

Andy Jeesu Kim

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Texas A&M Institute for Neuroscience
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01. EDUCATION

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|----------------|-------|--|
| 2017 – Present | Ph.D. | <ul style="list-style-type: none">• Neuroscience<ul style="list-style-type: none">- Department of Psychological & Brain Sciences- Texas A&M Institute for Neuroscience- Texas A&M University, College Station, TX, USA- Advisor: Brian A. Anderson |
| 2017 | M.S. | <ul style="list-style-type: none">• Biomedical Science<ul style="list-style-type: none">- Department of Veterinary Integrative Biosciences- Texas A&M University, College Station, TX, USA |
| 2013 | B.S. | <ul style="list-style-type: none">• Physiology & Neuroscience<ul style="list-style-type: none">- University of California: San Diego, La Jolla, CA, USA |

02. HONORS & AWARDS

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| Summer 2019 | <ul style="list-style-type: none">• Saul Sells Research Award (\$3000)<ul style="list-style-type: none">- Department of Psychological & Brain Sciences- Declined due to funding conflict |
| Spring 2019 | <ul style="list-style-type: none">• Graduate and Professional Student Council (GPSC) Travel Award (\$500)<ul style="list-style-type: none">- Type I Travel Award |
| Fall 2018 | <ul style="list-style-type: none">• 3rd Place Poster Award<ul style="list-style-type: none">- Society for Neuroscience Symposium (TAMU Chapter) |
| Fall 2017 | <ul style="list-style-type: none">• Department Head Funding for fMRI Pilot Scans (\$2000)<ul style="list-style-type: none">- Department of Psychological & Brain Sciences |
| Fall 2017 | <ul style="list-style-type: none">• Grant Fellowship Preparation Award (\$1500)<ul style="list-style-type: none">- Department of Psychological & Brain Sciences |
| Fall 2010 | <ul style="list-style-type: none">• William H. Stout Merit Scholarship (\$500)<ul style="list-style-type: none">- University of California: San Diego |

03. RESEARCH EXPERIENCE

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| 2014 – Present | <ul style="list-style-type: none"> • Graduate Student (Texas A&M University) <ul style="list-style-type: none"> - Ph. D. Neuroscience - Advisor: Brian A. Anderson (<i>2017-Present</i>) - fMRI w/ concurrent eye-tracking (Eyelink 1000 plus) fMRI data analysis (AFNI) Psychophysics behavioral studies MATLAB (Psychtoolbox) GSR Level 2 fMRI operator - M.S. Biomedical Science - Advisor: Gladys Ko (<i>2014-2017</i>) - Electoretiongram Funduscopy Fluorescein angiography imaging Fluorescence microscopy Cell culture Western blot PCR IHC Mouse husbandry |
| 2014 | <ul style="list-style-type: none"> • Intern (Stanford University) <ul style="list-style-type: none"> - PI: Xiaoke Chen - Introduced to Two-photon calcium imaging |
| 2012 | <ul style="list-style-type: none"> • Research Assistant (University of California: San Diego) <ul style="list-style-type: none"> - PI: Laura Schreibman & Sarah Dufek - Autism Intervention Research Program |

04. TEACHING EXPERIENCE

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|-------------------------|--|
| Fall 2015 – Spring 2019 | • Teaching Assistant (Texas A&M University) |
| Spring 2019 | PSYC 360. <i>Health Psyc & Behav Med</i> (Michale Sferra) |
| Spring 2018 | PSYC 302. <i>Experimental Psychology</i> (Vani Mathur)
<i>Section 911: PICA Teaching Eval – 4.87/5.00</i> |
| Fall 2017 | PSYC 302. <i>Experimental Psychology</i> (Vani Mathur)
<i>Section 909: PICA Teaching Eval – 4.32/5.00</i> |
| Spring 2017 | VIBS 243. <i>Intro to Histology</i> (Larry Johnson)

VIBS 443/602. <i>Histology</i> (Greg Johnson) |
| Fall 2016 | NRSC 277. <i>Intro to Neuroscience</i> (Gladys Ko)
<i>Taught Lecture 12: The Visual System</i>

VIBS 243. <i>Intro to Histology</i> (Larry Johnson) |

Taught Lectures 5-6: Peripheral Nerve, Muscle

Spring 2016	VIBS 443/602. <i>Histology</i> (Larry Johnson)
Fall 2015	VIBS 450. <i>Mammalian functional neuroanatomy</i> (Gladys Ko)
	VIBS 443/602. <i>Histology</i> (Greg Johnson)

05. MENTORSHIP

• Research Assistants

Fall 2018 - Present	<i>David Sangji Lee</i> Project: Threat on ACVS Task <ul style="list-style-type: none">- Kim, A. J., Lee, D. S., Anderson, B. A. (submitted). The influence of threat on the efficiency of goal-directed attentional control.- Poster presented at Psychonomics annual conference 2019 and LAUNCH: Undergrad research presentation at Texas A&M Summer 2019.
Fall 2018 – Spring 2019	<i>Catherine Hering</i> Project: Threat on Contingent Capture <ul style="list-style-type: none">- Kim, A. J., Hering, C., & Anderson, B. A. (2019). The threat of shock on goal-directed attentional capture.- Poster presented at Student Research Week 2019 and TAMIN symposium 2019.- 2nd Place Undergraduate Poster for Liberal Arts at Student Research Week 2019

06. ACADEMIC SERVICE

2019 - Present	• Ad Hoc Reviewing <i>Advances in Cognitive Psychology</i> • University/Department Service
Feb 2019	Aggieland Saturday (TAMU) <ul style="list-style-type: none">- Introduce cognitive neuroscience research to prospective undergraduates
March 2019	TAMU Student Research Week 2019 Poster Session Judge
April 2019	Texas A&M Institute for Neuroscience (TAMIN) 2019

Symposium Poster Session Judge

**07. PEER-REVIEWED
PUBLICATIONS**

Google Scholar: Citations = 49, h-index = 4, i10-index = 1

Under Review/In-Prep (n=5)

Kim, A. J., & Anderson, B. A. (in prep). Inter-trial priming of monetary reward with social reward.

Kim, A. J., Lee, D. S., Anderson, B. A. (under review). The influence of threat on the efficiency of goal-directed attentional control.

Goddard, T., McDonald, A.D., Alambeigi, H., **Kim, A. J.**, Anderson, B. A. (under review). Drivers' attitudes and unsafe behavior toward bicyclists: Linking driving simulation with implicit bias and survey data.

Kim, A. J., & Anderson, B. A. (in prep). Arousal-biased competition explains reduced distraction by reward cues under threat.

Anderson, B. A., & **Kim, A. J.** (submitted). Selection history-driven signal suppression.

Published (n=9)

In-press/Accepted-in-principle

Anderson, B. A., Kim, H., Britton, M. K., & **Kim, A. J.** (in press). Measuring attention to reward as an individual trait: The value-driven attention questionnaire (VDAQ). *Psychological Research*.

Kim, A. J., & Anderson, B. A. (2019, accepted in principle). The effect of concurrent reward on aversive information processing in the brain. *NeuroImage*. doi: 10.17605/OSF.IO.56ZGV

Kim, A. J., & Anderson, B. A. (in press). Neural correlates of attentional capture driven by stimuli previously associated with social reward. *Cognitive Neuroscience*.

Kim, A. J., & Anderson, B. A. (in press). Threat reduces value-driven but not salience-driven attentional capture. *Emotion*.

2017

Kim, A. J., Chang, J. Y-A., Shi, L., Chang, R. C-A., Ko, M. L. & Ko, G. Y. P. (2017).

The effects of metformin on obesity-induced dysfunctional retinas. *Investigative Ophthalmology & Visual Science*, 58(1) 106-118.

2016

Shi, L., **Kim, A. J.**, Chang, R. C. A., Chang, J. Y. A., Ying, W., Ko, M. L., Zhou, B., & Ko, G. Y. P. (2016). Deletion of miR-150 exacerbates retinal vascular overgrowth in high-fat-diet induced diabetic mice. *PloS one*, 11(6), e0157543.

2015

Huang, C. C., Shi, L., Lin, C. H., **Kim, A. J.**, Ko, M. L., & Ko, G. Y. P. (2015). A new role for AMP-activated protein kinase in the circadian regulation of L-type voltage-gated calcium channels in late-stage embryonic retinal photoreceptors. *Journal of Neurochemistry*, 135, 727-741.

Chang, R. C., Shi, L., Huang, C. C., **Kim, A. J.**, Ko, M. L., Zhou, B., & Ko, G. Y. (2015). High-fat-diet induced retinal dysfunction. *Investigative Ophthalmology & Visual Science*, 56: 2367-2380.

Shi, L., Ko, S., Ko, M. L., **Kim, A. J.**, & Ko, G. Y. (2015). Peptide lv augments L-type voltage- gated calcium channels through vascular endothelial growth factor receptor 2 (VEGFR2) signaling. *Biochimica Et Biophysica Acta (BBA)-Molecular Cell Research*, 1853(5), 1154-1164.

08. CONFERENCE PRESENTATIONS

International (n=8)

2019

Kim, A. J., Lee, D. S., Anderson, B. A. (November 2019). "Threat improves performance in a goal-directed visual search task." Poster presented at Psychonomics Annual Conference.

Kim, A. J., Anderson, B. A. (November 2019). "Arousal-biased competition explains reduced distraction by reward cues under threat." Poster presented at Object Perception, Visual Attention, and Visual Memory (OPAM) Annual Meeting.

Goddard, T. B., Anderson, B. A., **Kim, A. J.**, A. McDonald. (November 2019). "Drivers

attitudes and behavior toward bicyclists: Linking driving simulation with implicit bias and survey data.” Paper presented at 8th Annual International Cycling Safety Conference.

Anderson, B. A., Kim, H., Britton, M. K., & **Kim, A. J.** (May 2019). “Distinguishing between punishment vs negative reinforcement learning in the control of attention. Paper presented at annual meeting of Vision Sciences Society.

Kim, A. J., Anderson, B. A. (March 2019). “Threat reduces value-driven but not salience-driven attentional capture.” Poster presented at Cognitive Neuroscience Society Annual Meeting.

2018

Kim, A. J., Anderson, B. A. (November 2018). “Neural correlates of attentional capture driven by social reward.” Talk given at Object Perception, Visual Attention, and Visual Memory (OPAM) Annual Meeting.

Kim, A. J., Anderson, B. A. (May 2018). “Value-driven attentional capture under threat of shock.” Poster presented at the Vision Sciences Society (VSS) Annual Meeting.

2016

Kim, A. J., Ko, G. Y. (May 2016). “The effects of metformin treatment in high-fat-diet (HFD) induced diabetic mice.” Poster presented at the Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting.

Local (n=10)

2019

Anderson, B. A., Kim, H., **Kim, A. J.**, Gregoire, L., Liao, M-R. (October 2019). Reward and punishment bias attention through a common underlying mechanism. Talk presented at Memory Attention Decision-making Intelligence Learning Language Organization (ARMADILLO).

Kim, A. J., Lee, D. S.*, Anderson, B. A. (July 2019). The influence of threat on the efficiency of goal-directed attentional control. Poster presented by RA* during LAUNCH: Undergrad research presentation at Texas A&M University.

Kim, A. J., Hering, C.*, & Anderson, B. A. (April 2019). The threat of shock on goal-

directed attentional capture. Poster presented by RA* at Texas A&M Institute for Neuroscience (TAMIN) Symposium.

Goddard, T., Anderson, B. A., McDonald, A. D., **Kim, A. J.** (April 2019). Drivers' attitudes and behavior toward bicyclists: linking driving simulation with implicit bias and survey data. Poster presented at President's excellence fund symposium.

Kim, A. J., Hering, C.*, & Anderson, B. A. (March 2019). The threat of shock on goal-directed attentional capture. Poster presented by RA* during Student Research Week at Texas A&M University.

2018

Kim, A. J., Anderson, B. A. (December 2018). "Threat reduces value-driven but not salience-driven attentional capture." Poster presented at the Texas A&M Chapter of the Society for Neuroscience (SfN).

Kim, A. J., Anderson, B. A. (September 2018). "Threat reduces value-driven but not salience-driven attentional capture." Poster presented at the Association for Research on Memory Attention Decision-making Intelligence Learning Language Organization (ARMADILLO).

Kim, A. J., Anderson, B. A. (March 2018) "Value-driven attentional capture under threat of shock." Poster presented during Student Research Week at Texas A&M University.

2017

Kim, A. J., Anderson, B. A. (October 2017) "Choosing the double-edged sword: Decision-making when reward and punishment learning conflict." Poster presented at the Association for Research on Memory Attention Decision-making Intelligence Learning Language Organization (ARMADILLO).

2016

Kim, A. J., Shi, L., Ko, G. Y. (April 2016). "The effects of metformin treatment on retinal health in obesity-induced diabetic mice." Poster presented at the 2nd Texas A&M Nutrition Obesity Research Symposium.