

Kao-Wei Chua

Postdoctoral Scholar
Department of Psychology
New York University

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CURRENT POSITION

September 2017 – present: **New York University**

- Postdoctoral Research Fellow
- Advisor: Jonathan B. Freeman
- Research: Effects of Learning and Experience on Face-Based Social Judgments

EDUCATION

August 2011 – August 2017: **Vanderbilt University**

- Ph.D student in Psychology: Cognitive and Cognitive Neuroscience
- Advisor: Isabel Gauthier
- Research: Examining the Effect of Training and Learned Attention on Object and Face Perception/Perceptual Expertise.

August 2004 – May 2008: **University of Georgia**

- Bachelor of Science in Psychology, May 2008
- Overall GPA: 3.83/4.00, Major GPA: 3.87/4.00
- Graduated Magna Cum Laude with Honors

August 2007 – December 2007: **Study Abroad at Oxford**

- Tutorials in Abnormal and Developmental Psychology with Dr. Mark Buckley

GRANT FUNDING

- National Science Foundation Social, Behavioral, and Economics Research Fellowship (\$138,000 for two years, September 2019 - September 2021)
- Fellowship extension granted until March 2022 (\$27,000 for six months)

HONORS & AWARDS

- University of Georgia Charter Scholarship (2004-2008)
- University of Georgia Honors Program (2004 – 2008)
- Presidential Scholar 2004, 2006, 2007, 2008
- University of Vanderbilt Graduate Award (\$6000/year from 2011-2016)
- University of Vanderbilt Summer Research Award (\$1800 to conduct research at the University of Victoria, British Columbia), 2012
- 2011 National Science Foundation – Honorable Mention
- 2012 National Science Foundation Fellow – August 2012 – August 2015

PREDOCTORAL RESEARCH EXPERIENCE

July 2009 – August 2011: Infant and Toddler Development Center at the University of Pittsburgh

- PI: Mark Strauss
- Research Assistant and Data Manager

- Behavioral and Eyetracking work in populations with autism spectrum disorder (ASD), face processing, categorization and prototype formation.
- Language development in infants at risk for ASD.

January 2007 – May 2008: University of Georgia Psychophysics Lab

- PI: James Brown
- Undergraduate Research Assistant
- Psychophysical work on visual attention and the magnocellular and parvocellular pathways in vision
- Undergraduate Honors Thesis: “The Effects of Relative Magno and Parvocellular Pathway Activity on Two Flash Detection Thresholds.”

PUBLICATIONS

Chua, K-W., & Freeman, J.B. (in preparation). Individual Differences in Trait Evaluation based on Physiognomic Belief.

Chua, K-W., & Freeman, J.B. (in preparation). A Short Training Reduces Reliance on Trustworthiness Face Features For Legal Sentencing Decisions.

Chua, K-W., & Freeman, J.B. (2021). Learning to Judge a Book by Its Cover: Rapid Acquisition of Facial Stereotypes. *Journal of Experimental Social Psychology*.

Chua, K-W., & Freeman, J.B. (2020). Facial Stereotype Bias is Mitigated By Training. *Social Psychological and Personality Science*. 1-10.

Chua, K-W., & Gauthier, I. (2020). The Vanderbilt Holistic Processing Test for Novel Objects: Validation in Novice Participants. *Journal of Expertise*.

Chua, K-W., & Gauthier, I. (2020). Domain-specific Experience Determines Individual Differences in Holistic Processing. *Journal of Experimental Psychology: General*. 149 (1), 31-41.

Chua, K-W., Richler, J.J., & Gauthier, I. (2018). How Holistic Processing Relates to Cognitive Control and Intelligence. *Attention, Perception, and Psychophysics*. 80 (6), 1449-1460.

Chua, K-W., Bub, D., Masson, M., Gauthier, I (2018). Grasp Actions Depend on Knowledge and Attention. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. 44(2), 268-279.

Chua, K-W., & Gauthier, I. (2016). Category-specific learned attentional bias to object parts. *Attention, Perception, & Psychophysics*. 78(1), 44-51.

Chua, K-W., Richler, J. J., & Gauthier, I. (2015). Holistic processing from learned attention to parts. *Journal of Experimental Psychology: General*. 144(4), 723-729.

Chua, K-W., Richler, J. J., & Gauthier, I. (2014). Becoming a Lunari or Taiyo Expert: Learned Attention to Parts Drives Holistic Processing of Faces. *Journal of Experimental Psychology: Human Perception and Performance*. 1174-1182.

Chua, K-W., Bub, D. N., Masson, M. E., & Gauthier, I. (2013). Long-term memory representations for volumetric grasps. *Visual Cognition*. 21(6), 682-685.

Chua, K-W., & Gauthier, I. (2013). Lunari Face Expertise: Holistic processing depends on experience with diagnostic parts. *Journal of Vision*. 13(9), 93-93.

CONFERENCE TALKS

Gauthier, I., **Chua, K.W.** (2019). Domain-specific experience determines individual differences in holistic processing. Talk presented at the Vision Sciences Society, St. Pete Beach, FL. May.

Chua, K.W. & Freeman, J. (2019). The Malleability of Trait-Based Attributions. Symposium talk at the Society for Personality and Social Psychology. Symposium: The Face of the Other. Portland, OR. February.

Chua, K-W., Bub, D., Masson, M., & Gauthier, I. (2013). Grasping Novel Objects. Talk presented at the Perceptual Expertise Network Workshop, Pittsburgh, PA. April.

Chua, K-W., & Gauthier, I. (2013). Holistic face processing depends on experience with diagnostic face parts. Talk presented at Society for Research in Child Development, Seattle, WA. April.

Chua, K-W., Bub, D. N., Masson, M. E., & Gauthier, I. (2013). Long-term memory representations for volumetric grasps. Talk presented at Object Perception and Memory Meeting, Toronto. November.

Chua, K-W., & Gauthier, I. (2012). Holistic Processing in a Novel Race of Faces. Talk presented at the Perceptual Expertise Network Workshop. Austin, TX. December.

POSTER PRESENTATIONS

Chua, K-W., Freeman, J.B. (2020). Training Can Reduce Both Explicit and Implicit Face Evaluation. Presented at the Society for Personality and Social Psychology. New Orleans, LA. February.

Chua, K-W., Gauthier, I. (2015). Probability Cuing Alone is Insufficient for Holistic Processing. Presented at the Object Perception and Memory Conference, Chicago, IL. November.

Chua, K-W., Gauthier, I. (2015). Learned Attention in an Object-Based Frame of Reference. Presented at the Vision Sciences Society, St. Pete Beach, FL. May.

Chua, K-W., Richler, J.J., Gauthier, I. (2014) Does acquisition of holistic processing for novel objects depend on experience with diagnostic parts? Presented at the Vision Sciences Society, St. Pete Beach, FL. May.

Chua, K-W., & Gauthier, I. (2013). Holistic face processing depends on attention to diagnostic face parts. Presented at Vision Sciences Society, Naples, FL. May.

Chua, K-W., Green, S., Wexler, D., Strauss, M.S. (2011). An Eye-Scanning Approach to Studying Receptive Language in Typically Developing Infants. Presented at the Society for Research in Child Development (SRCD) in 2011.

Green, S., **Chua, K-W.**, Wexler, D., Strauss, M.S. (2011). An Eye-Scanning Approach to Measuring Receptive Language Abilities in Infants at High and Low Risk for Autism. Presented at the International Meeting for Autism Research (IMFAR) in 2011.

Strauss, M.S., Gastgeb, H., **Chua, K-W.**, Green, S., Hannigen, S., & Wilkinson, D. (2010). The Abstraction of Prototypes by Infants at Low and High Risk for Autism. Presented at the International Meeting for Autism Research (IMFAR 2010).

Chua, K-W. (2007). Effects of Objects and Spatial Frequency on Location-Based Inhibition of Return. Psi Chi's 30th Annual Convention of the Behavioral Sciences at the University of Georgia.

PROFESSIONAL ACTIVITIES

Ad-hoc Reviewer

Attention, Perception, and Psychophysics

Cognition

Cognitive Science

Journal of Experimental Psychology: General

Journal of Experimental Psychology: Learning, Memory, and Cognition

Journal of Expertise

Journal of Vision

NeuroImage

PLOS ONE

Psychological Research

Quarterly Journal of Experimental Psychology

Professional Affiliations

Psychonomic Society

Vision Sciences Society (VSS)

Society for Personality and Social Psychology (SPSP)

TEACHING EXPERIENCE

Teaching Assistant, *Introduction to Psychology*, Vanderbilt University, 2017, Instructor: Isabel Gauthier.

Teaching Assistant, *Introduction to Psychology*, Vanderbilt University, 2016, Instructor: Elisabeth Sandberg.

Instructor, *The Psychology of Film*, Vanderbilt Summer Academy, 2015, 2016, 2017.

Grader, *Mind and Brain*, Vanderbilt University, 2014. Instructor: Frank Tong.

Grader, *Introduction to Psychology*, Vanderbilt University, 2013. Instructor: Isabel Gauthier.

Instructor, *Introduction to Statistics*, Vanderbilt University, 2013.

Teaching Assistant, *Human Sexuality*, Vanderbilt University, 2012, Instructor: Leslie Smith.

PROFICIENCIES

Programming:

MATLAB, R, LiveCode, Tobii Eyetracking Software, Javascript

Data Analysis:

MATLAB, R, SPSS, DataDesk

REFERENCES

Isabel Gauthier (isabel.gauthier@vanderbilt.edu)

Graduate Advisor

Thomas Palmeri (tom.palmeri@vanderbilt.edu)

Dissertation Committee Member

Daniel Levin (daniel.t.levin@vanderbilt.edu)

Dissertation Committee Member

Jonathan Freeman (jon.freeman@nyu.edu)

Postdoctoral Advisor