

Curriculum Vitae

Name: Stephen Brendan Ronald Erik Brown
Date of birth: February 23rd, 1985
Nationality: Dutch
Languages: Dutch, English, German, French
Website: <http://www.sbrebrown.com>

EDUCATION:

- Doctorate in Cognitive Psychology, through dissertation *A neuromodulatory basis for exploitative versus explorative behavior in humans*, advisors profs. S. Nieuwenhuis and B. Hommel, Leiden University 2015
- Master of Science degree in Psychology (cum laude/with honours, major Developmental Psychology, minor Psychonomics), University of Amsterdam 2008
- Bachelor of Science degree in Developmental Psychology, University of Amsterdam (cum laude/with honours) 2006
- Propedeuse (first-year diploma) in Psychology, University of Amsterdam (“met genoegen/with merit”) 2004
- Pre-university secondary school (Atheneum), Werenfridus, Hoorn 2003

PUBLICATIONS:

- Hommel, B., **Brown**, S.B.R.E., & Nattkemper, D. (2016). *Human action control: From intentions to movements*. New York: Springer.
- Tona, K.-D., Murphy, P.R., **Brown**, S.B.R.E., & Nieuwenhuis, S. (2016). The accessory stimulus effect is mediated by phasic arousal: A pupillometry study. *Psychophysiology*, *53*, 1108-1113.
- Naber, M., **Brown**, S.B.R.E., Vedder, A., & Nieuwenhuis, S. (2016). Speed and lateral inhibition of stimulus processing contribute to individual differences in Stroop-task performance. *Frontiers in Psychology*, *7*:822.
- **Brown**, S.B.R.E., van der Wee, N.J.A., van Noorden, M.S., Giltay, E.J., & Nieuwenhuis, S. (2015). Noradrenergic and cholinergic modulation of late ERP responses to deviant stimuli. *Psychophysiology*, *52*, 1620-1631.
- **Brown**, S.B.R.E., Slagter, H.A., van Noorden, M.S., Giltay, E.J., van der Wee, N.J.A., & Nieuwenhuis, S. (2015). Effects of clonidine and scopolamine on multiple target detection in rapid serial visual presentation. *Psychopharmacology*, *233*, 341-350.
- de Rover, M., **Brown**, S.B.R.E., Band, G.P.H., Giltay, E.J., van Noorden, M.S., van der Wee, N.J.A., & Nieuwenhuis, S. (2015). Beta receptor-mediated modulation of the oddball P3 but not error-related ERP components in humans. *Psychopharmacology*, *232*, 3161-3172.
- **Brown**, S.B.R.E., Tona, K.-D., van Noorden, M. S., Giltay, E. J., & van der Wee, N.J.A. (2015). Noradrenergic and cholinergic effects on speed and sensitivity measures of phasic alerting. *Behavioral Neuroscience*, *129*, 42-49.
- **Brown**, S.B.R.E., van Steenbergen, H., Kedar, T., & Nieuwenhuis, S.

(2014). Effects of arousal on cognitive control: Empirical tests of the conflict-modulated Hebbian learning hypothesis. *Frontiers in Human Neuroscience*, 8:23.

- de Rover, M., **Brown**, S.B.R.E., Boot, N., Hajcak, G., van Noorden, M.S., van der Wee, N.J., & Nieuwenhuis, S. (2012). Beta receptor-mediated modulation of the late positive potential in humans. *Psychopharmacology*, 219, 971-979.
- **Brown**, S.B.R.E., van Steenbergen, H., Band, G.P.H., de Rover, M., & Nieuwenhuis, S. (2012). Functional significance of the emotion-related late positive potential. *Frontiers in Human Neuroscience*, 6:33.

WORK EXPERIENCE (NON-TEACHING):

- Post-doctoral fellow at Leiden University (advisor prof J. Brosschot) 2015-current
- PhD student at Leiden University (advisors profs. S. Nieuwenhuis and B. Hommel) 2009-2014
- Programmer (MATLAB®, E-Prime) for research support at Leiden University 2014-2015
- Coordinator of pharmacological challenge EEG-lab, Leiden University Medical Centre 2011-2015
- Editor annual report Leiden Institute for Brain and Cognition 2011-2014
- Chairman PhD student association of Leiden University (Leids Promovendi Overleg) 2011-2012
- Board member Netherlands Society for Psychonomics (Nederlandse Vereniging voor Psychonomie) 2011-2014
- Secretarial manager national graduate school EPOS (“Experimenteel-Psychologische OnderzoeksSchool”). 2009

TEACHING EXPERIENCE:

- Senior instructor Cognitive Neuroscience-track of the course “Theme 1: The Acting Human” for first-year interdisciplinary “beta-gamma”-students, coordination dr. Machiel Keestra, University of Amsterdam 2016
- Coordinator and lecturer of the course Cognition for first-year interdisciplinary “beta-gamma”-students, University of Amsterdam 2015-2016
- Guest lectures on psychopharmacology and cognitive effects on meditation in the course Human Potential for Applied Cognitive Psychology Master’s students, coordination dr. Guido Band, Leiden University 2013-2014
- Coordinator and lecturer of the course Pharmacology of Cognition in the interdisciplinary Brain and Cognition-minor of the Leiden Institute for Brain and Cognition, Leiden University 2013-2014
- EEG practical for Linguistics students, Leiden University 2012
- Supervised tutorials and gave lectures in the course Cognitive Neuroscience for second-/third-year Psychology students, Leiden University. 2010-2015
- Taught academic writing and presentation skills to first-year students Psychology, Leiden University 2009-2014
- Taught advanced academic writing skills to second-year Psychology students, University of Amsterdam 2009

- Taught basic academic writing skills to first-year Psychology students, University of Amsterdam 2008/2009
- Designed and corrected examination for the third-year undergraduate Psychology course Emotional Development of prof. M. W. van der Molen, University of Amsterdam 2008
- Designed and taught tutorials for third-year undergraduate Developmental Psychology students, University of Amsterdam 2008

ORAL CONFERENCE PRESENTATIONS:

- **Brown, S.B.R.E.**, van Steenbergen, H., Kedar, T., & Nieuwenhuis, S.. Effects of arousal on cognitive control: Empirical tests of the conflict-modulated Hebbian learning hypothesis. Nederlandse Vereniging voor Psychonomie, Egmond aan Zee 20 Dec, 2013
- **Brown, S.B.R.E.**, van der Wee, N.J.A., van Noorden, M.S., Giltay, E.J., & Nieuwenhuis, S.. Noradrenergic and cholinergic modulation of late ERP responses to deviant stimuli. Nederlandse Vereniging voor Psychonomie, Egmond aan Zee 19 Dec 2015

INVITED LECTURES:

- *How drugs can be used to attain our potential* (“*Hoe farmaca kunnen worden gebruikt om ons potentieel te bereiken*”), Liemers College, Zevenaar 20 Nov, 2014
- *How drugs can be used to attain our potential* (“*Hoe farmaca kunnen worden gebruikt om ons potentieel te bereiken*”), Mensa, Elspeet 25 Oct, 2014
- *Functional imaging of the locus coeruleus*, Frontiers of Science-course for Master’s Biomedical Science students, Leiden University 23 June, 2011
- *The motivated neuron: The neural basis of decision-making* (“*Het gemotiveerde neuron – de neurale basis van beslissingen nemen*”), Hearts and Minds Symposium for the 435th jubilee of Leiden University 26 May, 2009

ADDITIONAL EDUCATION:

- University Teaching Qualification (“Basiskwalificatie Onderwijs, BKO”), University of Amsterdam 2016
- EPOS Toolkit *Computational Modelling* (Free University Amsterdam) 2012
- Course *Statistical Parametric Mapping (SPM)* (University College London, Institute of Neurology) 2011
- Course *fMRI/FSL* (Leiden University, coordination prof SA.R.B. Rombouts) 2010
- Course *Programming in E-Prime* (Leiden University, coordination R.G. Verdonschot, M.Sc.) 2009

GRANTS AND ACCOLADES:

- Leiden University Fund/Den Dulk-Moermans Fund: received €25,000 grant for project *Non-metabolically reduced heart rate variability as an indicator of stressful cognition without awareness*. 21 June, 2016
- Leiden University Scientific Blog Award for [Why we are doomed when](#) 20 Oct, 2015

[handwriting disappears](#) (on the neurocognitive benefits of handwriting).

PROGRAMMING SKILLS:

- MATLAB (working knowledge of R)
- E-Prime and E-Basic