

Curriculum Vitae

Hua Yang

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EDUCATION

Cognitive Neuroscience September 2010-pres
ent
Department of Psychological and Brain Sciences, Dartmouth College
B.S., Psychology September 2006-June 20
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YuanPei College, Peking University

RESEARCH INTERESTS

- Using behavioral experiments with fMRI studies to probe the underlying mechanisms underlying object recognition, especially face perception, combining with developmental studies on prosopagnosia patients
- Visual consciousness, binocular rivalry, interocular suppression. Studying various perceptual processings without awareness, their neural activation and decoding the patterns under these conditions
- Exploration and combination of scientific methods, including mapping neuroimaging onto psychophysics, computational modeling of physiologic and psychophysical data
- Specific neural substrates for human face expressions, including visual cortex and amygdala
- Visual attention, its interaction with other cognitive mechanisms and functions
- Perceptual organization, including contextual modulation, contour integration and surface segmentation

PUBLICATIONS AND ABSTRACTS

- Yang, H., Guo, B., Meng, M. (2011) Neural basis of categorical processing for human facial expressions [abstract] (submitted).
- Guo, B., Yang, H, Meng, M. (2011) Does image contrast modulate brain activity in the fusiform face area and parahippocampal place area? [abstract] (submitted).
- Yang, H., Meng, M. (2011) Probing the feature map for faces in visual search [abstract] (accepted).
- Yang, H., Gors, J., Meng, M. (2011) Face-semblance leads to faster visual search and breaking interocular suppression [Abstract] (accepted).
- Yang H., Shen J., Chen J. and Fang F. (2011) Face adaptation improves gender discrimination. *Vision Research*. 51(1), 105-110
- Chen J., Zhou T., Yang H. and Fang F. (2010) Cortical dynamics underlying face completion in human visual system. *Journal of Neuroscience*. 30(49): 16692-16698;
- C Chen J.*, Yang H.*, Wang A. and Fang F. (2010) Perceptual consequences of face viewpoint adaptation: Face viewpoint aftereffect, changes of differential sensitivity to face view, and their relationship. *Journal of Vision*. 10(3):12, 1-11. (*co-first author)
- Chen, J., Yang, H., Fang, F. (2010) Neural representation of amodal completion process in human visual system [Abstract].
- Fang, F., Chen, J., Yang, H. (2009). Face view adaptation and its effect on face view discrimination [Abstract]. *Journal of Vision*, 9(8):526, 526a

RESEARCH ASSISTANT WORK

Cross-cultural Research on Adaptive Ability and Well-Being University of Minnesota
Research Assistant Spring 2008

- Data collection from 160 subjects in China

University of Michigan- Peking University Joint Program of Culture and Development Beijing, China
Research Assistant Spring 2009

- Participated in the research *Do Infants Associate Linguistic Labels with Goals of the Action*

CONFERENCES AND WORKSHOPS

Vision Sciences Society Meeting

Participant, talk presentation

Florida, US

May 2010

Society for Neuroscience Annual Meeting

Participant

San Diego, US

November 2010

1st China Conference of Brain Imaging and Neuroscience

Poster presentation

Beijing, China

April 2010

Beijing International Symposium on Computational Neuroscience

Participant

Beijing, China

July 2009

Workshop on Cognitive Science: From Cellular Mechanisms to Computational Theories

Participant, poster presentation

Beijing, China

May 2009

Vision Sciences Society Meeting

Poster Presentation

Florida, USA

May 2009

1st International Symposium of Perceptual Learning

Participant

Beijing, China

May 2009

The 5th World Congress for Psychotherapy

Staff

Beijing, China

October 2008

The 7th Sino-German Workshop on Cognitive Neuroscience

Participant

Beijing, China

October 2008

Sino-Italian Symposium of Neuropsychology

Participant

Beijing, China

April 2009

AWARDS AND FELLOWSHIP

- the 2011 Elsevier/Vision Research Travel Award (VSS Student Travel Award)
- Dartmouth Grants for Graduate Study or Research
- Second Prize for high score by New Oriental
- Travel fellowship by Workshop on Cognitive Science
- Scholarship for Excellent Freshman by Peking University

May 2011

2010-2014

Spring 2009

Spring 2009

Autumn 2006

Membership

- Vision Sciences Society Member
- Society for Neurosciences Member
- ASSS/Science Member

2009-present

2011-present

2011-present