

# Leon Cyro Reteig, MSc

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PhD student, University of Amsterdam  
Department of Psychology · Nieuwe Achtergracht 129 · Amsterdam, NL  
✉ [l.c.reteig@uva.nl](mailto:l.c.reteig@uva.nl) 🌐 [lcreteig.github.io](https://lcreteig.github.io) | Updated: September 5, 2018

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## Employment

<i>PhD Student, University of Amsterdam</i>	2014-Present
Topic: Enhancing attention through electrical brain stimulation	
<i>Teaching assistant, University of Amsterdam</i>	2014
<i>Research assistant, University of Amsterdam</i>	2013-2014

## Education

<i>MSc Brain &amp; Cognitive Sciences, University of Amsterdam (cum laude)</i>	2011-2014
Track: Cognitive Neuroscience	
<i>Exchange program, University of Toronto (1 semester)</i>	2010-2011
Courses: philosophy of mind, neuroscience, psycholinguistics	
<i>BSc Liberal Arts &amp; Sciences, University of Amsterdam (cum laude)</i>	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 (2018). No evidence that frontal eye field tDCS affects latency or accuracy of prosaccades. *Front. Neurosci.* 12:617. doi: [10.3389/fnins.2018.00617](https://doi.org/10.3389/fnins.2018.00617)

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](https://doi.org/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](https://doi.org/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](https://doi.org/10.1007/s41465-017-0010-y)

Slagter HA, Mazaheri A, **Reteig LC**, Smolders R, Figeer 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](https://doi.org/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](https://doi.org/10.1016/j.neuroimage.2015.09.058)

## Conference presentations

Workshop [Brain stimulation and its applications to memory: best practice](#), Birmingham, UK 2018  
Invited talk: Transcranial electrical stimulation as a tool to enhance attention

*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)	2017
Social event for nation-wide network of psychology PhD students	
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)