

ANDREW D. ENGELL, PH.D.

Psychology Department
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EDUCATION

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

POSITIONS HELD

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|--|-----------------|----------------|
| Associate Professor of Psychology | Kenyon College | 2019 - present |
| <i>Affiliated faculty in:</i> | | |
| Department of Neuroscience | | |
| Program in Scientific Computing | | |
| Harvey F. Lodish Development Professor of Natural Science | Kenyon College | 2016 – 2019 |
| Assistant Professor of Psychology | Kenyon College | 2013 – 2019 |
| 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 210 | Social Mind, Social Brain | 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 |
| Research Experiences for Undergraduates <i>National Science Foundation</i> | 2016 - 2019 |
| National Research Service Award | 2011 - 2013 |

National Institute of Mental Health

Graduate Research Fellowship
National Science Foundation

2005 - 2008

PUBLICATIONS

- Engell A.D. & Quillian, H.M. (2020). Faces under continuous flash suppression capture attention faster than objects, but without a face-evoked steady-state visual potential: Is curvilinearity responsible for the behavioral effect? *Journal of Vision*, 20(6), 1-15
- Mohr S., Wang A., and Engell A.D. (2018). Early identity recognition of familiar faces is not dependent on holistic processing: An ERP study. *Social Cognitive and Affective Neuroscience*, 1-9.
- Engell A.D., Kim NY, and McCarthy G. (2018). Sensitivity to Faces with Typical and Atypical Part Configurations within Regions of the Face-processing Network: An fMRI Study. *Journal of Cognitive Neuroscience*, 7(30), 963-972.
- 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

- About face: Revisiting the “specialness” of faces in the visual system. (Dec 2018). Oberlin College, Oberlin, OH.
- 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

- Quillian, H. and Engell, A.D. (October 2019). Are faces processed nonconsciously? Yes, but so are dartboards and alarm clocks: an EEG and b-CFS investigation of nonconscious perception. Poster presented at the *Annual Meeting for the Society for Neuroscience*, Chicago, IL.
- Morningstar, M., Engell, A.D., Mattson, W.I., Gedela, S., and Nelson, E.E. (May 2019). Early identity recognition of familiar faces is not dependent on holistic processing. Poster presented at the *Annual Meeting for the Social and Affective Neuroscience Society*, Miami, FL.
- Mohr, S., Wang, A. and Engell, A.D. (November 2018). Early identity recognition of familiar faces is not dependent on holistic processing. Poster presented at the *Annual Meeting for the Society for Neuroscience*, San Diego, CA.
- Mohr, S., Wang, A. and Engell, A.D. (November 2018). Early identity recognition of familiar faces is not dependent on holistic processing. Poster presented at the *Annual Meeting for the Society for Social Neuroscience*, San Diego, CA.
- 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.

SERVICE

Associate editor:

Social Cognitive and Affective Neuroscience

Reviewer:

Attention, Perception, and Psychophysics
 Brain Imaging and Behavior
 Brain Research
 Brain Topography
 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
 Psychophysiology
 Social Cognitive and Affective Neuroscience
 Social Neuroscience