

SARINA HUI-LIN CHIEN

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Associate Professor

Office: 886-4-22053366 ext. 8202

Graduate Institute of Neural & Cognitive Sciences

Mobile: 886-918627572

China Medical University, Taichung

Email: sarinachien@mail.cmu.edu.tw

91 Hsueh-Shih Road, Taichung, 40402, Taiwan

<http://www2.cmu.edu.tw/~infantlab/>**EDUCATION**

- 2003 **Ph.D. in Psychology / Developmental & Cognitive areas**
 Department of Psychology, University of Washington, Seattle, WA, USA .
 Advisor: Dr. Davida Y. Teller, Co-advisor: Dr. John Palmer.
- 1995 **M.S. in Psychology**
 Graduate Institute of Psychology, National Chung-Cheng University, Taiwan.
- 1993 **B.S. in Botany**
 Department of Botany, National Taiwan University, Taipei, Taiwan.

APPOINTMENTS

- 2016.3 ~8 **Visiting Scholar**
 Taiwanese Top-Notch University Strategic Alliance Scholar Exchange Program
 Department of Psychology, Center for Early Childhood Development
 University of Chicago, Chicago, IL, USA. (Sponsor: Dr. Amanda Woodward)
- 2014-2016 **Director**
 Center for Public Relations, Office of International & Public Affairs,
 China Medical University, Taichung, Taiwan.
- 2012-2014 **Executive Director**
 International Collaboration Division, Office of International Affairs
 China Medical University, Taichung, Taiwan.
- 2011-2016 **Associate Professor**
 Graduate Institute of Neural & Cognitive Sciences
 China Medical University, Taichung, Taiwan.
- 2007-2011 **Assistant Professor**
 Graduate Institute of Neural & Cognitive Sciences
 China Medical University, Taichung, Taiwan.
- 2006-2007 **Postdoctoral Research Fellow** (Mentor: Dr. Chien-Chung Chen)
 Visual Neuroscience Laboratory, Department of Psychology
 National Taiwan University, Taipei, Taiwan.
- 2003-2004 **Postdoctoral Research Associate** (Mentor: Dr. Yuko Munakata)
 Cognitive Development Center, Department of Psychology
 University of Colorado, Boulder, CO, USA.

1997-2003 **Graduate Student Research Assistant** (Mentor: Dr. Davida Y. Teller)
 Infant Vision Laboratory, Department of Psychology, University of
 Washington, Seattle, WA, USA.

HONORS AND AWARDS

- 2016.1 Recipient of Taiwanese Top-Notch University Strategic Alliance Scholar Exchange Program to the University of Chicago.
- 2015.8 Mentor's Award for sponsoring Taiwan Tech Trek Summer Student Internship, Ministry of Science and Technology, Taipei, Taiwan.
- 2015.6 Mentor's Award for Creative Undergraduate Research Grants, Ministry of Science and Technology, Taipei, Taiwan.
- 2015.6 Outstanding Teaching Material Award for general education course "*Dialogues between the Mind and Brain*", China Medical University, Taichung, Taiwan
- 2014.10 Outstanding Mentor's Award, China Medical University, Taichung, Taiwan
- 2012.11 Teaching Excellence and Innovation Award at University Level, China Medical University, Taichung, Taiwan
- 2012.10 Teaching Excellence and Innovation Award at College Level, China Medical University, Taichung, Taiwan
- 2011, 2012 Twice Nominee, Dr. Da-Yu Wu's Memorial Award for Outstanding Young Investigators, National Science Council, Taiwan
- 2011, 2012 Twice Recipient, Excellent Research Presentation Award, Taiwanese Psychology Association, Taiwan
- 2011.10 Outstanding Mentor Award, China Medical University, Taichung, Taiwan
- 2011 Enlisted in the *Who's Who in the World 2012* (29th edition), Marquis Who'sWho Publications, NJ, USA
- 2009.11 Visitorship Travel Grant Recipient, University of Hong Kong, Hong Kong, SAR
- 2003-2004 Postdoctoral Fellowship of Developmental Cognitive Neurosciences, University of Colorado, Boulder, CO, USA
- 2002-2003 Social Sciences Dissertation Fellowship for 2002-03, The Graduate School, University of Washington, Seattle, WA, USA
- 2001 Cold Spring Harbor Laboratory Summer Course Fellowship on "Function, Structure, and Development of the Visual System." NY, USA
- 2000, 2001 Excellence and Innovation Graduate Student Travel Award, University of Washington, Seattle, WA, USA

- 1999-2000 Royalty Research Fund Fellowship, University of Washington, Seattle, WA,
 1997-1999 UW Graduate School Fellowship, University of Washington, Seattle, WA,
 USA)
 1995, 1996 President's Award (graduate level), National Chung-Cheng University, Chia-
 Yi, Taiwan
 1995 Master Thesis Award, Prof. Hsiang-Yu Su Memorial Fellowship, Chinese
 Psychology Association, Taipei, Taiwan.
 1991 Dean's Award, College of Sciences, National Taiwan University, Taipei,
 Taiwan
 1989-1993 National Science Council Fellowship for Scientifically Gifted Students in
 Biological Sciences.

AWARDED RESEARCH GRANTS

Extramural & Intramural Grants Served as Principle Investigator since 2007:

Grants in progress:

- 2016-2018 "Exploring the development of aesthetic preferences in infancy with eye tracker and magnetoencephalogram (MEG): Effect of contrast polarity and eye size on spontaneous preferences for natural scenes and faces". Ministry of Science and Technology, Integrated Brain and Mind Research Grant (MOST-105-2420-H-039 -001-MY3, 2016/1-2018/12).
- 2016-2019 Subproject 3: "Novel NMDA modulation for enhancing perceptual sensitivity for face and biological motion recognition in PD-D patients" Ministry of Science and Technology Integrated Grant (MOST-105-2420-H-039 -001-MY3, 2016/1-2018/12)
- 2014-2017 "Developing the fifth core knowledge: Exploring the relation and development between the other-race effect and race-based social preferences in infants and children" Ministry of Science and Technology Multi-Year Grant (MOST-103-2410-H-039-002-MY3, 2014/8-2017/7)
- 2016-2017 "Comparing the performance of face and object perception in healthy adults and adults with Asperger's syndrome: Using a morphing card sorting task" China Medical University Merit Grant (CMU105-SR-04, 2016/8-2017/2)
- 2015-2016 "Exploring the relation between biological motion perception sensitivity and degree of autistic trait in healthy adults and adults with Asperger's syndrome" China Medical University Merit Grant (CMU104-SR-77, 2015/8-2016/2)

Grants completed:

- 2014-2015 "Testing the encoding advantage hypothesis for faces of own-race over other-

- race in Taiwanese participants: A morphed face study" China Medical University Merit Grant (CMU103-SR-10, 2014/8-2015/2)
- 2014.7 "Travel Grant for the 10th Asia Pacific Conference on Vision 2014 (APCV), Takamatsu, Japan. Ministry of Science and Technology Travel Grant for International Collaborations (MOST-103-2914-I-039-004-A1, 2014/7-2014/8)
- 2013-2014 "Judgments in perceptual similarities: Exploring children's perceptual sensitivity for topological versus geometric cues with picture identification task." China Medical University Merit Grant (CMU102-SR-10, 2013/8-2014/2)
- 2012-2013 "Can smiles bring us closer? Exploring the effect of emotional expressions on the other-race effect in Taiwanese infants." China Medical University Merit Grant (CMU101-SR-08, 2012/8-2013/2)
- 2011-2012 "Seeing a hole or not: Exploring newborn infants' visual sensitivity for topological properties." China Medical University Merit Grant (CMU100-SR-11, 2011/8-2012/2)
- 2010-2014 "Development of Other-Race Effect in Taiwanese infants: Investigating the role of early experience on perceptual narrowing process." National Science Council Young Investigator's Grant (NSC-99-2410-H-039-003, 2010/8-2014/7)
- 2010-2011 "Development of visual sensitivity for topological & geometric properties in young infants." China Medical University Merit Grant (CMU99-SR-75, 2010/8-2011/2)
- 2010-2011 "Visual short-term memory for abstract patterns: Comparing a local recognition task and a change-detection task." China Medical University Merit Grant (CMU99-SR-74, 2010/8-2011/2)
- 2010-2011 "Early development of perceptual organization: Can young infants use topological properties in a form to organize visual patterns?" China Medical University Seed Grant (CMU98-N2-20,2010/4-2011/3)
- 2009-2010 "Development of visual short-term memory capacity: Proposal for four-alternative-forced-choice based procedures for infant study." National Science Council Young Investigator's Grant (NSC-98-2410-H-039-002, 2009/8-2010/7)
- 2009-2010 "Assessments of short-term memory functions and response latency in patients with IFN-alpha-induced depression." China Medical University Interdisciplinary Grant (CMU97-337, 2009/5-2010/4)
- 2009-2010 "Vividness: Visual short-term memory for abstract patterns." China Medical University Merit Grant (CMU98-SR-15, 2009/8-2010/2)
- 2008-2009 "Why newborns prefer faces? Revisit the hypothesis of non-specific perceptual bias." National Science Council Young Investigator's Grant (NSC-97-2410-H-039-006, 2008/8-2009/7)

- 2008 "Delegates for Asia Pacific Conference on Vision, 2008, Brisbane, Australia"
National Science Council Grant for International Collaborations. (NSC-97-2919-I-002-007-A1, 2008/7/18-22)
- 2007-2008 "The development of face perception in full-term and preterm young infants."
China Medical University Seed Grant, (CMU96-108, 2007/8-2008/6).

Extramural Grants Served as Co-Principle Investigator:

Grants completed:

- 2011-2013 "Social cognition development in preverbal infants." Seed Funding Programme for Basic Research, the University of Hong Kong. (PI: Dr. Chia-huei Tseng, Department of Psychology, the University of Hong Kong). Contract period: 2011/2/1-2013/1/31, amount: HK \$98,590
- 2010-2012 "Noise exclusion ability in 3-, 6-, 9-, and 12-month-old infants." Seed Funding Programme for Basic Research, the University of Hong Kong. (PI: Dr. Chia-huei Tseng, Department of Psychology, the University of Hong Kong). Contract period: 2010/2/20-2012/2/19, amount: HK \$120,000
- 2009-2012 "Assessments of memory, executive functions, and perceptual emotion in patients with interferon- α induced depression" (PI: Dr. Jingling Li, China Medical University). National Science Council Integrated & Cross-Disiplinary Grant (NSC 98-2627-B-039-004-MY3, 2009/8-2012/7, NTD 3,034,000)

PREFESSIONAL MEMBERSHIPS & ACTIVITIES

Memberships in Professional Organizations

- Since 2013 Taiwanese Society of Cognitive Neuroscience (TSCN)
- Since 2010 Society for Research in Child Development (SRCD)
- Since 2007 Taiwanese Psychology Association (TPA)
- 2007-2009 Association for the Scientific Study of Consciousness (ASSC)
- Since 2001 Vision Science Society (VSS).
- Since 1999 International Society on Infant Studies (ISIS)
- Since 1998 Association for Psychological Sciences (APS).
- 1997-2002 Association for Research in Vision and Ophthalmology (ARVO).
- 1994-1997 Chinese Psychology Association (CPA)

Services for Academic Committees & Meetings

- 2014-2016 Advisory Board Member, Mind Science and Brain Imaging Research Grant,

Department of Humanity and Social Sciences, Ministry of Sciences and Technology, Taiwan.

- 2013-2015 Review Experts in Division 3: Psychological Sciences, Research Ethics Committee for Studies Conducted in the Central Taiwan, China Medical University Hospital, Taichung, Taiwan
- 2011 Abstract review panel for the 2011 Asia-Pacific Conference on Vision (APCV'2011) annual meeting, Hong Kong, SAR.
- 2010 Organizing committee for The 3th Annual Meeting of the Graduate Institute of Neural & Cognitive Sciences, December 17, China Medical University, Taichung, Taiwan.
- 2010 Abstract review panel for the 2010 Asia-Pacific Conference on Vision (APCV'2010) annual meeting, Taipei, Taiwan.
- 2008-2010 Local committee for the 2010 Asia-Pacific Conference on Vision (APCV'2010) annual meeting, Taipei, Taiwan.
- 2008 Organizing committee for CMU 50th Anniversary Symposium Series "Vision: Science of Seeing", June 18, China Medical University, Taichung, Taiwan.
- 2008 Moderator-in-general for CMU 50th Anniversary Symposium Series "International Symposium on Global Mountain Biodiversity", June 7-9, China Medical University, Taichung, Taiwan.
- 2003 Meeting staff for 17th Biennial Symposium of the *International Color Vision Society*. Seattle, WA, USA.
- 2002 UW Psychology Graduate Student Orientation Workshop: Discussant on "RA Experiences". University of Washington, Seattle, WA, USA.
- 1999-2000 Guthrie Prize Committee of Department of Psychology, University of Washington, Seattle, WA, USA.

Ad-hoc Reviewer for Government Grant, Research Grants, and Journal Papers

- 2016 Review Ministry of Science and Technology (MOST) Research Grants, Taiwan.
- 2014, 2015 Review Ministry of Science and Technology (MOST) Research Grants, Taiwan.
- 2013 Review China Medical University Hospital (CMUH) Grants, Taiwan.
- 2012, 2013 Review National Science Council (NSC) Grants, Taiwan.
- 2011 Review National Science Foundation (NSF) Grants, USA.
- 2009, 2010 Review National Science Council (NSC) Grants, Taiwan.
- Since 2001 Ad-hoc reviewer for peer-reviewed journals

Developmental Science,
Child Development,
Emotion,
Journal of Vision,
Vision Research,
Chinese Journal of Psychology,
Journal of Experimental Child Psychology,
Attention, Perception, & Psychophysics
Perception,
Frontiers in Psychology,
Plos ONE,
Infant Behavior and Development,
Visual Cognition

ACADEMIC SERVICES AT COLLEGE/UNIVERSITY LEVEL

- 2015-2016 Member, Teaching Excellence Award Committee, College of Medicine. China Medical University, Taichung, Taiwan
- 2014-2015 Member, Teaching Excellence Award Committee, Center for General Education, China Medical University, Taichung, Taiwan
- 2013-2014 Advisory Board Member, Center of Faculty Development, China Medical University, Taichung, Taiwan (中國醫藥大學師資培育暨發展中心諮詢委員)
- 2012-2014 Member, Teaching Excellence Award Committee, College of Life Sciences, China Medical University, Taichung, Taiwan
- 2011-2014 Member, Faculty Promotion and Tenure Committee, College of Life Sciences, China Medical University, Taichung, Taiwan
- 2010-2014 Elected Member, College of Life Science Administrative Affairs Committee, China Medical University, Taichung, Taiwan
- 2010-2011 Member, Teaching Excellence Award Committee, College of Life Sciences, China Medical University, Taichung, Taiwan
- 2009-2011 Representative, Students' Affairs Committee, China Medical University, Taichung, Taiwan
- 2009-2011 Member, Cross-Department Common Courses Committee, China Medical University, Taichung, Taiwan

2007-2009 Elected Member, College of Life Science Administrative Affairs Committee, China Medical University, Taichung, Taiwan

ACADEMIC SERVICES AT DEPARTMENT LEVEL

2013-2016 Member, Teaching Excellence Award Committee, Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan

2009-2012 Member, Teaching Excellence Award Committee, Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan

2009-2011 Representative, Graduate Students' Mentor, Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan

Since 2009 Graduate Students' Mentor, Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan

Since 2007 Member, Graduate Institute of Neural & Cognitive Sciences Administrative Affairs Committee, China Medical University, Taichung, Taiwan

Since 2007 Member, Graduate Institute of Neural & Cognitive Sciences Courses Committee, China Medical University, Taichung, Taiwan

TEACHING ACTIVITIES

Graduate Level Courses Offered:

2016- Seminar on Human Face Perception 人類臉孔知覺

2010- Methods for Studying Infant Perception & Cognition 嬰兒知覺與認知研究方法

2008- Advanced Topics on Infant Perceptual Development 嬰兒知覺發展專論

2008- Paper Writing in Cognitive Sciences 認知科學論文寫作(英語授課)

2008- Special Topics on Visual Cognition 視覺認知特論 (英語授課)

2008- Advanced Topics in Cognitive Neurosciences 認知神經科學專論

2007- Introduction to Cognitive Neurosciences 認知神經科學

2007-2013 Experimental Design & Research Methods 實驗設計與研究方法

Undergraduate Level/ General Education Courses Offered:

2010- Dialogues Between the Mind and the Brain 心與腦的對話 (核心通識課程)

2008- Introductory Psychology 普通心理學 (通識課程)

SUPERVISION ACTIVITIES

Supervised Master Degree Students:

- 2014-2016 Chien-Kai Chang 張鑑凱 (Thesis: Exploring the effect of age on differentiating members of two major Taiwanese political parties from their faces?).
- 2013-2015 Dennis Chu-lik Tai 戴佇歷 (Thesis: The development of the other-race effect in school-age Taiwanese children: Using a morph face paradigm).
- 2011-2013 Liang-Huei Wang 王良惠 (Thesis: Exploring biological motion perception and action recognition in autistic and typically developed children).
- 2009-2011 Jing-Feng Wang 王靖烽 (Thesis: Exploring the near-race and other-race effect in Taiwanese infants and adults).
- 2008-2010 Hsin-Yueh Hsu 許馨月 (Thesis: Exploring the other-race effect in Taiwanese infants and adults).
- 2007-2009 Jen-Chao Chen 陳仁昭 (Thesis: Visual discrimination and generalization in *Drosophila melanogaster*).

Served on Extramural Master Thesis Committee:

- 2016 Yin-Shi Chen 陳盈希 (National Chung-Cheng University, Chia-Yi, Taiwan)
- 2014 Wen-Sheng Chang 張文乘 (National Cheng-Kung University, Tainan, Taiwan)
- 2014 Wan-Jou Lin 林宛柔 (National Cheng-Chih University, Taipei, Taiwan)
- 2013 Pei-Wen Chuang 莊佩雯 (National Cheng-Chih University, Taipei, Taiwan)
- 2013 Chiu-Yueh Chen 陳秋月 (National Cheng-Kung University, Tainan, Taiwan)
- 2011 Chuan-Yu Yeh 葉娟妤 (National Chung-Cheng University, Chia-Yi, Taiwan)
- 2011 Shih-Che Chuang 莊士哲 (National Chung-Cheng University, Chia-Yi, Taiwan)
- 2010 Tsung-Ting Wang 王宗婷 (National Cheng-Kung University, Tainan, Taiwan)
- 2010 Yu-Chin Wu 吳雨芹 (National Chung-Cheng University, Chia-Yi, Taiwan)
- 2010 Hsin-Hung Li 黎信宏 (National Taiwan University, Taipei, Taiwan)
- 2009 Chieh-Ju Lin 林潔如 (National Cheng-Kung University, Tainan, Taiwan)

Served on Doctoral Dissertation Committee:

- 2015,2016 George Chao-Chih Wang 王昭智 (National Chung Cheng University, Chia-Yi, Taiwan). Dissertation: Mechanisms of face holistic processing: the evidence from the complete composite task.
- 2011 Chia-Chin Wu 吳佳瑾 (National Taiwan University, Taipei, Taiwan).

Dissertation: The role of color in symmetry detection: From local to global.

Sponsored National Science Council Undergraduate Student's Grants (科技部大專生計畫)

- 2016-2017 En-Yun Hsiung 熊恩筠 "Comparing the performance of face and object perception in healthy adults and adults with Asperger's syndrome: Using a morphing card sorting task" (MOST 105-2815-C-039-005-H, 2016/7-2017/2)
- 2015-2016 En-Yun Hsiung 熊恩筠 "Exploring the relation between the sensitivity for biological motion perception and degree of autistic trait in typical adults and Asperger's syndrome." (MOST 104-2815-C-039-077-H, 2015/7-2016/2)
- 2014-2015 Mandy Chun-Man Chen 陳君嫻 "Testing the encoding advantage hypothesis for faces of own-race over other-race in Taiwanese participants: a morph face study." (MOST 103-2815-C-039-013-H, 2014/7-2015/2)
- 2013-2014 Yun Lin 林芸 "Judgments in perceptual similarities: Exploring children's sensitivity for topological versus geometric cues with picture identification task." (NSC 102-2815-C-039-010-H, 2013/7-2014/2)
- 2012-2013 Jenn-Ni Chiu 邱臻妮 "Can smiles bring us closer? Exploring the effect of emotional expressions on the other-race effect in Taiwanese infants." (NSC 101-2815-C-039-008-H, 2012/7-2013/2)
- 2011-2012 Yun-Lan Lin 林筠嵐 "Seeing a hole or not: Exploring newborn infants' visual sensitivity for topological properties." (NSC 100-2815-C-039-013-H, 2011/7-2012/2)
- 2010-2011 Yun-Lan Lin 林筠嵐 "The development of visual sensitivity for topological and geometric properties in young infants." (NSC 99-2815-C-039-075-H, 2010/7-2011/2)
- 2010-2011 Han-Chang Lai 賴翰璋 "Visual short-term memory for abstract patterns: Comparing a local recognition task and a change-detection task." (NSC 99-2815-C-039-074-H, 2010/7-2011/2)
- 2009-2010 Han-Chang Lai 賴翰璋 "Vividness: Visual short-term memory for abstract patterns." (NSC 98-2815-C-039-015-H, 2009/7-2010/2)

Supervised International/Global Internship Students:

- 2015.6-8 Shih-Ting (Tina) Huang, BA in Psychology, University of British Columbia, Vancouver, BC, Canada
- 2015.6-8 Feng-Ho (Christina) Chen, Major in Cognitive Sciences, University of California, at San Diego, La Jolla, CA, USA
- 2015.7-8 Brenda Flore, Psychology Major, Stanford University, Stanford, CA, USA
- 2015.7-8 Brianna Joelle Bolanos, Biology Major, Stanford University, Stanford, CA, USA

JOURNAL PUBLICATIONS (*corresponding author)

- Chien***, S.H.L., Wang, J. H., & Huang, T. R. (2016). Developing the own-race advantage in 4-, 6-, and 9-month-old Taiwanese infants: A perceptual learning perspective. *Frontiers in Psychology*, 7. doi: 10.3389/fpsyg.2016.01606
- Chen, C. M., Yang, S. F., & **Chien***, S. H.L. (2016). Exploring the own-race face encoding advantage and the other-race face categorization bias in Taiwanese adults: Using a morphing face paradigm. *Chinese Journal of Psychology*, 58(2), 39-53.
- Lin, Y.L., **Chien***, S. H.L., & Hu, S.F. (2016). An early sensitivity for detecting differences in visual topological property in 0- to 4- day-old human neonates. *Pediatric Dimensions*, 1(2), 29-34.
- Hu, S.F., Chang, C.K., Chen, Y.C., & **Chien***, S. H.L. (2016). Taiwanese political parties can be categorized by face, by those who reported making face-to-trait inferences. *Frontiers in Psychology*, 6. doi: 10.3389/fpsyg.2015.01931
- Wang, L. H., **Chien***, S. H. L., Hu, S.F., Chen, T. Y., & Chen, H. S. (2015). Children with Autism Spectrum Disorders are less proficient in action identification and lack a preference for up-right biological motion displays. *Research in Autism Spectrum Disorders*, 11, 63-76.
- Chien***, S. H. L., Wang, L. H., Chen, C. C., Chen, T. Y., & Chen, H. S. (2014). Autistic children do not exhibit an own-race advantage as compared to typically developed children. *Research in Autism Spectrum Disorders*, 8(11), 1544-1551.
- Chien***, S. H. L., Lin, Y. L., Qian, W. L., Zhou, K., Lin, M. K., & Hsu, H. Y. (2012). With or without a hole: Young infant's sensitivity for topological versus geometric property. *Perception*, 41, 305-318.
- Chien***, S. H. L., & Hsu, H. Y. (2012). No more top-heavy bias: On early specialization process for face and race in infants. *Special Issue: Highlights from the 2010 Cross-Strait Forum on the Joint Development of Cognitive Science Studies, Chinese Journal of Psychology*. 54(1), 1-20.
- Chien***, S. H. L. (2011). No more top-heavy bias: Infants and adults prefer upright faces, but not top-heavy geometric or face-like patterns. *Journal of Vision*, 11(6):13, 1-14.
- Chien***, S. H. L., Lin, M. K., & Lin, Y. L. (2011). Gestalt similarity principle: Can 3- to 6-month-old infants use topological or geometric property to group visual patterns? *Chinese Journal of Psychology*, 53(3), 1-17.
- Lai, H. C., Tai, S. K., & **Chien***, S. H. L. (2011). Visual short-term memory for abstract patterns: Comparing a local recognition task with a change-detection task. *Chinese Journal of Psychology*, 53(2), 167-189.
- Hsu, H. Y. & **Chien***, S. H. L. (2011). Exploring the other-race effect in Taiwanese infants and adults. *Chinese Journal of Psychology*, 53(1), 35-57.

- Chien***, S. H. L., Hsu, H. Y., & Su, B. H. (2010). Discriminating “top-heavy” versus “bottom-heavy” geometric patterns in 2- to 4.5-month-old infants. *Vision Research*, 50, 2029-2036.
- Lin, Y. J., Chen, C. C., & **Chien, S. H. L.** (2010). The Munker-White effect and chromatic induction share similar nonlinear response properties. *Seeing & Perceiving* (originally *Spatial Vision*), 23(3), 223-240.
- Kharitonova, M., **Chien, S. H. L.**, Colunga, E., & Munakata, Y. (2009). More than a matter of getting ‘unstuck’: Flexible thinkers use more abstract representations than perseverators. *Developmental Science*, 12(4), 662-669.
- Chung, Y.-K., Sheu, L.-C., & **Chien***, S. H. L. (2007). A model of user satisfaction with Taiwan’s government website. *Psychological Reports*, 101, 395-406.
- Chien***, S. H. L., Bronson-Castain, K., Teller, D. Y., & Palmer, J (2006). Lightness constancy in 4-month-old infants. *Vision Research*, 46, 2139-2148.
- Chien, S. H. L.**, Teller, D. Y., & Palmer, J (2005). Achromatic contrast effects in infants: Adults and 4-month-old infants show similar deviations from Wallach’s ratio rule. *Vision Research*, 45, 2854-2861.
- Chien***, S. H. L., Palmer, J & Teller, D. Y. (2003). Infant lightness perception: Do 4-month olds follow Wallach’s ratio rule? *Psychological Science*, 14 (3), 291-295.
- Pereverzeva, M., **Chien, S. H. L.**, Teller, D. Y., & Palmer, J (2002). Infant photometry: Are mean adult isoluminance values a sufficient approximation to individual infant values? *Vision Research*, 42, 1639-1649.
- Chien***, S. H. L., Teller, D.Y., & Palmer, J (2000). The transition from scotopic to photopic vision in 3-month-old infants and adults: an evaluation of the rod dominance hypothesis. *Vision Research*, 40, 3853-3871.

BOOKS/CHAPTERS

- Chien, S. H. L.** (2009). *The Origin of Lightness Constancy : An Empirical Study with a Cue Elimination Approach*, VDM Verlag Dr. Müller Aktiengesellschaft & Co. KG, Saarbrücken, Germany (ISBN: 978-3-639-12059-2)
- Chien, S. H. L.** (2003). Lightness Constancy in 4-month-old Human Infants: A Cue Elimination Approach. Doctoral Dissertation. University of Washington, Seattle, USA.

TRANSLATED BOOKS/CHAPTERS

- 林慧麗、胡中凡、曹峰銘、黃啟泰、蔣文祜、**簡惠玲** 合譯 (2013). *認知發展: 好學的大腦*。雙葉書廊(Yeh Yeh Book Gallery) ISBN: 978-986-6018-40-4. Chinese translation from English Language edition entitled *Cognitive Development: The Learning Brain*, by Usha Goswami, published by Routledge Inc., ISBN: 978-3-639-12059-2.

PAPERS IN PROGRESS

Chien*, **S.H.L.**, Tai, C. L., & Yang, S. F. (*submitted*). The development of the own-race advantage in school-age Taiwanese children: a morph face paradigm

Chien*, **S.H.L.**, Tai, C. L., & Hu, S. F. (*under review*). Card-ordering task reveals perceptual learning of Asian-like and Caucasian-like faces in Taiwanese children: the morph face paradigm revamped.

Yang, S. F., & **Chien***, **S.H.L.** (*in prep*). Seeing morphing faces of own- and other-race: the development of face identification in Taiwanese preschoolers

Chien*, **S. H. L.**, Lin, Y., & Tai, J. L. (*in prep.*). 3-4 year-old children's sensitivity for topological versus geometric cues with picture identification task is no different from the adult's.

CONFERENCE PAPERS

1. **Chien, S.H.L.**, & Yang, S. F. (2016, Oct). Becoming a native face expert: Using a morph face paradigm to explore the own-race advantage in Taiwanese school-age children. Symposium talk presented at the 55th Taiwanese Psychological Association Annual Meeting (TPA), Tainan, Taiwan.
2. Yang, S. F., **Chien, S.H.L.**, Chen, C.M., Hsiung, E.Y., & Lin, W. W. (2016, Oct). Seeing morphing faces of own- and other-race: the development of face identification in Taiwanese preschoolers. Symposium talk presented at the 55th Taiwanese Psychological Association Annual Meeting (TPA), Tainan, Taiwan.
3. Hsiung, E.Y., Chu, Y.S., Yeh, C.H. & **Chien, S.H.L.** (2016, Oct). Adults with Asperger syndrome are less proficient in identifying point-light biological motion displays. Poster presented at the 55th Taiwanese Psychological Association Annual Meeting (TPA), Tainan, Taiwan.
4. Chang, C.K. & **Chien, S. H.L.** (2016, Oct). Can Taiwanese political parties be categorized by face? Exploring the effect of perceived age on categorization accuracy. Symposium talk presented at the 55th Taiwanese Psychological Association Annual Meeting (TPA), Tainan, Taiwan.
5. **Chien, S.H.L.**, & Tai, C. L., Yang, S. F. (2016, July). Development of the own-race advantage in school-age Taiwanese children: Revealed with a morphing face paradigm. Invited symposium talk at the 31st International Congress of Psychology (ICP), Yokohama, Japan.
6. Yang, S. F., Chen, C.M., & **Chien, S.H.L.** (2016, July). Exploring the other-race effect in discrimination and categorization task with Taiwanese adults: Using a morph face paradigm. Poster presented at the 31st International Congress of Psychology (ICP), Yokohama, Japan
7. Hsiung, E.Y., Yang, S. F., **S.H.L. Chien**, Chu, Y.S., & Yeh, C.H. (2016, July). Adults with Asperger syndrome or high functioning autism are less proficient in identifying point-

- light biological motion displays. Poster presented at the 31st International Congress of Psychology (ICP), Yokohama, Japan
8. Chu, Y.S., Yeh, C.H., Hsiung, E.Y., Yang, S. F., & **S.H.L. Chien** (2016, July). Worse balance performance in adults with Asperger syndrome or high functioning autism. Poster presented at the 31st International Congress of Psychology (ICP), Yokohama, Japan.
 9. Chang, C.K. & **Chien, S. H.L.** (2016, July). Can Taiwanese political parties be categorized by face? Exploring the effect of perceived age on categorization accuracy. Poster presented at the 31st International Congress of Psychology (ICP), Yokohama, Japan
 10. **Chien, S.H.L.**, & Tai, C. L. (2016, May). Development of the own-race advantage in school-age Taiwanese children: Revealed by a morphing face paradigm. Poster presented at the 28th Annual Convention of the Association for Psychological Sciences (APS), Chicago, USA.
 11. Yang, S. F., Chen, C.M., & **Chien, S.H.L.** (2016, May). Exploring the paradoxical effect of discriminating and categorizing own- versus other-race faces: using a morph face paradigm. Poster presented at the 28th Annual Convention of the Association for Psychological Sciences (APS), Chicago, USA.
 12. Yang, S. F., Chen, C.M., & **Chien, S.H.L.** (2016, Jan). Exploring the other-race effect on discrimination and categorization in Taiwanese adults: Using a morph face paradigm. Poster presented at the 4th Annual Meeting of the Taiwanese Society of Cognitive Neuroscience (TSCN), Taipei, Taiwan.
 13. **Chien, S.H.L.**, & Tai, C. L. (2015, Oct). Development of the other-race effect in school-age Taiwanese children: Using a morphing face paradigm. Paper presented at the 54rd Taiwanese Psychological Association Annual Meeting (TPA), Taipei, Taiwan.
 14. Chang, C.K., Hu, S.F., & **Chien, S. H.L.** (2015, Oct). Taiwanese political parties can also be differentiated by face: Exterior parts of the face matter. Poster presented at the 54rd Taiwanese Psychological Association Annual Meeting (TPA), Taipei, Taiwan.
 15. Chen, C.M., Yang, S. F., & **Chien, S.H.L.** (2015, Oct). An encoding advantage for own-race faces in Taiwanese participants: A morphing face study. Paper presented at the 54rd Taiwanese Psychological Association Annual Meeting (TPA), Taipei, Taiwan.
 16. Hsiung, E.Y., Chu, Y.S., **S.H.L. Chien**, & Yeh, C.H. (2015, Oct.). Exploring the relation between the sensitivity for biological motion perception and degree of autistic trait in typical adults. Poster presented at the 54rd Taiwanese Psychological Association Annual Meeting (TPA), Taipei, Taiwan
 17. **Chien, S.H.L.**, & Tai, C. L. (2015, Aug). Development of the other-race effect in school-age Taiwanese children: Using a morphing face paradigm. Paper presented at the 38th European Conference on Visual Perception (ECVP), Liverpool, UK.
 18. Chang, C.K., Hu, S.F., & **Chien, S. H.L.** (2015, Aug). Taiwanese political parties can

- also be differentiated by face: Exterior parts of the face matter. Poster presented at the 38th European Conference on Visual Perception (ECVP), Liverpool, UK.
19. Chen, C.M., & **Chien, S.H.L.** (2015, Aug). An encoding advantage for own-race faces in Taiwanese participants: A morphing face study. Poster presented at the 38th European Conference on Visual Perception (ECVP), Liverpool, UK.
 20. **Chien, S.H.L.**, Tai, C. L., Chen, C. M. & Hu, S.F (2015, Mar). The development of the other-race effect in school-aged Taiwanese children: Using a morph face paradigm. Paper presented at the 2015 Society for Research in Child Development (SRCD) Biennial Meeting: Face Processing Conference, Philadelphia, PA, USA.
 21. Hu, S.F., Chen, Y.C., & **Chien***, **S. H.L.** (2015, Jan). Facial bipartisanship: Taiwanese public's ability to discriminate between the photos of the candidates of the two dominant political parties in Taiwan. Poster presented at the 3rd Annual Meeting of the Taiwanese Society of Cognitive Neuroscience (TSCN), Taipei, Taiwan.
 22. Chen, C.M., Hu, S.F., Tai, C. L. & **Chien, S.H.L.** (2015, Jan). An encoding advantage for faces of own-race over other-race in Taiwanese participants: A morphed face study. Poster presented at the 3rd Annual Meeting of the Taiwanese Society of Cognitive Neuroscience (TSCN), Taipei, Taiwan.
 23. Tai, C. L., Chen, C. M. & **Chien, S.H.L.** (2015, Jan). The development of the other-race effect in school-aged Taiwanese children: Using a morphed face paradigm. Poster presented at the 3rd Annual Meeting of the Taiwanese Society of Cognitive Neuroscience (TSCN), Taipei, Taiwan.
 24. Hu, S.F., Chen, Y.C., & **Chien***, **S. H.L.** (2014, Nov). Facial bipartisanship: Taiwanese public's ability to discriminate between the photos of the candidates of the two dominant political parties in Taiwan. Paper presentation at the 53rd Taiwanese Psychological Association Annual Meeting (TPA), Taipei, Taiwan.
 25. Chen, C.M., Hu, N.S.F., & **Chien, S.H.L.** (2014, Nov). An encoding advantage for faces of own-race over other-race in Taiwanese participants: A morphed face study. Paper presentation at the 53rd Taiwanese Psychological Association Annual Meeting (TPA), Taipei, Taiwan.
 26. Tai, C. L., Chen, C. M. & **Chien, S.H.L.** (2014, Nov). The development of the other-race effect in school-aged Taiwanese children: Using a morphed face paradigm. Poster presented at the 53rd Taiwanese Psychological Association Annual Meeting (TPA), Taipei, Taiwan.
 27. **Chien, S.H.L.**, Huang, T. R., & Wong, J. F. (2014, Sept). Specialization and generalization in developing the other-race effect in the first year of life. Invited talk at the 2014 meeting of Theory and Methodology in Configural Perception (TMCP), Tainan, Taiwan.
 28. Chen, C.M., Hu, S.F., Tai, C. L., & **Chien, S.H.L.** (2014, Sept). An encoding advantage for faces of own-race over other-race in Taiwanese participants: A morphed face study. Poster presented at the 2014 meeting of Theory and Methodology in Configural

Perception (TMCP), Tainan, Taiwan.

29. **Chien, S.H.L.**, Huang, T. R., & Wong, J. F. (2014, July). Specialization and generalization in perceptual development: The case of the other-race effect in the first year of life. Invited Symposium talk at the 10th Asia-Pacific Conference on Vision (APCV), Takamatsu, Japan.
30. Wang, L. H., Chen, T. Y., Chen, H. S., & **Chien, S.H.L.** (2014, July). Impaired biological motion perception and action recognition in children with autism spectrum disorder. Poster presented at the 10th Asia-Pacific Conference on Vision (APCV), Takamatsu, Japan.
31. **Chien, S.H.L.**, Wong, J. F., & Huang, T. R. (2014, Jan). Becoming a native face expert: Development of the other-race effect in Taiwanese infants. Symposium talk presented at the Second Annual Meeting of the Taiwanese Society of Cognitive Neuroscience, Chung-Li, Taiwan.
32. Wang, L. H., Chen, T. Y., Chen, H. S., & **Chien, S.H.L.** (2013, Sept). Exploring biological motion perception and action recognition in children with Autism Spectrum Disorder. Invited talk at the 2013 Sun Yat-Sen International Symposium on Autism (SISA 2013), Guangzhou, China
33. **Chien, S.H.L.** (2013, July). In the eyes of an infant: Making sense of the visual world. Invited talk at the First Global Chinese Vision Symposium, Suzhou University, Suzhou, China.
34. **Chien, S.H.L.**, Wong, J. F., & Hsu, H.Y. (2013, July). The own-race advantage of face processing in Taiwanese infants: Rethinking the perceptual narrowing hypothesis. Paper presented at the 2013 Annual Meeting of the Asian-Pacific Conference on Vision, Suzhou, China.
35. Hsu, H.Y., Tsai, Y. L., Wang, J. F., & **Chien, S. H. L.** (2013, July). Where your eyes fall? Exploring Taiwanese adults' eye tracking for own-, near-, and other-race faces. Poster presented at the 2013 Annual Meeting of the Asian-Pacific Conference on Vision, Suzhou, China.
36. **Chien, S.H.L.**, Lin, Y.L., Yeh, W. T., Lin, Y., Hsu, H.Y., & Su, B. H. (2013, May). Exploring the visual sensitivity for topological property in 0-4 day-old newborn infants. Poster accepted to the 2011 Vision Science Society Annual Meeting, Naples, Florida, USA.
37. Wang, L. H., Chen, T. Y., Chen, H. S., & **Chien, S.H.L.** (2013, May). Exploring the pattern of other-race effect in autistic and typically developing children. Poster accepted to the 2013 Vision Science Society Annual Meeting, Naples, Florida, USA.
38. **Chien, S.H.L.** (2013, Jan). No more top-heavy bias: On early specialization process for face and race in Taiwanese infants. Poster presented at the Inauguration Meeting of Taiwanese Cognitive Neuroscience Association, Academic Sinica, Taipei, Taiwan.
39. Wang, L. H., Chen, T. Y., Chen, H. S., & **Chien, S.H.L.** (2012, Oct). Exploring the

pattern of other-race effect in autistic and typical developed children. Paper accepted to the 51st Annual Meeting of Taiwanese Psychological Association, Taichung, Taiwan.

40. Chen, T. C., Chang, Y. M., Hsu, H.Y., & **Chien, S.H.L.** (2012, Oct). Exploring young infants' spontaneous preferences for neutral, smiley, and sad schematic faces. Poster accepted to the 51st Annual Meeting of Taiwanese Psychological Association, Taichung, Taiwan.
41. Hsu, H.Y., Tsai, Y. L., Wang, J. F., & **Chien, S. H. L.** (2012, Oct). Where your eyes fall? Exploring Taiwanese adults' eye tracking for own-, near-, and other-race faces. Poster accepted the 51st Annual Meeting of Taiwanese Psychological Association, Taichung, Taiwan.
42. **Chien, S. H. L.**, Lin, Y. L., Lin, M. K., & Chen, L. (2012, June). With or without a hole: Young infant's sensitivity for detecting a change in topological versus geometric property. Poster presented at the 2012 XVIII Biennial Meeting of International Conference on Infant Studies, Minneapolis, Minnesota, USA.
43. **Chien, S. H. L.**, Wang, J. F., & Hsu, H.Y. (2012, June). The own-race advantage of face processing in Taiwanese infants: Rethinking the perceptual narrowing hypothesis. Poster presented at the 2012 XVIII Biennial Meeting of International Conference on Infant Studies, Minneapolis, Minnesota, USA.
44. Hsu, H. Y., & **Chien, S. H. L.** (2012, June). Exploring the other-race effect in Taiwanese infants and adults. Poster presented at the 2012 XVIII Biennial Meeting of International Conference on Infant Studies, Minneapolis, Minnesota, USA.
45. Chiu, J. N., Wang, S. Y., Hsu, H.Y., & **Chien, S. H. L.** (2012, May). Can smiles bring us closer? Exploring the configural versus featural processing in own- and other-race faces in Taiwanese adults. Poster presented at the 4th Symposium of the Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan.
46. Chen, T. C., Chang, Y. M., Hsu, H.Y., & **Chien, S. H. L.** (2012, May). Exploring 5-month-old infants' spontaneous preferences for schematic faces with neutral, smiley, and sad expressions. Poster presented at the 4th Symposium of the Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan.
47. Wang, L. H., Chen, T. Y., Chen, H. S., & **Chien, S.H.L.** (2012, May). A pilot study exploring the pattern of other-race effect in autistic and normal developed children. Poster presented at the 4th Symposium of the Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan.
48. Hsu, H.Y., Wang, L. H., Tsai, Y. L., Wang, J. F., & **Chien, S.H.L.** (2012, May). Where your eyes fall? Exploring Taiwanese adults' eye tracking for own-, near-, and other-race faces. Poster presented at the 4th Symposium of the Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan.
49. **Chien, S.H.L.**, Wang, J. F., & Hsu, H.Y. (2011, Oct). The own-race advantage of face processing in Taiwanese infants: Evidence against the perceptual narrowing

- hypothesis. Symposium paper presented at the 50th Annual Meeting of Taiwanese Psychological Association, Taichung, Taiwan.
50. Chiu, J. N., Hsu, H.Y., Wong, J. F., Tai, S. K., Wang, H. Y., & **Chien, S.H.L.** (2011, Oct). Can smiles bring people closer? Exploring the featural/configural effects on recognition of own- and other-race faces. Poster presented at the 50th Annual Meeting of Taiwanese Psychological Association, Taichung, Taiwan.
 51. Chiu, J. N., Hsu, H.Y., Wong, J. F., Tai, S. K., Wang, H. Y., & **Chien, S.H.L.** (2011, Sept). Can smiles bring people closer? Exploring the featural/configural effects on recognition of own- and other-race faces. ◦ 教育部獎勵中國醫藥大學教學卓越計畫2011精進學習群校級研究成果發表會，南投惠蓀林場。
 52. **Chien, S.H.L.**, Lin, Y.L., & Chen, L. (2011, July). Development of visual sensitivity for topological versus geometric properties in early infancy. Poster presented at the 2011 Annual Meeting of the Asian-Pacific Conference on Vision, Hong Kong, China.
 53. Wang, J.F., **Chien, S.H.L.**, Hsu, H.Y., & Lin, M.K. (2011, July). The near-race and other-race effect in Taiwanese adults: Exploring the featural versus configural face discrimination process. Poster presented at the 2011 Annual Meeting of the Asian-Pacific Conference on Vision, Hong Kong, China.
 54. **Chien, S.H.L.**, Lin, Y.L., & Chen, L. (2011, May). Development of visual sensitivity for topological versus geometric properties in early infancy. Poster presented at the 2011 Vision Science Society Annual Meeting, Naples, Florida, USA.
 55. **Chien, S.H.L.**, Lin, Y.L., Lin, M.K., & Chen, L. (2011, March). Visual sensitivity for topological versus geometric properties in early infancy. Poster presented at the 2011 Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
 56. Hsu, H.Y. & **Chien, S.H.L.** (2011, January). Exploring the other-race effect in Taiwanese infants and adults. Talk presented at the International Workshop for Young Researchers: "Knowing Self, Knowing Others". Kyoto, Japan.
 57. **Chien, S.H.L.** (2010, Dec). In the eyes of an infant: Making sense of the visual world. Invited talk at the 3rd Symposium of the Graduate Institute of Neural & Cognitive Sciences: "*Organizing a Visual World*", China Medical University, Taichung, Taiwan
 58. Lin, M.K., & **Chien, S.H.L.** (2010, Nov). Development of the Gestalt principle: 3- to 6-month old infants can use similarity to group visual patterns. Symposium paper presented at the 49th Annual Meeting of Taiwanese Psychological Association, Chia-Yi, Taiwan.
 59. Hsu, H.Y., Wong, J. F., Lin, M.K., & **Chien, S.H.L.** (2010, Nov). Exploring the other-race effect in Taiwanese infants. Symposium paper presented at the 49th Annual Meeting of Taiwanese Psychological Association, Chia-Yi, Taiwan.
 60. Wong, J. F., Hsu, H.Y., & **Chien, S.H.L.** (2010, Nov). Exploring the other-race effect in Taiwanese adults. Symposium paper presented at the 49th Annual Meeting of Taiwanese Psychological Association, Chia-Yi, Taiwan.

61. Hsu, H.Y. & **Chien, S.H.L.** (2010, Oct). Exploring the other-race effect in Taiwanese infants and adults. Abstract accepted to the 15th Conference on *Attention and Perception*, Chiayi, Taiwan.
62. 林筠嵐，林明寬，簡惠玲 (**Chien, S.H.L.**) (2010, Sep). 別有洞天：小嬰兒對視覺拓撲性質敏感度之探討。教育部獎勵中國醫藥大學教學卓越計畫 2010 精進學習群校級研究成果發表會，日月潭教師會館。
63. **Chien, S.H.L.**, & Hsu, H.Y. (2010, August). Emergence of the own-race advantage in Taiwanese infants: Rethinking perceptual narrowing in a developing visual system. Abstract accepted to the 7th *International Conference on Cognitive Science*, Beijing, China.
64. **Chien, S.H.L.**, Lin, M.K., Lin, Y.L., & Chen, L. (2010, August). The development of visual sensitivity for topological and geometric properties in young infants. Abstract accepted to the 7th *International Conference on Cognitive Science*, Beijing, China.
65. **Chien, S.H.L.**, & Hsu, H.Y. (2010, July). The "top-heavy" bias is gone: An eye-tracking study in infants and adults revealed common preferences specifically to real faces. Abstract accepted to the 2010 annual meeting of the *Asian-Pacific Conference on Vision*, Taipei, Taiwan.
66. Hsu, H.Y., Lin, M.K., & **Chien, S.H.L.** (2010, July). Exploring the other-race effect in Taiwanese adults and 4-, 6-, and 9-month-old infants. Abstract accepted to the 2010 annual meeting of the *Asian-Pacific Conference on Vision*, Taipei, Taiwan.
67. Lai, H.C., Tai, S.K., & **Chien, S.H.L.** (2010, July). Visual short-term memory for abstract patterns: Comparing a local recognition task and a change-detection task. Abstract accepted to the 2010 annual meeting of the *Asian-Pacific Conference on Vision*, Taipei, Taiwan.
68. Wang, J.F., Tai, S.K., Lai, H.C., **Chien, S.H.L.**, & Su, K.P. (2010, July). Testing visual short-term memory for abstract patterns in Hepatitis C patients, depressed patients, healthy controls, and college students. Abstract accepted to the 2010 annual meeting of the *Asian-Pacific Conference on Vision*, Taipei, Taiwan.
69. **Chien, S.H.L.**, & Hsu, H.Y. & (2010, March). Revisit the non-specific "top-heavy" configuration bias hypothesis: A comparative eye-tracking study between infants and adults. Poster presented at the 2010 XVII Biennial Meeting of International Conference on Infant Studies, Baltimore, Maryland, USA.
70. Hsu, H.Y. & **Chien, S.H.L.** (2010, March) Revisit the non-specific "top-heavy" structural bias: Balanced novelty effects were found in infants as young as 2 months. Poster presented at the 2010 XVII Biennial Meeting of International Conference on Infant Studies, Baltimore, Maryland, USA.
71. Chen, J.C., **Chien, S.H.L.**, & Lin, W.Y. (2009, Dec). Visual discrimination and generalization in *Drosophila melanogaster*. Poster presented at The Second Annual Meeting of the Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan.

72. Hsu, H.Y., & **Chien, S.H.L.** (2009, Dec). Revisit the non-specific "top-heavy" configuration bias hypothesis. Poster presented at The Second Annual Meeting of the Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan.
73. Lai, H. C., Tai, S. K., & **Chien, S.H.L.** (2009, Dec). Visual short-term memory for abstract patterns across encoding durations: Effects of symmetry, element connectedness, and probe quadrant. Poster presented at The Second Annual Meeting of the Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan.
74. Chen, J C., & **Chien, S.H.L.** (2009, Sept). Visual discrimination and generalization in *Drosophila melanogaster*. Poster presented at the 48th Annual Meeting of Taiwanese Psychological Association, Taipei, Taiwan.
75. **Chien, S.H.L.**, & Hsu, H.Y. (2009, Sept). Revisit the non-specific "top-heavy" configuration bias hypothesis: A comparative eye-tracking study between infants and adults. Paper presented at the 48th Annual Meeting of Taiwanese Psychological Association, Taipei, Taiwan.
76. Hsu, H.Y. & **Chien, S.H.L.** (2009, Sept). Discriminability of "top-heavy" versus "bottom-heavy" geometric patterns in young infants. Paper presented at the 48th Annual Meeting of Taiwanese Psychological Association, Taipei, Taiwan.
77. Lai, H.C., Tai, S.K., & **Chien, S.H.L.** (2009, Sep). Visual short term memory for abstract patterns: Effects of symmetry, element connectedness, and probe quadrant at different encoding durations. Paper presented at the 48th Annual Meeting of Taiwanese Psychological Association, Taipei, Taiwan.
78. Tai, S.K., Lai, H.C. & **Chien, S.H.L.** (2009, Sep). Visual short term memory for abstract patterns: Mechanisms about effects of symmetry, element connectedness, and probe quadrant. Paper presented at the 48th Annual Meeting of Taiwanese Psychological Association, Taipei, Taiwan.
79. Chen, J.C., **Chien, S.H.L.***, Lin, W.Y. (2009, Aug). *Drosophila melanogaster* exhibit perceptual generalization for the shapes of a circle and a cross. Abstract accepted to 2009 European Conference on Visual Perception Annual Meeting, Regensburg, Germany.
80. **Chien, S.H.L.** & Hsu, H.Y. & Su, B.H. (2009, Aug). Revisit the non-specific "top-heavy" structure bias in young infants. Abstract accepted to 2009 European Conference on Visual Perception Annual Meeting, Regensburg, Germany.
81. Lai, H.C., **Chien, S.H.L.***, Tai, S.K., & Hsu, H.Y. (2009, Aug). Visual short-term memory for abstract patterns: Effects of symmetry, element connectedness, and probe quadrant. Abstract accepted to 2009 European Conference on Visual Perception Annual Meeting, Regensburg, Germany.
82. Hsu, H.Y., & **Chien, S.H.L.*** (2009, June). Discriminability of "top-heavy" versus "bottom-heavy" geometric patterns in young infants. 教育部獎勵大學教學卓越計畫：

2009 研究學習群校級期末研究成果發表會，中國醫藥大學。

83. Chen, J.C., **Chien, S.H.L.***, Lin, W.Y. (2009, June). Insect visual learning: *Drosophila melanogaster* can discriminate and generalize the shapes of a circle and a cross. 教育部獎勵大學教學卓越計畫：2009 研究學習群校級期末研究成果發表會，中國醫藥大學。
84. Lai, H.C., **Chien, S.H.L.***, Tai, S.K. & Hsu, H.Y. (2009, June). Visual short-term memory for abstract patterns across encoding durations: Effects of symmetry, element connectedness, and probe quadrant) 。教育部獎勵大學教學卓越計畫：2009 研究學習群校級期末研究成果發表會，中國醫藥大學。
85. Hsu, H.Y., & **Chien, S.H.L.*** (2009, May). Discriminability of “top-heavy” versus “bottom-heavy” geometric patterns in 2-, 3-, 4-, and 5-month old infants. Abstract accepted to 2009 Vision Science Society Annual Meeting, Naples, Florida, USA.
86. Chen, J.C., **Chien, S.H.L.***, & Lin, W.Y. (2009, May). Insect visual learning: *Drosophila melanogaster* can discriminate and generalize the shapes of a circle and a cross. Abstract accepted to 2009 Vision Science Society Annual Meeting, Naples, Florida, USA.
87. Lai, H.C., **Chien, S.H.L.*** & Kuo, W.Y. (2009, May). Visual short-term memory for abstract patterns: Effects of symmetry, element connectedness, and probe quadrant. Abstract accepted to 2009 Vision Science Society Annual Meeting, Naples, Florida, USA.
88. Lai, H.C., Kuo, W.Y., & **Chien, S.H.L.***(2008, Oct). Vividness: Visual short term memory for abstract patterns. Paper presented at the 47th Taiwanese Psychological Association Annual Conference: Cognition III, Taipei, Taiwan. (*corresponding author).
89. **Chien, S.H.L.**, Lin, W-Y, Chen, J.C., & Lai, H.C. (2008, Oct). Insect visual learning: *Drosophila melanogaster* can learn to discriminate between a circle and a cross. Paper presented at the 47th Taiwanese Psychological Association Annual Conference: Cognition III, Taipei, Taiwan.
90. Chen, J.C., Lin, W.-Y., Kuo, W. Y., & **Chien, S.H.L.**(2008, Oct). Insect visual learning: Can *Drosophila melanogaster* recognize novel shapes by generalized perceptual grouping? Paper presented at the 47th Taiwanese Psychological Association Annual Conference: Cognition III, Taipei, Taiwan.
91. **Chien, S.H.L.**, Lin, W-Y, Chen, J.C., & Lai, H.C. (2008, July). Can *Drosophila* learn to recognize the shapes of a circle and a cross? Abstract presented at the 2008 annual meeting of the *Asian-Pacific Conference on Vision*, Brisbane, Australia.
92. **Chien, S.H.L.**, Chen, J.C., & Chen, C.C. (2008, July). Comparing top-down influence with bottom-up bias with a random noise paradigm in Necker cube reversal. Abstract presented at the 2008 annual meeting of the *Asian-Pacific Conference on Vision*, Brisbane, Australia.
93. **Chien, S.H.L.** & Lin, W-Y. (2008, June). *Drosophila* can learn to discriminate between a circle and a cross. Abstract presented at the 13th meeting of *Attention & Perception*

Workshop, Chia-Yi, Taiwan.(invited talk)

94. **Chien, S.H.L.**, Chen, J.C., & Chen, C.C. (2008, June). Equating the influence of conscious attentional control with the effect of automatic bottom-up bias in Necker cube reversals. Abstract presented at the 2008 annual meeting of the *Association for the Scientific Study of Consciousness (ASSC 12)*, Taipei, Taiwan.
95. **Chien, S.H.L.**, Lin, W-Y, Chen, J.C., & Lai, H.C. (2008, June). Insect vision: *Drosophila* can learn to discriminate between a circle and a cross. Abstract to presented at CMU 50th Anniversary Symposium Series "*Vision: Science of Seeing*", Taichung, Taiwan.
96. **Chien, S.H.L.**, Chen, J.C., & Chen, C.C. (2008, May). Can noises defeat will power in Necker cube reversals? Equating top-down influence with bottom-up bias with a noise paradigm.[Abstract]. *Journal of Vision*. 8(6):255, 255a.
97. Lin, Y. C., Chen, C. C., & **Chien, S.H.L.** (2007, May). A common mechanism for brightness and color induction? Evidence from patterned concentric annuli and Munker-White Effect [Abstract]. *Journal of Vision*, 7(9).
98. Kharitonova, M., **Chien, S.H.L.**, Colunga, E., & Munakata, Y. (2007, March). The emergence of human intelligence: An early synergy of flexibility and generalization. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
99. Kharitonova, M., **Chien, S.H.L.**, Colunga, E., & Munakata, Y. (2005, March). More than a matter of getting 'unstuck': Flexible thinkers use more abstract representations than perseverators. Poster presented at the IV biennial meeting of the Cognitive Development Society, San Diego, CA.
100. **Chien, S.H.L.**, & Bronson-Castain, K. (2003, May). Lightness constancy in young infants: The effect of a local luminance ratio cue. [Abstract]. *Journal of Vision*, 3(9), 55a.
101. **Chien, S.H.L.** & Bronson-Castain, K. (2002, Oct). Lightness constancy in 4-month-old infants with and without a white anchoring cue. Paper presented at Fall Vision Meeting, San Fransico, CA.
102. **Chien, S. H. L.**, & Bronson-Castain, K. W. (2002, May). Lightness constancy in 4-month-old infants: The effect of background reflectance [Abstract]. *Journal of Vision*, 2(7), 368a.
103. **Chien, S.H.L.** (2002, May). Lightness constancy in 4-month-old infants studied with forced-choice novelty preference technique. Paper presented at the annual meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL.
104. **Chien, S.H.L.** (2002, April). Lightness constancy in 4-month-old infants. Posted presented at the XIII International Conference on Infant Study. Toronto, Ontario, Canada.
105. **Chien, S.H.L.**, & Teller, D.Y (2001, Oct). Lightness constancy in young infants using real surfaces and real illuminations. Poster presented at the XXII Annual Meeting of Optical Society of America: Color and Vision Workshop. University of California,

Irvine, Orange County, California.

106. **Chien, S.H.L.**, Teller, D.Y., & Palmer, J (2001, July). Lightness perception in young infants: Do they follow Wallach's ratio rule? Paper presented at the 3rd annual meeting of the International Conference on Cognitive Science (ICCS): Divergent Approaches to Vision. Beijing, China.
107. **Chien, S.H.L.**, Teller, D.Y., & Palmer, J (2001, May). Simultaneous lightness contrast in 4-month-olds: Do they use Wallach's ratio rule? Paper presented at the annual meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL.
108. **Chien, S.H.L.**, Allred, S., Teller, D.Y., & Palmer, J (2001, Feb). Simultaneous lightness contrast in young infants. Poster presented at the Neurobiology and Behavior Program 2001 Annual Retreat. University of Washington, Seattle, WA.
109. **Chien, S.H.L.**, Allred, S., Teller, D.Y., & Palmer, J (2000, Oct). Young infants' perception of surface lightness. Paper presented at the XX Annual Meeting of Optical Society of America (OSA): Color and Vision Division. Providence, Rhode Island.
110. Teller, D.Y., Perverzevera, M. , **Chien, S.H.L.**, & Palmer, J. (2000, May). Are infants' isoluminant points the same as adults'? Poster presented at the annual meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL.
111. **Chien, S.H.L.**, Teller, D.Y., & Palmer, J. (1999, May). "Rod dominance" in infants? Motion photometric measurements of the transition from scotopic to photopic vision in infants vs. adults. Poster presented at the annual meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL.
112. **Chien, S.H.L.**, Teller, D.Y., & Palmer, J. (1999, Feb). "Rod dominance" in infants?: The transition from scotopic to photopic vision in infants vs. adults. Poster presented at The Neurobiology and Behavior Program Annual Retreat. University of Washington, Seattle, WA.
113. **Chien, S.H.L.** (1998, Sept). "Is rod vision dominant in young infants? Paper presented at the annual meeting of the Chinese Psychology Association, Taipei, Taiwan.
114. **Chien, H.L.**, & Shyi, C.W. (1995, Sept). The problem of viewpoint in object recognition. Paper presented at the annual meeting of the Chinese Psychology Association, Taipei, Taiwan.

INVITED TALKS/LECTURES

- 2016.6 Becoming a native face expert: Development of the other-race effect in Taiwanese infants and children. Department of Psychology, DePaul University, Chicago, IL, USA.
- 2016.3 Becoming a native face expert: Development of the other-race effect in Taiwanese infants and children. Department of Psychology, The University of

Chicago, Chicago, IL, USA.

- 2015.7 The secretes of human faces. Invited lecture at the 2015 International Summer Cultural Exchange Program, Office of International & Public Affairs, China Medical University, Taichung, Taiwan.
- 2015.3 The development of the other-race effect in school-aged Taiwanese children: Using a morph face paradigm. Invited symposia speaker at the 2015 Society for Research in Child Development (SRCD) Biennial Meeting: Face Processing Conference, Philadelphia, PA, USA.
- 2014.7 Eastern minds, Western minds: The cultural influences on perception. Invited lecture at the 2014 International Summer Cultural Exchange Program, Office of International & Public Affairs, China Medical University, Taichung, Taiwan.
- 2014.7 Specialization and generalization in developing the other-race effect in the first year of life. Invited symposium talk at the 10th Asian-Pacific Conference on Vision, Takamatsu, Japan.
- 2014.6 The dialogues between the mind and the brain. Invited speaker at the central Taiwan workshop for the inter-disiplinary general education courses. Co-sponsored by the Centers for General Education, Da-Yeh University and China Medical University
- 2014.1 The first glances: On early visual development. Guest lecturer at “Laws of Seeing” Department of Psychology, National Cheng-Kung University, Taiwan.
- 2013.12 Becoming a native face expert: On early specialization process for face and race in infancy. Department of Psychology, National Taiwan University, Taiwan.
- 2013.7 Eastern minds, Western minds: The cultural influences on perception. Invited lecture at the 2013 International Summer Cultural Exchange Program, Office of International Affairs, China Medical University, Taichung, Taiwan.
- 2013.7 In the eyes of an infant: Making sense of the visual world. Invited talk at the First Global Chinese Vision Symposium, Suzhou University, Suzhou, China.
- 2013.6 Teaching with mindfulness. Invited talk at the Teaching Excellence and Innovation Workshop, Center of Faculty Development, China Medical University, Taichung, Taiwan.
- 2012.11 Born to perceive: Making sense of the visual world. Invited by Dr. Shoji Itakura, Cognitive & Social Development Lab, Department of Psychology, Kyoto University, Kyoto, Japan.
- 2012.5 The competent infant: What do infants know about the world? Department of Philosophy, Sun Yat-Sen University, Guangzhou, China
- 2012.5 The early specialization process for face and race in early infancy. Department of Psychology, Sun Yat-Sen University, Guangzhou, China

- 2011.12 Early visual development, guest lecturer at *Advanced Topics in Human Development* class, National Cheng-Chih University, Taipei, Taiwan.
- 2011.10 Early visual development. Department of Special Education, National Chang-Hua University of Education, Chang-Hua, Taiwan.
- 2011.3 The first glance: Early visual development (人之初，視如何?), Spring Seminar Series, Institute of Philosophy of Mind and Cognition, National Yang-Ming University, Taipei., Taiwan.
- 2010.12 In the eyes of in infant: Making sense of the visual world
The 3th Annual Meeting of the Graduate Institute of Neural & Cognitive Sciences, China Medical University, Taichung, Taiwan
- 2010.10 The first glance: Early visual development, Department of Child Education, National Hsinchu University of Education, Hsinchu, Taiwan
- 2010.10 The first glance: Early visual development Department of Psychology, Chung Yuan Christian University, Chungli, Taiwan.
- 2010.8 All about face: An eye tracking study in infants and adults revealed similar preferences specifically to “facedness” and not “top-heaviness”. Cross-strait Forum on the Joint Development of Cognitive Science Studies, The 7th International Conference on Cognitive Sciences (ICCS), Beijing, China.
- 2010.6 All about face: Revisiting the early face preference mechanism in young infants. The Distinguished Alumni Speech, National Chung-Cheng University, Chia-Yi, Taiwan.
- 2010.2 Revisiting the top-heavy bias hypothesis. Invited talk at The 4th Symposium on Infant Studies in Tzu Chi University, Hualien, Taiwan.
- 2009.11 Perceptual development. Guest lecturer at *Sensation & Perception* class Department of Psychology, University of Hong Kong, Hong Kong.
- 2009.11 Face perception in monkeys reared with no exposure to faces. Discussant at *Vision Journal Club*, Department of Psychology, University of Hong Kong, Hong Kong.
- 2009.10 Infant visual development: Memoirs of the golden 80s and foresight to the diamond future. Cognitive Science Center, Institute of Biophysics, Chinese Academy of Sciences, Beijing, China.
- 2009 The first glance: Early visual development. Lecturer for Educational Division, Social Sciences Research Center, National Science Council, Taiwan
- 2008.12 The first glance: On early visual development.
Department of Psychology, National Cheng-Chi University, Taipei, Taiwan.
- 2008.12 The first glance: On early visual development .

Institute of Biophysics, National Chung-Hsin University, Taichung, Taiwan.

- 2008.6 Visual pattern recognition in *Drosophila melanogaster*.
Invited speaker and moderator, the 13th Attention & Perception workshop,
Center of Cognitive Sciences, National Chung-Cheng University, Chia-Yi.
- 2008.1 Early perceptual development. Guest lecturer at *Sensation & Perception* class
Department of Psychology, National Taiwan University, Taipei, Taiwan.
- 2007.12 The first glance: On early visual development.
Department of Psychology, National Cheng-Kung University, Tainan, Taiwan.
- 2007.10 The first glance: On early visual development.
Department of Psychology, National Taiwan University, Taipei, Taiwan
- 2007.10 Early visual development, Seminar, Graduate Institute of Cognitive
Neurosciences, National Central University, Taiwan
- 2003 Lightness constancy in 4-month-old infants: A cue elimination approach.
Cognitive Development Center, invited by Dr. Yuko Munakata, Department of
Psychology, University of Colorado, Boulder, CO, USA
- 2002 Development of lightness perception and lightness constancy in infants.
Infant Vision Lab, invited by Dr. Karen Dobkins, Department of Psychology,
University of California at San Diego, La Jolla, CA, USA

MASS MEDIA COVERAGE

- 2012.5 Da-Ai TV interview program: "Getting a head start at the beginning of Life?
" Program Series #3: Perceptual Development in Early Infancy" (台灣大愛電視
台專題報導: 贏在起跑點系列之三: 嬰兒期的感官發展)
- 2010.12 Special Interview with Scientific American Taiwan Magazine, "Sound and
Sight at the Beginning of Life" (科學人雜誌專訪: 人之初的聽與看)