Lisa Chinn | Curriculum Vitae

University of Houston, Texas Institute of Measurement, Evaluation, and Statistics

Education

2013-2019   Ph.D., Psychology (Developmental Science)
Tulane University, New Orleans, LA
Dissertation: Development of self-knowledge: Tactile localization to self-recognition
Advisors: Drs. Jeffrey J. Lockman and Edward J. Golob

2016   M.S., Psychology (Cognitive Neuroscience)
Tulane University, New Orleans, LA
Thesis: Dynamics of cognitive control and midline theta activity across multiple timescales
Advisor: Dr. Edward J. Golob

2009   B.S., Psychology (with honors)
University of Oregon, Eugene, Oregon

Research Experience

2020-Present   Postdoctoral Researcher
GENES:IS Lab
University of Houston
PI: Dr. Elena L. Grigorenko

2019-2020   Research Scientist
Infant and Toddler Development Project
Tulane University
PI: Dr. Jeffrey J. Lockman

2013-2019   Graduate Research Assistant
Infant and Toddler Development Project, Cognitive Neuroscience Lab
Tulane University
Advisors: Drs. Jeffrey J. Lockman, Edward J. Golob
- Study the developmental trajectory of infant body knowledge
- Examine cognitive control and prefrontal cortical activity

2012-2013   Research Assistant Volunteer
ADHD Lab
Oregon Health and Science University
PI: Dr. Joel Nigg
- Neuropsychological testing, ECG data collection

2009   Research Assistant
Oregon Research Institute
Supervisor: Dr. Anthony Biglan
- Research on factors involved in youth access to alcohol

2007-2010   Research Assistant
             Theory of Mind Lab
             University of Oregon
             Advisors: Dr. Louis Moses and Dr. Tasha Oswald
             - Research on autism and perspective taking

Interests

Development of infant self-knowledge
Early life experiences and cognitive development
Brain networks during cognitive control

Fellowships/Awards

2017		Co-Winner of Babybot Challenge, IEEE ICDL-EPIROB, Lisbon, Portugal
2017	$800	IEEE Computational Intelligence Society International Conference on Development and Learning and on Epigenetic Robotics travel award
2015	$3000	William P. Dunlap Memorial Fellowship, Tulane University
2014	$3000	Flowerree Summer Research Fellowship, Tulane University
2013-2017	$20,000/yr	Southern Regional Education Board/Louisiana Board of Regents Graduate Doctoral Fellowship

Publications

<u>Journal Articles</u>

Chinn, L. K., Ovchinnikova, I., Sukmanova, A. A., Davydova, A, O., & Grigorenko, E. L. (In Press). Early institutionalized care disrupts the development of emotion processing in prosody. *Development and Psychopathology.*

Chinn, L. K., Noonan, C. F., & Lockman, J. J. (2020). The human face becomes mapped as a sensorimotor reaching space during the first year. *Child Development.* https://doi.org/10.1111/cdev.13405

Leed, J. E, **Chinn, L. K.**, & Lockman, J. J. (2019). Reaching to the self: The development of infants' ability to localize targets on the body. *Psychological Science, 30*(7). https://doi.org/10.1177/0956797619850168

Chinn, L. K., Hoffmann, M., Leed, J. E., & Lockman, J. J. (2019). Reaching to one arm with the other: Coordinating touch, proprioception, and action during infancy. *Journal of Experimental Child Psychology, 183,* 19-32. https://doi.org/10.1016/j.jecp.2019.01.014

Chinn, L. K., Noonan, C. F., Hoffmann, M., & Lockman, J. J. (2019). Development of infant reaching strategies to tactile targets on the face. *Frontiers in Psychology*, *10*(9). http://doi.org/10.3389/FPSYG.2019.00009

Chinn, L. K., Pauker, C. S., & Golob, E. J. (2018). Cognitive control and midline theta adjust across multiple timescales. *Neuropsychologia, 111*(C)*,* 216-228. 10.1016/j.neuropsychologia.2018.01.031

Conference Papers

Hoffmann, M., **Chinn, L. K.,** Somogyi, E., Heed, T., Fagard, J., Lockman, J. J., & O'Regan, J. K. (2017, 18-21 September). *Development of reaching to the body in early infancy: From experiments to robotic models.* Paper presented at the 7th Joint IEEE International Conference on Development and Learning and on Epigenetic Robotics (ICDL-EpiRob)*,* Lisbon, Portugal. 112-119. 10.1109/DEVLRN.2017.8329795

Book Chapters

Barbarin, O. A., **Chinn, L. K.,** & Wright, Y. (2014). Creating Developmentally Auspicious School Environments for African American Boys. In L. S. Liben and R. S. Bigler, (Eds), *The Role of Gender in Educational Contexts and Outcomes,* (333-365). UK: Academic Press. https://doi.org/10.1016/bs.acdb.2014.04.003

Submitted

Chinn, L. K., Myers, J. E., Sur, S. S., & Golob, E. J. *Cognitive control networks and theta phase synchrony.*

Poster Presentations

Chinn, L. K., Sukmanova, A. A., Momotenko, D. A., Ovchinnikova, I. V., & Grigorenko, E. L. (Accepted). *Effects of childhood institutionalization on semantic processing and N400 ERPs persist into adulthood.* Poster accepted at the virtual 2021 Society for Research in Child Development Biennial Meeting.

Patton, K. S., **Chinn, L. K.,** Mayberry, C., Noonan, C. F., Dame, C., & Lockman, J. J. (Accepted). *Mirror self-recognition: Ipsilateral and contralateral reaching in toddlers.* Poster accepted at the virtual 2021 Society for Research in Child Development Biennial Meeting.

Chinn, L. K., Patton, K. S., Mayberry, C., Dame, C., & Lockman, J. J. (Accepted). *The lower body becomes mapped as a sensorimotor reaching space during the first year.* Poster accepted at the virtual 2021 Society for Research in Child Development Biennial Meeting.

Chinn, L. K., Zhukova, M.A., Ledesma, L. M., Alfaro, A., Kroeger, R., & Grigorenko, E.L. (2021, January). *Sensitivity and specificity of ERPs associated with intellectual disability, learning disability and language impairment.* Poster presented at the NICHD-2021 LDRC/LD Hub Meeting.

Ledesma, L. M., Zhukova, M.A., **Chinn, L. K.,** & Grigorenko, E.L. (2021, January). *Auditory ERPs and Academic Achievement in Juvenile Delinquents in Response to Reading Intervention.* Poster presented at the NICHD-2021 LDRC/LD Hub Meeting.

Chinn, L. K., Noonan, C. F., Patton, K. S., & Lockman, J. J. (2020, July). *Sensorimotor and visual body experience accelerate self-recognition.* Poster presented at the virtual 2020 International Congress of Infant Studies.

Lewis, E. A., **Chinn, L. K**., & Lockman, J. J. (2019, October). *Motor Based Predictors of Math Achievement in Kindergarten.* Poster presented at the Cognitive Development Society Bi-ennial Conference, Louisville, Kentucky.

Chinn, L. K., Noonan, C.F., & Lockman, J. J. (2019, March). *The development of infant reaching to tactile stimuli on the face.* Poster presented at the 2019 Society for Research In Child Development Biennial Meeting, Baltimore, Maryland.

Chinn, L. K., Myers, J., & Golob, E. J. (2018, November). *Theta phase synchrony in a spatial cognitive control network.* Poster presented at the 48th annual meeting of the Society for Neuroscience, San Diego, California.

Chinn, L. K., Noonan, C. F., & Lockman, J. J. (2018, October). *A Longitudinal Study of Reaching to Vibrotactile Stimuli on the Face in the First Year.* Poster presented at the Learning Body Models: Humans, Brains, and Robots workshop, Lorentz Center, Leiden, Netherlands.

Cappagli, G., Gori, M., **Chinn, L. K.,** Lockman, J. J., Cocchi, E., Signorini, S., & Hoffmann, M. (2018, August). *Reaching to the body in blind children.* Poster presented at the European Conference on Visual Perception, Trieste, Italy.

Chinn, L. K., Hoffmann, M., deBlanc, L. E., Ott, K., Leed, J. E., & Lockman, J. J. (2018, July). *Tactile reaching: Linking action and multisensory information.* Poster presented at XXI ICIS Biennial Congress, Philadelphia, Pennsylvania.

Chinn, L. K., Noonan, C. F., deBlanc, L. E., & Lockman, J. J. (2017, October). *Sensorimotor body experience accelerates mirror self-recognition.* Poster presented at Cognitive Development Society Bi-Ennial Conference, Portland, Oregon.

Chinn, L. K., & Golob, E. J. (2017, September). *Attention allocation dynamically responds to context.* Poster presented at the 7th Joint IEEE International Conference on Development and Learning and on Epigenetic Robotics, Lisbon, Portugal.

Chinn, L. K., Leed, J., Schlichenmeyer, M., & Lockman, J. J. (2017, September). *Infant development of integrated sensorimotor and visual body maps.* Poster presented at the 7th Joint IEEE International Conference on Development and Learning and on Epigenetic Robotics, Lisbon, Portugal.

Chinn, L. K., Leed, J., Schlichenmeyer, M., & Lockman, J. J. (2017, May). *Sensorimotor Body Maps Integrate with Visual Input during the First Two Years.* Poster presented at Association for Psychological Science Annual Convention, Boston, MA.

Noonan, C. F., **Chinn, L. K.,** Curdts, L., & Lockman, J. J. (2017, April). *A longitudinal study of face maps in infants: Manual strategies for localizing targets on the skin.* Poster presented at Society for Research in Child Development Biennial Meeting, Austin, TX.

Chinn, L. K., Pauker, C. S., & Golob, E. J. (2016, April). *Timescales of cognitive control during an auditory Simon task.* Poster presented at Cognitive Neuroscience Society Annual Meeting, New York, NY.

Chinn, L. K., Pauker, C. S., & Golob, E. J. (2015, May). *The impact of musical experience on cognitive control during an auditory Simon task.* Poster presented at Association for Psychological Science Annual Convention, New York, NY.

Chinn, L. K., Brachfeld, M., Hotz, M., & Barbarin, O. A. (2014, June). *Executive functioning and math skills in pre-k and kindergarten students: Effects of gender and grade.* Poster presented at Louisiana Psychological Association, Metairie, LA.

Presentations

Chinn, L. K., Patton, K. S., Noonan, C. F., & Lockman, J. J. (Accepted). *Proprioception, body reaching, and the development of mirror self-recognition.* Symposium accepted to the virtual 2021 Society for Research in Child Development Biennial Meeting.

Grigorenko, E. L., Khalaf, S., Li, N., **Chinn, L. K.,** & Burenkova, O. (2020, September). *An Introduction to the GENES:IS Lab.* Rice University Department of Psychological Sciences Cognitive Tea series, Houston, Texas.

Chinn, L. K., Noonan, C. F., Patton, K. S., & Lockman, J. J. (Accepted). *Proprioception, body reaching, and the development of self-knowledge.* Symposium accepted to the 2020 International Congress of Infant Studies, Glasgow, Scotland.
withdrawn due to COVID-19 pandemic

Lockman, J. J., & **Chinn, L. K.** (2019, September). *Body reaching. Healthy and active children: Lifespan motor development science & applications.* International Motor Development Research Consortium, Verona, Italy.

Cappagli, G., Perotto, Saligari, E., Luparia, A., Gori, M., Hoffmann, M., **Chinn, L. K.,** Lockman, J. J., & Signorini, S. (2019, June). *Tactile remapping in the blind.* Child Vision Research Society Biennial Meeting, Pisa, Italy.

Chinn, L. K. (2018, February). *Reaching to the face in the first year.* Tulane University Department of Psychology Colloquium Series, New Orleans, Louisiana.

Chinn, L. K. (2015, December). *Timescales of cognitive control.* Tulane University Department of Psychology Colloquium Series, New Orleans, Louisiana.

Teaching

Undergraduate – Tulane University
 PSYC 3090 Univariate Statistics, Laboratory Instructor: Summer 2016, Summer
    2017, Summer 2018, Fall 2018, Spring 2019, Fall 2019

 PSYC 3775 Sensation & Perception, Guest EEG Methods Instructor: Summer
    2015

PSYC 4385 Cognitive Neuroscience, Guest EEG Methods Instructor: Summer 2015

<u>Graduate – Tulane University</u>
PSYC 6090 Univariate Statistics I, Laboratory Instructor: Fall 2017

PSYC 6110 Univariate Statistics II, Laboratory Instructor: Spring 2018

Professional Affiliations

International Congress for Infant Studies

Service

2016-2017	International Student Mentorship Program Volunteer, Tulane University
2015-2019	School of Science and Engineering Graduate Honor Board Member, Tulane University
2014-2018	Psychology Department Colloquium Committee, Tulane University
2012-2013	Start Making a Reader Today (SMART), Volunteer Reader, Portland, Oregon

Ad-hoc Reviewer

IEEE Transactions on Cognitive and Developmental Systems, IEEE Robotics and Automation Letters, Frontiers in Psychology, PLOS One, Infant and Child Development, Frontiers in Neuroscience, Journal of Clinical Psychology and Special Education

Additional Training

2016	*Scientific Writing Workshop for Psychology* – Tulane University, New Orleans, LA, Instructor: Dr. Robert Kail
2015	*Multilevel Modeling in Mplus* – Workshop, Tulane University, New Orleans, LA

Technical Skills

<u>Methods and Analyses</u>
Longitudinal data analyses (GEE, GLMM) • Independent component analysis (ICA) • Electroencephalography (EEG) • Time-frequency (ERSP) and event-related potential (ERP) analyses

<u>Software</u>
R • Matlab • SPSS • Neuroscan EEG software • Curry-Scan7 EEG software • Stim 2 • EEGLAB • DataVyu