

## Andrew Jahn

### PROFESSIONAL EXPERIENCE

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- 2015 - Present      **Postdoctoral Fellow:** Haskins Laboratories, Yale University
- 2012 - Present      **Independent Consultant**
- Neuroimaging advisor (VBM, DTI, and fMRI data analysis) for **University of Antwerp 2016 –Present**
  - Neuroimaging advisor (fMRI data analysis) for **McLean Hospital, Harvard Medical School 2014**
  - Neuroimaging advisor (fMRI experiment design) for **Ohio State University 2014**
  - Neuroimaging advisor (PET data analysis) for **Michigan State University 2013**
  - fMRI private instructor: Teaching and data analysis consultation via Skype for graduate students and researchers *2012 - Present*

### EDUCATION

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- 2015                      **Ph.D.**, Cognitive Neuroscience: Indiana University, IN  
2008                      **B.A.**, Psychology: Carleton College

### PUBLICATIONS

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1. **Jahn A**, Nee DE, Alexander WH, Brown JW (2016) Distinct regions in medial prefrontal cortex process pain and cognition. *J Neurosci* 36:12385-92
2. de Mendizabal NV, Jones DR, **Jahn A**, Bies RR, Brown JW (2015). Nicotine and cotinine exposure from electronic cigarettes: A population approach. *Clinical Pharmacokinetics* 54: 615-626
3. **Jahn A**, Nee DE, Alexander WH, Brown JW (2014) Distinct regions of anterior cingulate cortex signal prediction and outcome evaluation. *Neuroimage* 95:80-89
4. Nee DE, **Jahn A**, Brown JW (2014) Prefrontal Cortex Organization: Dissociating Effects of Temporal Abstraction, Relational Abstraction, and Integration with fMRI. *Cerebral Cortex* 24:2377-87
5. **Jahn A**, Nee DE, Brown JW (2011) The neural basis of predicting the outcomes of imagined actions. *Frontiers in Decision Neuroscience* 5:128
6. Cunningham WA, Johnsen IR, **Jahn A** (2011) Attitudes. In J. Decety & J. Cacioppo (Eds.), *The Handbook*

of Social Neuroscience. Oxford, UK: Oxford University Press

7. Mowrer SM, **Jahn A**, Cunningham WA, Abduljalil AM (2011) The value of success: Acquiring gains, avoiding losses, and simply being successful. *PLoS One* 6:9
8. Cunningham WA, Arbuckle NL, **Jahn A**, Mowrer SM, Abduljalil AM (2010) Aspects of neuroticism and the amygdala: Chronic tuning from motivational styles. *Neuropsychologia* 49:657-662
9. **Jahn A**, Matsuki K, Molfese PJ, Van Dyke JA (under revision at *JEP: General*) Individual differences in white matter tractography: A random forests analysis
10. Johns CL, **Jahn A**, Jones HR, Kush D, Molfese PJ, Van Dyke JA, Magnuson JS, Tabor W, Mencl WE, Shankweiler DP, Braze D (under revision at *Brain and Language*). Performance differences on reading skill measures are related to differences in cortical grey matter structure in young adults
11. Rajesh A, Cooke GE, Monti JM, **Jahn A**, Daugherty AM, Kramer AF (under revision at *Journal of Neurotrauma*) Differences in brain architecture in remote mild traumatic brain injury
12. **Jahn A**, Jones HR, Johns CL, Kush D, Bontrager ML, Frost SJ, Van Dyke JA (in prep) Neural basis of conflict resolution in encoding and retrieval interference

## PRESENTATIONS & INVITED TALKS

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- 2017 **Jahn A**. Distinct regions within medial prefrontal cortex process pain and cognition. Talk presented at: National Institutes of Health, 30 March. Bethesda, MD.
- 2016 **Jahn A**, Nee DE, Alexander WH, Brown JW. Distinct regions within medial prefrontal cortex process pain and cognition. Poster to be presented at: Annual Meeting of The Society for Neuroscience; Nov 2016; San Diego, CA
- 2015 **Jahn A**, Jones H, Johns CL, Kush D, Bontrager ML, Frost SJ, Van Dyke JA. Neural basis of conflict resolution in encoding and retrieval interference. Poster presented at: Annual Meeting of Society for Neurobiology of Language; Oct 2015; Chicago, IL
- 2014 **Jahn A**, Strait C, Brown JW, Hayden B. Testing computational models of anterior cingulate cortex with monkey single units. Poster presented at: Annual Meeting of The Society for Neuroscience; November 2014; Washington, D.C.
- 2014 **Jahn A**, Nee DE, Alexander WH, Brown JW. Medial prefrontal cortex signals prediction errors across multiple domains of pain and cognitive control. Poster presented at: Annual Meeting of The Society for Neuroscience; November 2014; Washington, D.C.

- 2013 **Jahn A**, Nee DE, Alexander W, Brown JW. Distinct regions of anterior cingulate cortex signal prediction and outcome evaluation. Poster presented at: Annual Meeting of The Society for Neuroscience; November 2013; San Diego, CA
- 2013 **Jahn A**. Empirical comparison of computational models of mPFC function. Talk presented at: University of Rochester, 21 July. Rochester, NY
- 2013 **Jahn A**, Nee DE, Alexander W, Brown JW. pain, congruency, and surprise: Prediction violation across domains in the anterior cingulate cortex. Poster presented at: Annual Meeting Cognitive Neuroscience Society; April 2013; San Francisco, CA
- 2012 **Jahn A**, Nee DE, Alexander W, Brown JW. Distinct regions of anterior cingulate cortex signal prediction and outcome evaluation. Poster presented at: Annual Meeting of The Cognitive Neuroscience Society; April 2012; Chicago, IL
- 2011 **Jahn A**, Nee DE, Brown JW. The neural basis of predicting the outcomes of planned actions. Poster presented at: The Annual Meeting of The Society for Neuroscience; November, 2011; Washington, D.C.
- 2010 Mowrer SM, **Jahn A**, Cunningham WA, Abduljalil AM. Separable effects of stimulus and outcome evaluation and their interaction. Poster presented at: Annual Meeting of Social and Affective Neuroscience; October 2010; Chicago, IL

## TEACHING

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### Web-Based, Open-Access

- 2012 - Present Creator of Andy's Brain Blog ([www.andysbrainblog.com](http://www.andysbrainblog.com))
- YouTube tutorials for fMRI data analysis in AFNI, SPM, and FSL; computational modeling; statistics

### Workshops (Primary Instructor)

- 2016 *Advanced connectivity analysis with AFNI. Yale University*
- 2014 *Introduction to FSL. Indiana University*
- 2013 *Single-subject analysis with AFNI. University of Rochester*

### Primary Instructor

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| 2013-2015 | Introductory Statistics | <b>Indiana University</b> |
| 2013-2015 | Introductory Psychology | <b>Indiana University</b> |

## Lab Instructor

2012 Methods of Experimental Psychology  
2011 Introduction to Neuroimaging Methods

Indiana University  
Indiana University

## PROFESSIONAL SKILLS

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<b>Neuroimaging Software</b>	AFNI, SPM, FSL, FreeSurfer, TORTOISE
<b>Statistical Software</b>	Matlab, R, SPSS
<b>Stimulus Presentation</b>	E-Prime, Presentation, PsychoPy
<b>Programming Languages</b>	Python, AWK, C
<b>Image and Video Editing</b>	Adobe Photoshop, Premiere Pro, Camtasia

## PROFESSIONAL SERVICE

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*Ad hoc* reviewer: Neuroimage  
Cognitive, Affective, and Behavioral Neuroscience  
Frontiers in Human Neuroscience  
Journal of Cognitive Neuroscience

## MEMBERSHIPS

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Cognitive Neuroscience Society  
Society for Neuroscience