlands 2017, 2015
Poster: Electrical stimulation over the dorsolateral prefrontal cortex during an attentional blink task: ERP and behavioral effects
Poster: Sustaining attention for a prolonged period of time decreases attentional control and stability: neural and behavioral evidence

International Conference for Cognitive Neuroscience (ICON), Amsterdam, The Netherlands 2017
Poster: Does transcranial direct current stimulation of the frontal eye field affect oculomotor control?

Vision Sciences Society (VSS), Florida, USA 2017
Poster: Transcranial direct current stimulation of the right frontal eye field to affect saccade execution

EPOS Attention Workshop, Amsterdam, The Netherlands 2016
Poster: Transcranial direct current stimulation of the right frontal eye field to modulate eye movement control

Society for Neuroscience (SfN), Chicago, USA 2015 Poster: Transcranial direct current stimulation over left dorsolateral prefrontal cortex modulates the attentional blink

Grants

NWO research talent grant (€168.000, funding for current PhD project)

Professional activities

Reviews

Reviewer for *European Journal of Neuroscience*, *Frontiers in Neuroscience*, *Scientific Reports*.

Organization

Co-organize weekly meetings at the department (~50 attendees)	2016-2018
Co-organized EPOS graduate school "PhD student day" (~30 attendees) Social event for nation-wide network of psychology PhD students	2017
Co-organized two-day retreat for the department (~50 attendees)	2017

Skills

Programming

MATLAB (advanced)
R (intermediate)
Presentation (intermediate)
Python (beginner)
Bash (beginner)

Software

Microsoft Office
Adobe Creative Suite
Git, GitHub

Languages

Dutch (native)
English (professional)
German (basic)