

ANDREW D. ENGELL, PH.D.

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EDUCATION

Ph.D.	Psychology & Neuroscience	Princeton University	2008
M.A.	Psychology & Neuroscience	Princeton University	2005
B.A.	Psychology & Neuroscience	The College of New Jersey	2001

POSITIONS HELD

Harvey F. Lodish Development Professor of Natural Science	Kenyon College	2016 – 2019
Assistant Professor of Psychology <i>Affiliated faculty in:</i> Department of Neuroscience Program in Scientific Computing	Kenyon College	2013 – present
Postdoctoral Fellow <i>Advisor:</i> Gregory McCarthy	Yale University	2011 – 2013
Postdoctoral Associate <i>Advisor:</i> Gregory McCarthy	Yale University	2008 – 2011

TEACHING

PSYC 100	Introduction to Psychology	Kenyon College
PSYC 110	General Psychology	Kenyon College
PSYC 310	Cognitive Neuroscience	Kenyon College
PSYC 410	Research Methods: Human Neuroscience	Kenyon College
PSYC 475	Senior Seminar: Social Mind, Social Brain	Kenyon College
<i>Teaching Assistant at Princeton University: September 2004 – May 2006</i>		
PSY 259	Introduction to Cognitive Neuroscience	Prof. Sabine Kastner
PSY 101	Introduction to Psychology	Prof. Sam Glucksberg
PSY 259	Introduction to Cognitive Neuroscience	Prof. Charles Gross
PSY 101	Introduction to Psychology	Prof. Elizabeth Gould

FUNDING

Harvey F. Lodish Faculty Development Chair in the Natural Sciences <i>Kenyon College</i>	2016 - 2019
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April 2017

Research Experiences for Undergraduates <i>National Science Foundation</i>	2016 - 2019
National Research Service Award <i>National Institute of Mental Health</i>	2011 - 2013
Graduate Research Fellowship <i>National Science Foundation</i>	2005 - 2008

PEER-REVIEWED PUBLICATIONS

- Engell A.D. and McCarthy G. (2014). Face, eye, and body selective responses in fusiform gyrus and adjacent cortex: an intracranial EEG study. *Frontiers in Human Neuroscience*, 8
- Engell A.D. and McCarthy G. (2014). Repetition suppression of face-selective evoked and induced EEG recorded from human cortex. *Human Brain Mapping*, 35, 4155-4162.
- Shultz S., van den Honert R.N., Engell A.D., and McCarthy G. (2014). Stimulus induced reversal of information flow through a cortical network for animacy perception. *Social Cognitive and Affective Neuroscience*. doi: 10.1093/scan/nsu028
- Engell A.D. and McCarthy G. (2013). Probabilistic atlases for face and biological motion perception: An analysis of their reliability and overlap. *NeuroImage*, 74, 140-151.
- Engell A.D., Huettel S., and McCarthy G. (2012). The fMRI BOLD signal tracks electrophysiological spectral perturbations, not event-related potentials. *NeuroImage*, 59, 2600-2606.
- Nummenmaa, L., Engell A.D., von dem Hagen, E., Henson, R.N., and Calder, A.J. (2012). Autism Spectrum Traits Predict the Neural Response to Eye Gaze in Typical Individuals. *NeuroImage*, 59, 3356-3363.
- Todorov, A., Said, C.P., Oosterhof, N.N., and Engell, A.D. (2011). Task-invariant brain responses to the social value of faces. *Journal of Cognitive Neuroscience*, 23, 2766-2781.
- von dem Hagen, E., Nummenmaa, L., Yu, R., Engell, A.D., Ewbank, M.P. and Calder, A.J. (2011). Autism spectrum traits in the typical population predict structure and function in the posterior superior temporal sulcus. *Cerebral Cortex*. 21, 493-500.
- Engell A.D. and McCarthy G. (2011). The relationship of gamma oscillations and face-specific ERPs recorded subdurally from occipitotemporal cortex. *Cerebral Cortex*, 21, 1213-1221.
- Baron, S., Gobinni, M., Engell, A.D., and Todorov, A. (2010). Amygdala and dorsomedial prefrontal cortex responses to appearance-based and behavior-based person impressions. *Social Cognitive and Affective Neuroscience*. 6, 572-581.
- Engell A.D., Todorov, A., and Haxby J.V. (2010). Common neural mechanisms for the evaluation of facial trustworthiness and emotional expressions as revealed by behavioral adaptation. *Perception*, 39, 931-41.
- Engell, A.D. and McCarthy, G. (2010). Selective attention modulates face-specific induced gamma oscillations recorded from human fusiform gyrus. *Journal of Neuroscience*, 30, 8780-86.

- Engell, A.D., Nummenmaa, L., Henson, R.A., Haxby, J.V. and Calder, A.J. (2010). Differential activation of frontoparietal attention networks by social and symbolic spatial cues. *Social Cognitive and Affective Neuroscience*, 5, 432-440.
- Said, C.P., Moore, C.D., Engell, A.D., Todorov, A. and Haxby, J.V. (2010). Distributed representations of dynamic facial expressions in the superior temporal sulcus. *Journal of Vision*, 10, 1-12.
- Nummenmaa, L., Passamonti, L., Rowe, J., Engell, A.D., and Calder, A.J. (2009). Connectivity analysis reveals a cortical network for eye gaze perception, *Cerebral Cortex*, 20, 1780-1787.
- Hassin, R.R., Bargh, J.A., Engell, A.D., and McCulloch, K.C. (2009). Implicit working memory. *Consciousness and Cognition*, 16, 21-58.
- Todorov A., Said C.P., Engell A.D., and Oosterhof, N.N. (2008). Understanding evaluation of faces on social dimensions. *Trends In Cognitive Sciences*, 12, 455-460.
- Todorov, A. and Engell, A.D. (2008). The role of the amygdala in implicit evaluation of emotionally neutral faces. *Social Cognitive and Affective Neuroscience*, 3, 303-312.
- Engell, A.D., Haxby, J.V., Todorov, A. (2007). Implicit trustworthiness decisions: Automatic coding of face properties in human amygdala. *Journal of Cognitive Neuroscience*, 19, 1508-1519.
- Engell, A.D. and Haxby, J.V. (2007). Facial expression and gaze-direction in human superior temporal sulcus. *Neuropsychologia*, 45, 3234-3241.
- Greene, J.D., Nystrom, L.E., Engell, A.D., Darley, J.M., Cohen, J.D. (2004). The neural bases of cognitive conflict and control in moral judgment. *Neuron*, 44, 389-400.

INVITED TALKS

- Hiding in plain sight: EEG investigations of nonconscious face processing. (April 2017).
Midwestern Psychological Association, Chicago, IL.
- About Face: Reconsidering brain networks for social perception. (April 2017). Nationwide
Children's Hospital, Columbus, OH.
- Can you see me now?: An EEG investigation of nonconscious face processing. (April 2017). Ohio
State University, Columbus, OH.
- Hiding in plain sight: EEG investigations of nonconscious face processing. (November 2016).
Faculty Gallery Talk: Gund Gallery, Gambier, OH.
- About face: Reconsidering brain networks for social perception. (June 2015). *Epilepsy Grand
Rounds*: Cleveland Clinic, Cleveland, OH.
- Social agent perception: The face of category-selectivity in visual cortex. (February 2013).
Kenyon College, Gambier, OH.
- Social agent perception: The face of category-selectivity in visual cortex. (January 2013).
Hamilton College, Clinton NY.
- Face value: Psychological and neural systems underlying face perception. (July 2012). Wesleyan
University, Middletown, CT.

- Face value: Psychological and neural systems underlying face perception. (April 2012). fMRI Seminar. Magnetic Resonance Research Center. Yale University, New Haven, CT.
- Face value: Psychological and neural systems underlying face perception. (January 2012). Social Lunch Seminar Series: Yale University, New Haven, CT.
- Face value: Psychological and neural systems underlying face perception. (January 2012). Emory University, Atlanta, GA.
- fMRI and intracranial EEG studies of human face processing. (January 2011). University of Chicago, Chicago, IL.
- fMRI and intracranial EEG studies of human face processing. (December 2010). Indiana University, Bloomington, IN.
- Electrocorticography studies of human face perception. (October 2010). Princeton University, Princeton, NJ.
- EEG and fMRI studies of human face perception. (February 2010). Massachusetts Institute of Technology, Cambridge, MA.
- EEG and fMRI studies of human face perception. (January 2010). Cognitive Lunch Seminar Series: Yale University, New Haven, CT.
- Implicit trait evaluations: Automatic coding of face properties in human amygdala. (June 2008). California Institute of Technology, Pasadena, CA.
- fMRI acquisition and analysis. (June 2006). Cornell Sackler Summer Institute, Princeton NJ.
- Neural representation of non-verbal social cues: fMRI studies of gaze and expression perception. (March 2006). Graduate Student and Post-doc Colloquium: Princeton University, Princeton, NJ.
- Neural Systems underlying perception of facial expression and gaze-direction. (October 2005). Penn-Princeton Graduate Student Symposium: Princeton, NJ.
- Distributed representations of facial social signals in human temporal cortex. (April 2005). Department of Psychology: The College of New Jersey, Ewing NJ.

CONFERENCE PRESENTATIONS

- Mohr, S., Wang, A. and Engell, A.D. (April 2017). The effects of isolated facial features on the identity sensitive N250r ERP. Poster presented at the *Midwestern Psychological Association*, Chicago, IL.
- Quillian, H., Parr, J. and Engell, A.D. (October 2016). Can you see me now? An EEG investigation of nonconscious face processing. Poster presented at the *Midwest/Great Lakes Undergraduate Research Symposium in Neuroscience*, Columbus, OH.
- Mohr, S., Wang, A. and Engell, A.D. (October 2016). The effects of isolated facial features on the identity sensitive N250r ERP. Poster presented at the *Midwest/Great Lakes Undergraduate Research Symposium in Neuroscience*, Columbus, OH.
- Xiao, W.R., Chen, W.C., Hell, F.L., Wastsky, R.E., Guillod, P.D., Tsai, N., Martin, L.S., Youngblood, M.W., Aronberg, R.M., Bailey, C.A., Crowley, M.J., van den Honert, R., Engell, A.D., Gerrard, J.L., Spencer, D.D., Mayes, L.C., McCarthy, G., and Blumenfeld, H. (November 2013). Developing a task to investigate conscious report across sensory

- modalities. Poster presented at the *Annual Meeting for the Society for Neuroscience*, San Diego, CA.
- Engell, A.D. and McCarthy, G. (October 2012). fMRI activation by face and biological motion perception: Comparison of response maps and creation of probabilistic atlases. Talk presented at the *Annual Meeting for the Society for Neuroscience*, New Orleans, LA.
- Engell, A.D. and McCarthy, G. (November 2011). Representations of face-part configuration and race in the human face-processing network. Talk presented at the *Annual Meeting for the Society for Neuroscience*, Washington DC.
- Engell, A.D. and McCarthy, G. (November 2010). Dissociable electrophysiological responses to faces and bodies recorded from subdural electrodes on human occipitotemporal cortex. Talk presented at the *Annual Meeting for the Society for Neuroscience*, San Diego, CA.
- Engell, A.D. and McCarthy, G. (October 2009). Face-specificity and attentional modulation of induced gamma oscillations recorded from human fusiform gyrus and adjacent cortex. Talk presented at the *Annual Meeting for the Society for Neuroscience*, Chicago, IL.
- Engell, A.D., Gobbini, M.I., Haxby, J.V. (October 2006). Gaze change perception in early visual cortex. Poster presented at the *Annual Meeting for the Society for Neuroscience*, Atlanta, GA.
- Engell, A.D., Haxby, J.V., Todorov, A. (June 2006). The amygdala response during spontaneous trait inferences from neutral faces. Poster presented at the *Annual Meeting for the Organization for Human Brain Mapping*, Florence, Italy.
- Engell, A.D., Gobbini, M.I., Haxby, J.V. (May 2006). Distributed representations of face expression and gaze perception in human temporal cortex. Talk presented at the *Annual Meeting for the Vision Sciences Society*, Sarasota, FL.
- Engell, A.D., Gobbini, M.I., Haxby, J.V. (November 2005). Neural systems underlying perception of facial expression and gaze-direction in human temporal cortex. Poster presented at the *Annual Meeting for the Society for Neuroscience*, Washington, D.C.
- Engell, A.D., Gobbini, M.I., Haxby, J.V. (June 2005). Distributed Representations of expression and gaze perception in human temporal cortex. Poster presented at *Princeton University Neuroscience Retreat*, Princeton, NJ.

AD-HOC REVIEWER

Attention, Perception, and Psychophysics

Brain Imaging and Behavior

Brain Research

Cerebral Cortex

Cognition

Cognition and Emotion

Emotion

Journal of Cognitive Neuroscience

Journal of Experimental Psychology: Human Perception and Performance

Journal of Experimental Psychology: General

Journal of Neuroscience

NeuroImage
Neuropsychologia
Personality and Social Psychology Bulletin
Psychiatry Research: Neuroimaging
Psychological Science
Social Cognitive and Affective Neuroscience
Social Neuroscience