Joo-Hyun Song

Assistant Professor
Department of Cognitive, Linguistic and Psychological Sciences
Brown University
Box 1821
Providence, RI 02912

Tel: + 1(401) 863-7666
Email: joo-hyun_song @brown.edu

EDUCATION

1994-1998 Seoul National University, Seoul, Korea
B.A in Psychology, Summa Cum Laude

1998-2000 Seoul National University, Seoul, Korea
M.A in Psychology

2001-2006 Harvard University, Cambridge, MA
Ph.D in Psychology
Dissertation: Characteristics of visually-guided motor actions in selection tasks. Advisor: Ken Nakayama

PROFESSIONAL APPOINTMENTS

2000 Lecturer
Department of Psychology
Hallym University, Choonchun, Korea

2006-2008 Postdoctoral Fellow
The Smith-Kettlewell Eye Research Institute, San Francisco, CA

2009-2010 Postdoctoral Researcher
The Smith-Kettlewell Eye Research Institute, San Francisco, CA

2010-present Assistant Professor
Department of Cognitive, Linguistic, and Psychological Sciences

(2011-2012, Medical Leave)

2010-present Affiliated faculty (Trainer)
Department of Neuroscience
Brown University, Providence, RI

PUBLICATIONS (* Denotes student/post-doc authors)

Refereed Journal Articles

1. Jiang Y, **Song J-H** (2005) Spatial context learning in visual search and change detection. *Perception &* Psychophysics, *67(7)*, 128-139.
2. **Song J-H,** Jiang Y (2005) Connecting the past with the present: How do humans match an incoming visual display with visual memory? *Journal of Vision, 5(4),* 322-330.
3. Jiang Y, **Song J-H** (2005) Hyper-specificity in visual implicit learning: Learning of spatial layout is contingent on item identity. *Journal of Experimental Psychology: Human Perception & Performance, 31(6),* 1439-1448.
4. Jiang Y, **Song J-H,** Rigas A (2005) High-capacity spatial contextual memory. *Psychonomic Bulletin & Review, 12(3)*, 524-529.
5. **Song J-H,** Jiang YV (2006) Motion tracking mediates capacity allocation in visual working memory. *Psychonomic Bulletin & Review, 13(6)*, 1011-1015.
6. **Song J-H,** Jiang Y (2006) Visual working memory for simple and complex features: An fMRI study. *NeuroImage, 30(3),* 963-972.
7. **Song J-H,** Nakayama K (2006) Role of focal attention on latencies and trajectories of visually guided manual pointing. *Journal of Vision*, *6*(*9)*, 982-995.
8. **Song J-H,** Nakayama K (2007) Fixation offset facilitates saccades and manual reaching for single but not multiple target displays. *Experimental Brain Research, 177(2),* 223-232.
9. **Song J-H,** Nakayama K (2007) Automatic adjustment of visuomotor readiness. *Journal of Vision, 7(5),* 1-9.
10. Finkbeiner M, **Song J-H,** Nakayama K, Caramazza A (2008) Engaging the motor system with masked orthographic primes: A kinematic analysis. *Visual Cognition, 16,* 11-22.
11. **Song J-H,** Nakayama K (2008) Numeric comparison in a visually-guided manual reaching task. *Cognition, 106*, 994-1003.
12. **Song J-H,** Nakayama K (2008) Target selection in visual search as revealed by movement trajectories. *Vision Research, 48,* 853-861.
13. **Song J-H,** Takahashi N, McPeek RM (2008) Target selection for visually-guided reaching in macaque. *Journal of Neurophysiology, 99,* 14-24.
14. **Song J-H,** McPeek RM (2009) Eye-hand coordination during target selection in a pop-out visual search. *Journal of Neurophysiology, 102,* 2681-2692.
15. **Song J-H,** Nakayama K (2009) Hidden cognitive states revealed in choice reaching tasks. *Trends in Cognitive Sciences, 13, 360-366.*
16. **Song J-H,** McPeek RM (2010) Roles of narrow-and broad-spiking dorsal premotor area neurons in reach target selection and movement production. *Journal of Neurophysiology, 103,* 2124-2138.
17. Khan AZ, **Song J-H,** McPeek RM (2011) The eye dominates in guiding attention during simultaneous eye and hand movements. *Journal of Vision, 11,* 1-14.
18. **Song J-H,** Rowland J, McPeek RM, Wade AR (2011) Attentional modulation of fMRI responses in human V1 is consistent with distinct spatial maps for chromatically defined orientation and contrast. *Journal of Neuroscience, 31*. 12900-5.
19. **Song J-H,** Rafal RD, McPeek RM (2011) Deficits in reach target selection during inactivation of the midbrain

superior colliculus. *Proceedings of the National Academy of Sciences U S A, 20,* E1433-40.

20. Bruggeman H, *Kliman-Silver C, Domini F, **Song J-H (**2013) Dynamic Manipulation generates touch information that can modify vision. *Psychological Science*, *24(6),* 1063-1065.
21. *Moher J, **Song J-H (**2013) Context-dependent sequential effects of target selection for action. *Journal of Vision*, *13(8),* 1-13.
22. **Song J-H**, *Bédard P (2013) Allocation of attention for dissociated visual and motor goals. *Experimental Brain Research*, *226*, 209-19.
23. *Bédard P, **Song J-H (**2013) Attention modulates generalization of visuomotor adaptation. *Journal of Vision, 13(12),* 1-10.
24. *Moher J, **Song J-H (**2014) Perceptual decision processes flexibly adapt to avoid change-of-mind motor costs. *Journal of Vision, 14(8):1*, 1-13.
25. *Moher J, **Song J-H (**2014) Target selection bias transfers across different response actions. *Journal of Experimental Psychology: Human Perception and Performance, 40(3),* 1117-30.
26. *Corbett J, **Song J-H (**2014) Statistical extraction affects visually guided action. *Visual Cognition, 22(7)*, 881-895.
27. *Moher J, *Sit J, **Song J-H (**2015) Goal-directed action is automatically biased towards looming motion. *Vision Research, 113(Pt B)*:188-97.
28. **Song J-H**, *Bédard P (2015) Paradoxical benefits of diverted attention for visuomotor memory, *Psychological Sciences, 26(2):* 148-58.
29. **Song J-H,** McPeek RM (2015) Neural correlates of target selection for reaching movements in superior colliculus. *Journal of Neurophysiology*. 1;113(5):1414-22.
30. *Im YH, *Bédard P, **Song J-H** (2015) Encoding attentional states during visuomotor adaptation. *Journal of Vision*. *15(8):20*, 1-16.
31. *Moher J, *Anderson B, **Song J-H** (2015) Dissociable effects of salience on attention and goal-directed action. *Current Biology*, *25,* 1-7.
32. *Moher J, * **Song J-H** (in press) Target selection biases from recent experience transfer across effectors. *Attention, Perception & Psychophysics.*

Journal Articles in Review

*Erb C, *Moher J, Sobel, DM, **Song J-H** (in revision) Tracking reveals dissociable processes underlying cognitive control cognition. *Cognition.*

*Im YH, *Bédard P, **Song J-H** (in revision) Long lasting abstract attentional context dependent visuomotor memory.

*Erb C, *Moher J, **Song J-H**, Sobel DM (in review) Reach tracking reveals dissociable processes underlying inhibitory control in 5- to 10-year-olds.

Refereed Abstracts

1. **Song J-H**, Nakayama K (2003) The role of focal visual attention in a manual pointing task*. Annual Meeting of the Vision Sciences Society, Sarasota, FL.*
2. **Song J-H,** Jiang Y (2004) How configural is implicit learning of repeated visual context? *Annual Meeting of the Vision Sciences Society, Sarasota, FL.*

3. **Song J-H,** Nakayama K (2004) The role of attention in manual pointing. *Motor control for vision scientists, Lunteren, Netherlands.*
4. **Song J-H,** Nakayama K. (2005) Selecting and pointing: Consecutive serial processing? *Annual Meeting of the Vision Sciences Society, Sarasota, FL.*
5. Jiang Y, **Song J-H,** Rigas A (2004) High-capacity spatial contextual memory. *45th Annual Meeting of the Psychonomic Society, Minnesota, MN.*
6. **Song J-H,** Nakayama K (2005) Control of speed and accuracy criteria in manual-pointing movements. *ESF-EMBO Symposium on three-Dimensional Sensory and Motor Space, Sant Feliu de Guixols, Spain.*
7. **Song J-H,** Nakayama K (2005) Control of speed and accuracy set point in visually guided manual-pointing movements. *Annual Meeting of Object, Perception, and Memory, Toronto, Canada.*
8. **Song J-H,** Nakayama K (2006) Automatic readiness adjustment of visually-guided manual-pointing movements. *Annual Meeting of the Vision Sciences Society, Sarasota, FL.*
9. Nakayama K, **Song J-H,** Finkbeiner M, Caramazza A (2007) Hand trajectories reveal cognitive states. *Annual Meeting of the Vision Sciences Society, Sarasota, FL.*
10. **Song J-H,** McPeek RM, Takahashi N (2007) Target selection for visually-guided reaching in macaque. *Annual Meeting of the Vision Sciences Society, Sarasota, FL.*
11. **Song J-H,** McPeek RM (2007) Target selection for visually-guided reaching in macaque. *Society for Neuroscience, San Diego, CA.*
12. **Song J-H,** McPeek RM (2008) Target selection for visually-guided reaching in the dorsal premotor area during a visual search task. *Computational and Systems Neuroscience, Salt Lake City, UT.*
13. **Song J-H,** McPeek RM (2008) Target selection for visually-guided reaching in the dorsal premotor area during a visual search task. *Annual Meeting of the Vision Sciences Society, Sarasota, FL.*
14. McPeek RM, **Song J-H** (2009) Neural correlates of target selection for reaching movements in superior colliculus. *Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*
15. McPeek RM, **Song J-H** (2009) Neural correlates of target selection for reaching movements in superior colliculus. *Society for Neuroscience, Chicago, IL.*
16. Khan AZ, **Song J-H,** McPeek RM (2009) The eye dominates in guiding attention during simultaneous eye and hand movements. *Society for Neuroscience, Chicago, IL.*
17. **Song J-H,** Rafal R, McPeek RM (2009) Deficits in target selection for reaching movements after superior colliculus inactivation. *Society for Neuroscience, Chicago, IL.*
18. **Song J-H,** Rafal R, McPeek RM (2009) Neural substrates of target selection for reaching movements in superior colliculus inactivation. *Annual Meeting of Vision Sciences Society, Naples, FL.*
19. Khan AZ, **Song J-H,** McPeek RM (2010) Attention is predominantly guided by the eye during concurrent eye-hand movements. *Annual Meeting of Vision Sciences Society, Naples, FL.*
20. McPeek RM, **Song J-H** (2010) Chronometry of reach target selection in superior colliculus and dorsal premotor area. *Society for Neuroscience, San Diego, CA.*
21. **Song J-H,** *Bédard P (2011) Attentional load effects on visuo-motor learning. *Annual Meeting of the Vision Sciences Society, Naples, FL.*
22. **Song J-H,** *Bédard P (2011) Selective role of attention in visuo-motor learning. *Society for Neuroscience, Washington D.C.*

23. McPeek RM, **Song J-H** (2011) Superior colliculus activity related to saccade and reach target selection. *Society for Neuroscience, Washington D.C.*

24. *Moher J, **Song J-H** (2012) Opposite effects of external and internal conflict on subsequent behavior. *Annual Meeting of the Vision Sciences Society, Naples, FL.*

25. *Moher J, **Song J-H** (2012) Dynamic threshold adjustments for changes of mind in perceptual decision making. *Object Perception, Attention, and Memory, Minneapolis, MN.*

26. McPeek RM, **Song J-H** (2012) Target-distractor competition in superior colliculus associated with curved reach trajectories. *Society for Neuroscience, New Orleans, LA.*

27. **Song J-H**, *Bédard P (2013) Effects of attentional states on visuomotor learning. *Annual Meeting of the Vision Sciences Society, Naples, FL.*

28. *Moher J, **Song J-H** (2013) Memory biases selection independent of previous response modality. *Annual Meeting of the Vision Sciences Society, Naples, FL.*

29. *Bédard P, **Song J-H** (2013) Attention modulates generalization of visuomotor learning. *Annual Meeting of the Vision Sciences Society, Naples, FL.*

30. *Erb C, ******Moher J, **Song J-H,** Sobel DM (2013) Reach trajectory tracking as an online measure of executive control. *Biennial meeting of the Cognitive Development Society, Memphis, TN.*

31. *Erb C, *Moher J, **Song J-H**, Sobel DM (2013) Measuring the development of 'online' cognitive control in the flanker task. *Workshop on Learning to Attend, Attending to Learn, San Diego, CA.*

32. **Song J-H**, *Bédard P (2013) Long-lasting paradoxical effects of attentional-states on visuomotor memory. *Society for Neuroscience, San Diego, CA.*

33. *Moher J, *Anderson B, **Song J-H** (2013) Reward-Associated Stimuli Trigger Movement Repulsion in Goal-Directed Action. *Psychonomic Society Annual Meeting, Toronto, ON.*

34. *Moher J, *Machizawa, M, **Song J-H** (2014) Understanding changes-of-mind in decision making through visually-guided action and electroencephalography. *Cognitive Neuroscience Society Annual meeting, Boston, MA.*

35. *Kelly K, *Moher J, Harris A, **Song J-H** (2014) Sensorimotor dynamics of food choices revealed by reaching. *Cognitive Neuroscience Society Annual meeting, Boston, MA.*

36. *Gamble C, **Song J-H** (2014) Distinct patterns of size-contrast illusion effects in reaching and grasping. *Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.*

37. **Song J-H**, *Bédard P (2014) Long-lasting paradoxical effects of attentional-states on visuomotor memory. *Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.*

38. *Moher J, **Song J-H** (2014) Enhancement and suppression biases for target selection transfer across saccades and reaches. *Psychonomic Society Annual Meeting, Long Beach, CA.*

39. **Song J-H**, *Im HY, *Bédard P (2015) Paradoxical Benefits of Dual-Task Contexts for Visuomotor Memory. *Neural Control of Movement Meeting, Charleston, SC.*

40. **Song J-H**, *Im HY, *Bédard P (2015) Encoding attentional-states during visuomotor adaptation. *Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.*

41. *Gamble C, **Song J-H** (2015) Distinct influences of size-contrast illusion on action preparation and execution. *Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.*

42. *McCarthy JD, **Song J-H** (2015) Global and local attentional influences on target selection for action. *Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.*

43. *Im HY, **Song J-H** (2015) Inhibitory modulation of perception and action by repeated colors without consciousness. *Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.*

44. *Erb C, *Moher J, **Song J-H**, Sobel DM (2015) Reach Tracking Reveals Dissociable Processes Underlying Cognitive Control in 5- to 10-year-olds. *Ninth Biennial Meeting of the Cognitive Development Society. Columbus, OH.*

Invited lectures and talks

2005 Department of Physiology, University of Montreal, Montreal, Canada: *Visually-guided action and target selection.*

2006 Department of Psychology, Harvard University, Cambridge, MA: *Characteristics of visually-guided motor actions in selection tasks.*

2006 Department of Psychology, University of Western Ontario, London, Canada: *Visually-guided action and target selection.*

2006 The Smith-Kettlewell Eye Institute, San Francisco, CA: *Visually-guided action and target selection.*

2007 Department of Physiology, San Francisco, CA: *Reach target selection*.

2008 Department of Psychology, Seoul, Korea: *Visually-guided action and cognitive process.*

2009 Department of Psychology, Michigan State University, East Lansing, MI: *How does a complex visual environment interact with visually-guided action?*

2009 Department of Psychology, Brown University, RI: *How does a complex visual environment interact with visually-guided action?*

2009 Department of Psychological and Brain Sciences, Dartmouth College, Hanover, NH: *How does a complex visual environment interact with visually-guided action?*

2009 Department of Psychology, Seoul National University, Seoul, Korea: *How does a complex visual environment interact with visually-guided action?*

2009 Department of Psychology, Northwestern University, Evanston, IL: *Interaction between perception, cognition and action.*

2010 Neuroscience Retreat, Brown University, RI: *Target selection for visually-guided action.*

2011 Department of Psychology, Seoul National University, Seoul, Korea: *Neural mechanisms target selection for visually-guided action.*

2011 Department of Psychology, Korea University, Seoul, Korea: *Neural mechanisms target selection for visually-guided action.*

2011 Department of Psychology, Yonsei University, Seoul, Korea: *Neural mechanisms target selection for visually-guided action.*

2011 Korea Advanced Institute of Science and Technology, Deajeon, Korea: *Neural mechanisms target selection for visually-guided action.*

2012 Department of Psychology, Harvard University, Cambridge, MA: *Complex visual environments and visually-guided action.*

2012 IDeA mini-conference, North Dakota State University, Fargo, ND: *Interaction between complex visual environments and visually-guided action.*

2013 Harvard Medical School, Boston, MA: *Paradoxical attentional effects on visuomotor learning.*

2013 Joint workshop organized by Harvard Vision Lab, Harvard Computer Science, Dartmouth College and Brown University, Department of Psychology, Harvard University, Cambridge, MA: *Applications of reach trajectories*.

2013 Department of Biomedical Engineering, Boston University, Boston, MA: *Integrated perception, cognition and action in a complex visual environment.*

2013 Department of Psychology, University of Rutgers, New Brunswick, NJ: *Attention and visuomotor processes.*

2013 Graduate Center for Vision Research and SUNY Eye institute, SUNY College of Optometry, New York, NY: *Paradoxical effects of attentional states on visuomotor learning*.

2014 McGovern Institute for Brain Research, MIT, Cambridge, MA: *Integrated perception, cognition and action in a complex visual environment.*

2015 Department of Psychology, University of Birmingham, UK: *Integrated perception, cognition and action in a complex visual environment.*

2015 Department of Psychology, University of York, UK: *Integrated perception, cognition and action in a complex visual environment.*

2015 Department of Psychology, UC Berkeley, Berkeley, CA: *Paradoxical modulation of motor actions by attention.*

2015 The Smith-Kettlewell Eye Research Institute, San Francisco, CA: *Paradoxical modulation of motor actions by attention.*

2015 Department of Psychology, UC Merced, Merced, CA: *Paradoxical modulation of motor actions by attention.*

2015 Department of Psychology, Stanford University, Palo Alto, CA: *Paradoxical modulation of motor actions by attention.*

2015 Department of Biomedical Engineering, University of Colorado Boulder, Boulder, CO: *Paradoxical modulation of motor actions by attention.*

2015 Department of Psychology, Princeton University, Princeton, NJ: *Paradoxical modulation of motor actions by attention.*

RESEARCH GRANTS

Current support

2013-2018 COBRE: NIGMS-NIH IDeA P20GM103645 (Project PI: Song, Year 3: $286,357; Center PI: Sanes)
Target selection for visually-guided action

2015-2016 Rhode Island Foundation (PI: Song, $15,000)
Modulation of attentional states on motor learning

2015-2017 NSF (PI: McCarthy, Co-PI: Song, $234,000)
Change of Mind in target selection for action

2016-2021 (Recommended for funding) NSF CAREER (PI: Song)
Paradoxical Benefits of Distraction for Motor Memory

Completed support

2007-2008 R.C. Atkinson Fellowship Award. The Smith-Kettlewell Eye Research Institute (PI: Song, $45,000)
Neural Mechanisms of Target Selection for Visually-Guided Actions

2011-2012 Salomon faculty research grant, Brown University (2011-2012) (PI: Song $15,000)
Neural substrates for target selection for actions

2011 Salomon grant for course, Brown University (2011) (PI: Song $500)
Department shared equipment purchase for course teaching

2013 Salomon grant for course, Brown University (PI: Song $500)
Department shared equipment purchase for course teaching

SERVICE

Department and University Service

2011, 2013 Presenter for Perception & Action area on prospective graduate student interview day

2012-present Faculty mentoring network for African American, Latino, Asian/Asian American, and Native American students

2012 Cognitive neuroscience curriculum review committee

2013 Cognitive science curriculum review committee

2013-present Cognitive science honors thesis committee

2014 Faculty panel for Women in Mind

2014 BEARCORE Speaker, OVPR

2014 Summer Pre-College Program, Faculty Lunch Series Speaker

2014 Buildup of a shared infrastructure (EEG and SMI Eye tracker) at Metcalf, supported by NIH COBRE

2014-present CLPS Colloquium committee

2015 Faculty Mentor, Young Scholars Conference, Brown University

Professional Service

Workshop

2014 Faculty panel: Vision Sciences Society Workshop for PhD Students and Postdocs: *How to Transition from Postdoc to Professor?*

10-week summer research mentor for underrepresented undergraduates

2014, 2015 Faculty Mentor for the Blueprint Program for Enhancing Neuroscience Diversity through Undergraduate Research Education Experiences (BP-ENDURE)

2015 Faculty Mentor for Leadership Alliance Summer Research-Early Identification Program (SR-EIP)

Review

2010-present F1000 Associate Faculty Member

Ad hoc review: Acta Psychologica; Attention, Perception, Psychophysics; Brazilian Journal of Medical and Biological Research; Cognition; Cognitive Science; Cognitive, Affective, and Behavioral Neuroscience; Current Biology; Current directions in Psychological Science; Experimental Brain Research; Human Brain Mapping; Journal of Experimental Psychology: Human Perception & Performance; Journal of Neurophysiology; Journal of Neuroscience; Journal of Vision;

Nature Neuroscience; Neuropsychologia; PLoS ONE; Psychological Sciences; Vision Research.

Grant and abstract review

2010 Macquarie Research Fellowship, Macquarie University, Australia

2012 Marsden Fund, New Zealand

2012 Israel Science Foundation Grant (ISF), Israel

2014 BBSRC Grant, UK

2014 Conference abstract review: Computational and Systems Neuroscience (Cosyne)

2015 The Hong Kong Institute of Education, General research fund.

External Ph.D. dissertation examiner

2015 Department of Psychology, University of Birmingham, UK.

Community Service

2014 Workshop in Annual Science Conference, Vartan Gregorian Elementary School, Providence, RI

ACADEMIC HONORS, FELLOWSHIPS & AWARDS

1994-1998 Dean's list, Seoul National University, Seoul, Korea
University fellowship award

1998 Walden Award, Dept. of psychology, Seoul National University, Seoul, Korea.
Best B.A. Thesis of The Year

1998 University President's Award for Graduation, Seoul National University, Seoul, Korea.
V*aledictorian of the College of Social Sciences*

2001-2006 Fellow, Korea Foundation for Advanced Studies, Seoul, Korea.
5 year fellowship for Ph.D abroad

2004 Certificate of Distinction in Teaching, Harvard University, Cambridge, MA.
Teaching award based on anonymous student evaluation

2004 Graduate Society Summer Fellowship, Harvard University, Cambridge, MA.

2006 Harvard Merit Fellowship, Harvard University, Cambridge, MA.

2006 Fellowship Award for APA Advanced Training Institute in functional Magnetic Resonance Imaging at MGH, Charlestown, MA

2006 Fellowship Award for Summer Institute in Cognitive Neuroscience at Dartmouth College, Hanover, NH

2009 Society for the Neural Control of Movement Post-Doc Scholarship

TEACHING & MENTORING

Regular Courses

Fall 2010 CLPS 1580A Visually-guided action and cognitive processes (12 enrolled)

Spring 2011 CLPS 2500 Core topics in perception (15 enrolled)

Fall 2012 CLPS 1580A Visually-guided action and cognitive processes (11 enrolled)

Fall 2012 CS 237 Interdisciplinary Scientific Visualization (Independent faculty sponsor for 2 students)

Spring 2013 CLPS 2500 Core Topics in Perception (15 enrolled)

Fall 2013 CLPS 1580B Visual Attention (3 enrolled and 1 audit)

Spring 2014 CLPS 0500 Perception and Mind (40 enrolled)

Fall 2014 CLPS 0500 Perception and Mind (36 enrolled)

Spring 2015 (Junior Sabbatical)

Fall 2015 CLPS 0500 Perception and Mind (59 enrolled)

Independent Studies & Practicum in teaching

Fall 2010 CLPS 1970 Independent study (with Leslie Welch): Melissa Bowe

Spring 2011 CLPS 1970 Independent study: Nicholas Varone, Searge Lobatch

Fall 2011 CLPS 2091 Graduate First Year Project Research: Ryo Kyung Lee

Spring 2012 CLPS 2092 Graduate first year project research: Ryo Kyung Lee

Fall 2012 CLPS 1980 Directed Research in CLPS: Kassie Kelly (**Awarded UTRA, working with Song*)

Fall 2012 CLPS 2096 Directed Graduate Research: Ryo Kyung Lee

Spring 2013 CLPS 1980 Directed Research in CLPS: Kassie Kelly (**Honors thesis*)

Fall 2013 CLPS 2091 Graduate First Year Project Research: Christine Gamble
(**Awarded NSF pre-doctoral fellowship*)

Spring 2014 CLPS 2092 Graduate First Year Project Research: Christine Gamble

Spring 2014 CLPS 2096 Directed Graduate Research: Christine Gamble

Spring 2014 CLPS 2095 Practicum in Teaching: Ji Won Bang

Spring 2014 BIOL 1960 Directed Research/Independent Study: Michelle Koh
(**Awarded PLME Summer Research Fellowship, working with Song*)

Fall 2014 CLPS 2096 Directed Graduate Research: Christine Gamble

Fall 2014 CLPS 2095 Practicum in Teaching: Christine Gamble

Fall 2014 BIOL 1960 Directed Research/Independent Study: Michelle Koh

Fall 2014 NEUR 1970 Independent Study: Stephanie SSong

Spring 2015 BIOL 1960 Directed Research/Independent Study: Michelle Koh (**Honors thesis*)

Spring 2015 NEUR 1970 Independent Study: Jiyoon Song (**Awarded UTRA, working with Song*)

Spring 2015 CLPS 2096 Directed Graduate Research: Christine Gamble

Fall 2015 CLPS 2091 Graduate First Year Project Research: Jianfei Guo

Fall 2015 CLPS 2096 Directed Graduate Research: Christine Gamble

Fall 2015 CLPS 2095 Practicum in Teaching: Christine Gamble

Fall 2015 NEUR 1970 Independent Study: Stephanie Song

Mentoring

Post-docs:

- Primary advisor

2011-2014 Jeff Moher, Ph.D (Currently, Visiting professor, Williams College)
**Awarded Center for Vision Research post-doc grant (2011-12, PI: Song, $42,000)*
**Award NIMH Brown Training program in Systems and Behavioral Neuroscience (T32 MH019118-19, 2012-2013, Sponsor: Song, $42,500)*

2014-2015 Hee Yeon Im, Ph.D (Currently, Post-doc, Harvard Medical School)
**Awarded Center for Vision Research post-doc fellowship (2014, PI: Song, $13,742)*

2014-present Dan McCarthy, Ph.D
**Awarded NSF SBE post-doc grant (2015-2018, Co-PI: Song, $*234,000*)*

2015-present Tony Wang, Ph.D

2015-present Hsin-Mei Sun, Ph.D

- Co-supervisor

2010-2015 Patrick Bédard, Ph.D (Neuroscience, Research Assistant Professor)

Graduate students:

- Primary advisor

2011-2013 Ryo Kyung Lee (CLPS, '13 ScM)

2013-2014 Kassandra Kelly (CLPS, '14 ScM)

2013-present Christine Gamble (CLPS, 3rd year): **Awarded NSF Pre-Doctoral Fellowship (2014-2017)*

2015-present Jianfei Guo (CLPS, 1st year)

- Sponsor

2013 Yuwen Zeng (Zheijang University, China), visiting student

2013-2014 Heysol Bermudez (Neuroscience), rotation student

- Committee member

2011-2013 Heida Sigurdardottir (Neuroscience, '13 Ph.D): Dissertation

2011-present Lachlan Franquemont (Neuroscience, '15 Ph.D): Prelim and Dissertation

2011-2014 Huaiyong Zhao (CLPS, '14 Ph.D): 1st year project and Dissertation

2012-2014 Li-Hung Chang (CLPS, '14 Ph.D): Prelim and Dissertation

2013-2014 Kevin Rio (CLPS, '14 Ph.D): Dissertation

2013-present Xuan Zhao (CLPS): Prelim and Dissertation

2013-2015 Christopher Erb (CLPS, '15 Ph.D): Dissertation

2014-2015 Ji Won Bang (CLPS, '15 Ph.D): Prelim and Dissertation

2014-2015 Trenton Wirth (CLPS): 1st year project

2015- present Brittany Baxter (CLPS): 1st year project

Undergraduate students: *Research mentoring*

2010-2011 James Sedgwick (CS)

2010-2012 Michael Dixon (CLPS)

2010-2012 Michaela Lewis (Neuroscience)

2011-2014 Kassandra Kelly (CLPS): **Awarded Undergraduate Teaching and Research Award (UTRA) (2013)*

2012-2015 Jonathan Sit (Biology): **Awarded Janey Scholars Fellowship for Summer Research (2012, 2013)*

2013-present Chloe Kliman-Silver (CS)

2014-2015 Michelle Koh (Biology): **Awarded PLME Summer Research Fellowship (2014)*

2014 Kyle Schoolcraft (Rhode Island College, RI)

2014 Shekinah Phillips (Agnes Scott College, GA): ** BP-Endure summer student*

2014 Filipe Peres (Universidade Federal do Rio Grande do Sul, Brazil): **Awarded Brazil Scientific Mobility Program Fellowship (2014)*

2014- present Stephanie Song (Neuroscience): **Awarded Undergraduate Teaching and Research Award (UTRA) (2015)*

2015 Elyce Williams (Hunter College, NY): ** BP-Endure summer student*

2015 Nadira Yusif (University of Puerto Rico): ** SR-EIP summer student*

2015 Risako Kimura (Neuroscience)

2015- present Michelle Lin (Neuroscience)

2015- present Vicky Zhang (Neuroscience)

2015- present Jennifer Flaherty (CS)