Feitong Yang

CONTACT

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EDUCATION

Johns Hopkins University, Baltimore, Maryland, U.S.A. — Sept 2013 – July 2018 (Expected)
Ph.D. Psychology
Advisor: Dr. Jonathan Flombaum
Research Interests: Interactions between visual perception, attention, and memory

Peking University, Beijing, China — Sept 2008 – July 2012
B. Sc. Psychology
Advisor: Dr. Sheng Li
GPA: 3.60/4.00
Thesis: The role of selective attention in visual memory

ACADEMIC/RESEARCH TRAINING

University of Pennsylvania, Philadelphia, Pennsylvania, U.S.A — Jun – Aug 2011
Computational Neuroscience Summer School
Advisor: Geoffrey Aguirre
Project: Multi-voxel pattern analysis of blind people's primary visual cortex

Cold Spring Harbor Asia, Beijing, China — July 2013
Computational and Cognitive Neuroscience Summer School
Organizer: Xiao-Jing Wang, Si Wu, Upinder S. Bhalla, Zachary F. Mainen

GRANTS & AWARDS

National University Student Innovation Program, Peking University, RMB 10,000 — 2010 – 2011

Student Travel Award, the 7th Asia-Pacific Conference on Vision, $ 770 — 2011

Undergraduate Research Grants at Department of Psychology, Peking University, RMB 2,000 — 2009 – 2010

Excellence in Academic Study Award, Peking University — 2009 – 2011

RESEARCH EXPERIENCE

Graduate Research Fellow, Johns Hopkins University, Baltimore, Maryland, U.S.A. — Aug 2013 – Present
Attention and Cognition Lab
Advisor: Dr. Jonathan Flombaum
Project:
1. Content in working memory modulates the online perception.
2. Interaction between statistical learning and attention

Research Assistant, Peking University, Beijing, China — Feb 2010 – Jul 2013
Cognition and Computation Lab
Advisor: Dr. Sheng Li
Project:
1. Task-dependent uncertainties in perceptual decision making
2. Interaction between visual attention and visual working memory
Responsibility:
- Independently design, conduct and analyze psychophysics studies;
- Conduct EEG experiments; Analyze EEG data using BP Analyzer and EEGLab
- Analyze fMRI data using SPM, BrainVoyage and pyMVPA;
- Write and publish research articles;

Research Assistant, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania, U.S.A. — Jun – Aug 2011
Advisor: Dr. Geoffrey Aguirre
Project:
1. Decoded visual/auditory/tactile semantic content in occipital areas of congenitally blind and sighted individuals
Responsibility:
- Learn and Compare various Multi-voxel Pattern Analysis (MVPA) algorithms and toolbox;
- Apply the MVPA in the working project, revealing that the occipital areas of congenitally blind individuals, but not sighted individuals contain the auditory and tactile semantic information.

TEACHING EXPERIENCE

Teaching Assistant, Introduction to Neuroscience of Decision Making — Spring 2014
Johns Hopkins University, Baltimore, Maryland, U.S.A.
Instructor: Dr. Veit Stuphorn

Teaching Assistant, Computational Vision — Fall 2012
Peking University, Beijing, China.
Instructor: Dr. Zili Liu

Teaching Assistant, Functional Anatomy of Central Nervous System — Spring 2011
Peking University, Beijing, China.
Instructor: Dr. Yanjie Su

MANUSCRIPT

Yang, F., Wu, Q., & Li, S., (under review) Learning-induced uncertainty reduction in perceptual decisions is task-dependent.

PUBLICATION

Li, S., & **Yang, F.** (2012). Task-dependent uncertainty modulation of perceptual decisions in the human brain. *European Journal of Neuroscience*, *36*(12), 3732-3739.

ABSTRACT, POSTER & PRESENTATIONS

5. **Yang, F.,** & Flombaum, J. I., (2014) Ponzo inducers in the working memory produce Illusory line length perception, Poster presented at Vision Science Society Meeting 2014, St. Pete, FL.

4. Prasad, S., **Yang, F**., Butt, O., Brandes, L., Datta, R., Thomas, A., & Aguirre, G., (2012)

Occipital Areas Distinguish Semantic Content in Congenitally Blind but Not Sighted Individuals. Neurology 2012; 78, P02.018.

3. **Yang, F.**, & Li, S., (2011) Asymmetrical Transfer of Learning Effects between Signal-based and Criterion-based Task Uncertainties in Perceptual Decision, Oral Talk presented at The 7th Asia-Pacific Conference on Vision, Hong Kong.

2. **Yang, F.**, & Li, S., (2011) Learning of Uncertain Stimuli Transfers from Criterion-Based to Noise-Based Perceptual Decision, But Not Vice Versa, Poster presented at Vision Science Society Meeting 2011, Naples, FL.

1. Li, S., & **Yang, F**., (2010) Learning of Perceptual Judgment under Criterion-based and Noise-based Uncertainties, Poster presented at Society for Neuroscience Annual Meeting 2010, San Diego, CA.

SKILLS & LANGUAGES

Statistical and Computational skills: MATLAB, C/C++, Python, pyMVPA, EEGLab, BrainVoyage, SPM, FreeSurfer, SPSS

Languages: Chinese (Native), English (Fluent), Japanese (Intermediate)