

Drew H. Abney

Department of Psychology
University of Georgia

(815)-382-0273 | Drew.Abney@uga.edu | www.devdynlab.us

ACADEMIC POSITIONS

Faculty Affiliate <i>University of Georgia</i> Institute for Artificial Intelligence	2021-present
Assistant Professor <i>University of Georgia</i> Department of Psychology	2020-present
Assistant Professor <i>University of Cincinnati</i> Department of Psychology Center for Cognition, Action, & Perception	2019-2020

EDUCATION

Postdoctoral Fellow in Developmental Psychology <i>Indiana University</i> Department of Psychological and Brain Sciences Advisors: Linda B. Smith & Chen Yu	2016-2019
Ph.D. in Cognitive and Information Sciences <i>University of California, Merced</i> Cognitive and Information Sciences Advisor: Christopher T. Kello	2016
M.S. in Experimental Psychology <i>Illinois State University</i> Department of Psychology Dual degrees: Quantitative Psychology & Cognitive/Behavioral Sciences Advisor: Jeff Wagman	2012
M.S. in Education <i>Illinois State University</i> Department of Technology	2010
B.S. in Education <i>Illinois State University</i> Department of Technology	2008

PUBLICATIONS

Peer-Reviewed Journal Articles (36)

***= equal contribution; †= graduate student**

- Slone, L.K., **Abney, D.H.**, Smith, L.B., Yu, C. (*in press*). The temporal structure of parent talk to toddlers about objects. *Cognition*.
- Nguyen, T., Bertenthal, B.I., Hoehl, S., **Abney, D.H.** (2022). The association between parasympathetic dynamics and prefrontal cortex activation in infants and adults: A Stage 1 Registered Report. *Developmental Cognitive Neuroscience*.
- Haas, B. W., **Abney, D.H.**, Erikson, K., Potter, J., & Gosling, S.D. (2022). Big-5 traits and cultural tightness-looseness links to person-culture personality fit: A large scale investigation across 57 nations. *Social Psychological and Personality Science*.
- Schwab, S.M., Carver, N.S., Forman, M., **Abney, D.H.**, Davis, T.J., Riley, M.A., Paxton, A., Silva, P.L. (2022). Child-caregiver interactions during a collaborative motor task in children with cerebral palsy: A descriptive exploratory study. *Journal of Developmental and Physical Disabilities*.
- Nguyen, T., **Abney, D.H.**, Salamander, D., Bertenthal, B.I., Hoehl, S. (2021). Proximity and touch boost neural but not physiological synchrony in naturalistic mother-infant interactions: Evidence from multi-level hyperscanning. *Neuroimage*.
- Borjon, J.I., **Abney, D.H.**, Smith, L.B., Yu, C. (2021). Head and eyes: Looking behavior in 12- to 24-month-old infants. *Journal of Vision*.
- *Abney, D.H.**, *daSilva, E., Bertenthal, B.I. (2021). Infants' self-regulation is moderated by the synchrony between infants' and mothers' cardiac vagal tone. *Developmental Psychobiology*.
- Bradshaw, J. & **Abney, D.H.** (2021). The role of infant vagal tone during social play and social withdrawal in the emergence of social-communication skills. *Developmental Psychobiology*.
- Abney, D.H.**, daSilva, E., Lewis, G., Bertenthal, B.I. (2021) A method for measuring dynamic respiratory sinus arrhythmia (RSA) in infants and mothers. *Infant Behavior and Development*.
- Abney, D.H.**, Paxton, A., Dale, R., & Kello, C.T. (2021). Cooperation in sound and motion: Complexity matching in collaborative interaction. *Journal of Experimental Psychology: General*
- †Schwab, S.M.**, Grover, F.M., **Abney, D.H.**, Silva, P.L., Riley, M.A. (2020). Unpredictable task demands facilitate grip control in children and adolescents with cerebral palsy. *Clinical Biomechanics*
- Abney, D.H.**, Suanda, S., Smith, L.B., Yu, C. (2020). What are the building blocks of parent-infant coordinated attention in free-flowing interaction? *Infancy*

- Xu, L., de Barbaro, K., **Abney, D.H.**, Cox, R. (2020). Finding structure in time: Visualizing and analyzing behavioral time series. *Frontiers in Developmental Psychology*
- *Borjon, J.I., ***Abney, D.H.**, Smith, L.B., Yu, C. (2018). Developmentally changing attractor dynamics of manual actions with objects in late infancy. *Complexity*.
- Abney, D.H.**, Dale, R., Louwerse, M.M., Kello, C. T. (2018). The bursts and lulls of multimodal interaction: Temporal distributions of behavior reveal differences between verbal and non-verbal communication. *Cognitive Science*. 42(4), 1297-1316.
- Wagman, J.B., **Abney, D.H.**, & Rosenbaum, D.A. (2018). Second-order grasp planning reflects sensitivity to inertial factors. *Human Movement Science*. 57, 451-460.
- Slone, L., **Abney, D.H.**, Borjon, J.I., Chen, C., Franchak, J.M., Pearcy, D., Suarez-Rivera, C., Xu, L., Zhang, Y., Smith, L.B., Yu, C. (2018). Head-mounted eye-tracking of children's dynamic visual attention during naturalistic behavior. *Journal of Visualized Experiments*.
- Borjon, J.I., Schroer, S., Bambach, S., Slone, L., **Abney, D.H.**, Crandall, D., Smith, L.B. (2018). Capturing the egocentric view of infants and toddlers with head-mounted cameras. *Journal of Visualized Experiments*.
- Jordan, J.S., Schloesser, D.S., Bai, J., **Abney, D.H.** (2017). Multi-scale contingencies during individual and joint action. *Topics in Cognitive Science*. 10(1), 36-54.
- Abney, D.H.**, Warlaumont, A.S., Oller, D.K., Wallot, S. & Kello, C.T. (2017). Multiple coordination patterns in infant and adult vocalizations. *Infancy*. 22(4), 514-539.
- Abney, D.H.**, Kello, C.T., & Balasubramaniam, R. (2016). Introduction and application of the multiscale coefficient of variation analysis. *Behavior Research Methods*. 49(5), 1571-1581.
- Ross, J.M., Warlaumont, A.S., **Abney, D.H.**, Rigoli, L.M. & Balasubramaniam, R. (2016). Influence of musical groove on postural sway. *Journal of Experimental Psychology: Human Perception and Performance*. 42(3), 308.
- Abney, D.H.**, & Wagman, J.B. (2015). Direct learning in auditory perception: An information-space analysis of perception of object length by sound. *Ecological Psychology*. 27(4), 335-356.
- Abney, D.H.**, Warlaumont, A.S., & Kello, C.T. (2015). Production and convergence of multiscale clustering of speech. *Ecological Psychology*. 27(3), 222-235
- Abney, D.H.**, Paxton, A., Dale, R., & Kello, C. (2015). Movement dynamics reflect a functional role for weak coupling and role structure in dyadic problem solving. *Cognitive Processing*. 16(4), 325-332.

- Abney, D.H.**, Paxton, A., Kello, C., & Dale, R. (2014). Complexity matching in dyadic interaction. *Journal of Experimental Psychology: General*, 143(6), 2304-2315.
- Abney, D.H.**, Warlaumont, A.S., Haussmann, A., Ross, J., Wallot, S. (2014). Using nonlinear methods to quantify infant motor and vocal development. *Frontiers in Developmental Psychology*, 143(6), 2304-2315.
- Abney, D.H.**, McBride, D.M., Conte, A. & Vinson, D.W. (2014). Response dynamics in prospective memory. *Psychonomic Bulletin & Review*. 22(4), 1020-1028
- Vinson, D. W., **Abney, D. H.**, Dale, R., & Matlock, T. (2014). High-level context effects on spatial displacement: the effects of body orientation and language on memory. *Frontiers in psychology*, 5, 637.
- Abney, D.H.**, Wagman, J.B., & Schneider, J. (2014). Changing grasp position on a wielded object provides self-training for perception of length. *Attention, Perception, & Psychophysics*. 76(1), 247-254.
- Abney, D.H.**, Dale, R., Yoshimi, J., Fusaroli, R., Kello, C.T., & Tylen, K. (2014). Joint perceptual decision-making: A case study in explanatory pluralism. *Frontiers in Theoretical and Philosophical Psychology*. 5, 330.
- Wagman, J.B. & **Abney, D.H.** (2013). Is calibration of the perception of length modality-independent? *Attention, Perception, & Psychophysics*. 75(5), 824-829.
- Abney, D.H.**, McBride, D.M., & Petrella, S.N. (2013). Interactive effects in transfer-appropriate processing for event-based prospective memory. *Memory & Cognition*. 41(7), 1032-1045.
- McBride, D.M. & **Abney, D.H.** (2012). A comparison of transfer-appropriate processing and multi-process frameworks for prospective memory performance. *Experimental Psychology*, 59(4), 190.
- Wagman, J.B. & **Abney, D.H.** (2012). Transfer of recalibration from audition to touch: Modality independence as a special case of anatomical independence. *Journal of Experimental Psychology: Human Perception and Performance*. 38(3), 589-602.
- McBride, D.M., Beckner, J. & **Abney, D.H.** (2011). Effect of placement of prospective memory cues in an ongoing task on prospective memory task performance. *Memory & Cognition*. 39, 1222-1231.

Edited Books (1)

Weast-Knapp, J., Malone, M., **Abney, D.H.** (Eds) (2015). Studies in Perception and Action XIII. Proceedings from the Eighteenth International Conference on Perception and Action. Minneapolis, MN.

Peer-Reviewed Proceedings (12)

Nguyen, T., **Abney, D.H.**, Bertenthal, B.I., Hoehl, S. (2021). Infants' social communication from a predictive processing perspective. *Proceedings of the 43th Annual Meeting of the Cognitive Science Society*.

Karmazyn, H., **Abney, D.H.**, Crandall, D., Yu, C., Smith, L.B. (2019). How do infants start learning object names in a sea of clutter? *Proceedings of the 41th Annual Meeting of the Cognitive Science Society*.

Abney, D.H., Karmazyn, H., Smith, L.B., Yu, C. (2018). Hand-eye coordination and visual attention in infancy. *Proceedings of the 40th Annual Meeting of the Cognitive Science Society*.

Abney, D.H., Smith, L.B., Yu, C. (2017). It's Time: Quantifying the Relevant Timescales for Joint Attention. *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*.

Abney, D.H., Dale, R., Kello, C.T., Louwerse, M.M. (2017). Burstiness across multimodal human interaction reveals differences between verbal and non-verbal communication. *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*.

Xu, T. L., **Abney, D.H.**, Yu, C. (2017). Discovering Multicausality in the Development of Coordinated Behavior. *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*.

Bunce, J.P., **Abney, D. H.**, Gordon, C.L., Spivey, M.J., & Scott, R.M. (2016). Using Motor Dynamics to Explore Real-time Competition in Cross-situational Word Learning: Evidence From Two Novel Paradigms. In J. Trueswell, A. Papafragou, D. Grodner, & D. Mirman (Eds.), *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*.

Bunce, J., Gordon, C., **Abney, D.H.**, Fleming, M., Greenwood, M., Chiu, E., Spivey, M.J., Scott, R. (2016). Mouse Tracking Reveals Knowledge of Multiple Competing Referents During Cross-situational Word Learning. *Boston University Conference on Language Development Proceedings*.

Abney, D. H. & Thomas, B. (2015). Exploration in information space during affordance perception. In Weast-Knapp, J., Malone, M., & Abney, D.H. (Eds.), *Studies in Perception and Action XIII: Proceedings from the Eighteenth International Conference on Perception and Action*.

Schloesser, D.S., Wagman, J.B. & **Abney, D. H.** (2015). Flip this rod! Changing grasp position can recalibrate perception of length by dynamic touch. In Weast-Knapp, J., Malone, M., & Abney, D.H. (Eds.), *Studies in Perception and Action XIII: Proceedings from the Eighteenth International Conference on Perception and Action*.

Paxton, A., **Abney, D.H.**, Kello, C. K., & Dale, R. (2014). Network analysis of multimodal, multiscale coordination in dyadic problem solving. In P. Bello, M. Guarini, M. McShane & B. Scassellati (Eds.) *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Abney, D. H., Paxton, A., Kello, C., & Dale, R. (2013). Complexity matching in dyadic interactions. In P. Passos, J. Barrios, R. Cordovil, D. Araujo, & F. Melo (Eds.), *Studies in Perception and Action XII: Proceedings from the Seventeenth International Conference on Perception and Action*.

Commentaries

Vinson, D.W., **Abney, D.H.**, Amso, D., Anderson, M. L., Chemero, T., Cutting, J.E., Dale, R., Richardson, D., Friston, K., Gallagher, S., Jordan, J.S., Mudrik, L., Ondobaka, S., Shams, L., Shiffrar, M., & Spivey, M. (2015). Perception, as You Make It. Commentary on C. Firestone & B. Scholl's "Cognition does not affect perception: Evaluating the evidence for 'top-down' effects". *Behavioral and Brain Sciences*. 39.

Manuscripts under review

Abney, D.H., Smith, L.B., Yu, C. (*invited revision*) Look before you reach: Fixation-reach latency during pre-reach predicts reaching kinematics in infancy. *Infancy*.

Manuscripts in preparation (in writing stage)

Abney, D.H., daSilva, E., Bertenthal, B.I. Directional physiological dynamics of infant-mother interactions during stressful situations.

Abney, D.H., Fausey, C.M., Jayaraman, S., Slone, L.K., Smith, L.B. The temporal structure of everyday visual experience supports infant statistical learning.

Abney, D.H., Karmazyn, Smith, L.B., Yu, C. Emerging manual actions impact visual attention.

Suarez-Rivera, C., **Abney, D.H.**, Fletcher, K., & Tamis-LeMonda, C.S. Infant and mother everyday speech is bursty and converges during natural activity at home.

Xu, T. L., **Abney, D.H.**, Foster, S., Smith, L.B., Yu, C. The multipathway solution for the development of coordinated behaviors.

Xu, T. L., **Abney, D.H.**, Yu, C. Quantifying multimodal social interactions with cross recurrence block quantification analysis.

GRANTS

Current

Principal Investigator. Sensorimotor cascades: Integrating real-time movement dynamics during the sleep and awake periods of human infants. James S. McDonnell Foundation. \$250,000 (no indirects).

Principal Investigator. The role of multi-level parent-child synchrony on child self-regulation. w/Cindy Suveg & Geoffrey Brown. Seed Grant Proposal. Owens Institute for Behavioral Research. University of Georgia. \$9,955.

Sub-Award PI. Play and Learning Across a Year, National Institute of Child Health and Development. w/Janet Frick. PIs: Karen Adolph & Catherine Tamis-LeMonda. \$18,000 to sub-award.

Consultant. The embodied emergence of social communication: Implications for autism in infancy. PI Jessica Bradshaw (\$250,000 to PI). James S. McDonnell Foundation. \$9,000 to consultant.

Pending, Under Review, Revising

Principal Investigator. (*under review*). Dynamic models of interaction for trust building in diverse contexts. w/Alex Paxton. Army Research Institute. \$572,358.

Co-PI. (*revising*). Temporal structure of everyday behaviors. w/Catherine Tamis-LeMonda, Caitlin Fausey, & Catalina Suarez-Rivera. National Science Foundation: Developmental Sciences. ~\$800,000.

Reviewed

Principal Investigator. (2018). Sensorimotor foundations of visual attention in infants. National Institute of Child Health and Development (K99). Scored, not funded.

Completed

Postdoctoral trainee. (2016-2018). Training program in integrative developmental process. National Institute of Child Health and Development (T32). PI: Linda B. Smith.

PRESENTATIONS

Invited Talks

Abney, D.H. (2021). The Complexity Matching hypothesis for human communication. Cognitive Science and Artificial Intelligence Colloquium, Tilburg University.

- Abney, D.H. (2021). Sensorimotor development in a social world. Midwestern Psychological Association. Chicago, IL. Invited Extended Talk.
- Abney, D.H. (2020). The sensorimotor basis for development. University of Connecticut, Storrs, CT.
- Abney, D.H. (2019). The sensorimotor basis for development. University of Georgia, Athens, GA.
- Abney, D.H. (2019). The sensorimotor basis for development. University of Cincinnati, Cincinnati, OH.
- Abney, D.H. (2018). On form and function: Investigating temporal distributions of behavior in infancy. Developmental Psychology Brownbag, University of Chicago, Chicago, IL.
- Abney, D.H. (2018). On form and function: Investigating temporal distributions of behavior in infancy. Cognitive and Behavioral Sciences Colloquium, Illinois State University, Normal, IL.
- Abney, D.H. (2018). On form and function: Investigating temporal distributions of behavior in infancy. Heymans Institute for Psychological Research, University of Groningen, The Netherlands.
- Abney, D.H. (2018). On form and function: Investigating temporal distributions of behavior in infancy. CogLunch Talk Series, Indiana University, Bloomington, IN.
- Abney, D.H. (2016). The Complexity Matching hypothesis for human communication. Cognitive and Behavioral Sciences Colloquium, Illinois State University, Normal, IL.
- Abney, D.H. (2016). The Complexity Matching hypothesis for human communication. Cognition, Perception, and Action (CAP) Speaker Series, University of Cincinnati, Cincinnati, OH.
- Abney, D.H. (2016). Complexity matching, coordination patterns, and development. CogNetwork Colloquium Series, University of California, Berkeley, Berkeley, CA.
- Abney, D.H. (2015). Complexity matching, coordination patterns, and development. Department of Psychological and Brain Sciences, Indiana University, Bloomington, IN.
- Abney, D.H. (2014). Complexity matching in conversational contexts. CogNetwork Colloquium Series, University of California, Berkeley, Berkeley, CA.

Conference Symposia Organized

- Abney, D.H. (2022). Temporal structures in development. *Biannual Meeting of the International Congress for Infant Studies*, Ottawa, Canada.

Abney, D.H. (2015). Advances in Strong Anticipation and Complexity Matching. Symposium organized at the Eighteenth International Conference on Perception and Action, Minneapolis, MN.

Oral Presentations

Abney, D.H., DaSilva, E.B., Bertenthal, B.I. (2022). Mother-infant eye contact marks changes in physiological regulation and synchrony. *Biannual Meeting of the International Congress for Infant Studies*.

Abney, D.H., Fausey, C., Jayaraman, S., Slone, L.K., Smith, L.B. (2022). The visual ecology of infants in clustered in time. *Biannual Meeting of the International Congress for Infant Studies*.

Borjon, J.I., **Abney, D.H.**, Yu, C., Smith, L.B. (2022). The motor development of vocal production in late infancy. *Biannual Meeting of the International Congress for Infant Studies*.

Bradshaw, J., Vinyard, A., Platt, E., **Abney, D.H.** (2022). Infant attention and physiological arousal during dyadic interactions as predictors of social communication. *Biannual Meeting of the International Congress for Infant Studies*.

Suarez-Rivera, C., **Abney, D.H.**, Tamis-LeMonda, C.S. (2022). Temporal structures of infant vocalizations in the home environment. *Biannual Meeting of the International Congress for Infant Studies*.

Suarez-Rivera, C., **Abney, D.H.**, Fletcher, K.K., Tamis-LeMonda, C.S. (2021). Temporal structures of mother and infant vocalizations are bursty and converge during natural activity at home. *The 5th Lancaster Conference on Infant and Early Child Development*.

Nguyen, R., **Abney, D.H.**, Bertenthal, B.I., & Hoehl, S. (2021). Neural and Physiological Synchrony in Mother-Infant Dyads. *SRCD Virtual Biennial Meeting*.

Abney, D.H., daSilva, E.B., Bertenthal, B.I. (2020). Infant-mother physiological synchrony moderates infant self-regulation. *Biannual Meeting of the International Congress for Infant Studies*.

Abney, D.H., daSilva, E.B., Bertenthal, B.I. (2019). Physiological synchrony between infants and mothers in the still face paradigm. *International Society for Developmental Psychobiology*.

*Borjon, J.I., ***Abney, D.H.**, Yu, C., Smith, L.B. (2019). Attractor dynamics of vocal production in late infancy. *The 4th Lancaster Conference on Infant and Early Child Development*.

*Borjon, J.I., ***Abney, D.H.**, Yu, C., Smith, L.B. (2019). The developmental of vocal-manual coordination in late infancy. *The 20th International Conference of Perception and Action, Groningen, The Netherlands*.

- Karmazyn, H., **Abney, D.H.**, Crandall, D., Yu, C., Smith, L.B. (2019). How do infants start learning object names in a sea of clutter? The *41th Annual Meeting of the Cognitive Science Society*.
- Abney, D.H.** (2019). Finding structure in time: Uncovering clustering dynamics in large, multimodal datasets. *Society for Research in Child Development*.
- Abney, D.H.** (2019). Finding structure in time: Uncovering clustering dynamics in large, multimodal datasets. *International Convention of Psychological Science*.
- Abney, D.H.** (2018). Finding structure in time: Uncovering clustering dynamics in large, multimodal datasets. *Biannual Meeting of the International Congress for Infant Studies. [hands-on methods workshop]*
- Abney, D.H.**, Smith, L.B., Yu, C. (2018). Sensorimotor alignment impacts visual attention in infancy. *Biannual Meeting of the International Congress for Infant Studies*.
- Abney, D.H.**, Smith, L.B., Yu, C. (2018). Sensorimotor alignment impacts visual attention in infancy. *North American Meeting of the International Society for Ecological Psychology*.
- Abney, D.H.**, Smith, L.B., Yu, C. (2018). Sensorimotor alignment impacts visual attention in infancy. *Annual Meeting of the Jean Piaget Society*.
- Xu, T. L., **Abney, D.H.**, Smith, L.B., Yu, C. (2018). New technologies lead to new discoveries: A case study of using computational algorithms to understand parent-infant interaction. *Biannual Meeting of the International Congress for Infant Studies*.
- Slone, L.K., **Abney, D.H.**, Smith, L.B., Yu, C. (2018). The temporal structure of parent speech predicts infant word learning. *Biannual Meeting of the International Congress for Infant Studies*.
- Abney, D.H.**, Dale, R., Kello, C.T., Louwerse, M.M. (2017). Burstiness across multimodal human interaction reveals differences between verbal and non-verbal communication. The *39th Annual Meeting of the Cognitive Science Society*.
- Xu, T. L., **Abney, D.H.**, Yu, C. (2017). Discovering Multicausality in the Development of Coordinated Behavior. *The 39th Annual Meeting of the Cognitive Science Society*.
- Slone, L. K., **Abney, D.H.**, Smith, L. B. & Yu, C. (2017). *The Burstiness of Parents' Utterances: Classification of Vocal Temporal Structure during Parent-Child Naturalistic Interaction*. Talk presented at the Society for Research in Child Development Biennial Conference, Austin, TX.
- Abney, D.H.**, Warlaumont, A. S., Oller D.K., Wallot, S., & Kello, C.T. (2016). The multiscale clustering of infant vocalization bouts. Presentation at the International Conference on Infant Studies. New Orleans, LA.

- Perlman, M. & **Abney, D.H.** (2016). Multimodal analysis of the learned vocal repertoire of a human-fostered gorilla. Presentation to be given at the Evolution of Speech workshop at the 2016 EvoLang conference. New Orleans, LA.
- Abney, D.H.** & Balasubramaniam, R. (2015). Introduction and applications to the multiscale coefficient of variation analysis (MSCV). Presentation at the Society for Computers in Psychology. Chicago, IL.
- Abney, D.H.** & Kello, C.T. (2015). Complexity matching in dyadic conversation. Presentation at the 10th Annual Guy Van Orden UConn Workshop on Cognitive and Dynamics. University of Connecticut, Storrs, CT.
- Abney, D.H.**, Warlaumont, A. S., Oller D.K., Wallot, S., & Kello, C.T. (2015). The multiscale clustering of infant vocalization bouts. Presentation at the Society for Complex Systems in Cognitive Science. Minneapolis, MN.
- Abney, D.H.**, Warlaumont, A. S., Oller D.K., Wallot, S., & Kello, C.T. (2015). The multiscale clustering of infant vocalization bouts. Presentation at the International Society of Ecological Psychology. Minneapolis, MN.
- Abney, D.H.** & Kello, C.T. (2014). Measuring multiscale temporal clustering in speech signals. Society for Computers in Psychology. Long Beach, CA.
- Abney, D.H.** (2014). Complexity matching across conversational settings. Finding Common Ground: Social, Ecological, and Cognitive Perspectives on Language Use. University of Connecticut.
- Abney, D.H.**, Kerster, B.E., & Kello, C.T. (2014). Multiscale spatial distributions of eye fixations decouple over time. Presentation at the International Society of Ecological Psychology.
- Abney, D.H.**, & Wagman, J.B. (2014). An information-space analysis of perception of object length by sound. Presentation at the International Society of Ecological Psychology.
- Abney, D.H.** & Kello, C.T. (2013). Dynamics of Social Cognition. Presentation and workshop given by Chris Kello at the National University of Ireland Galway, Complex Systems Research Centre, Dynamical Analyses of Social Behaviour Workshop.
- Abney, D.H.**, Paxton, A., Kello, C.T., & Dale, R. (2013). Complexity matching in dyadic interaction. Presentation at the 17th International Conference of Perception and Action, Lisbon, Portugal.
- Abney, D.H.**, Warlaumont, A. S., Oller D.K., Wallot, S., & Kello, C.T. (2013). The multi-scale dynamics of infants' and caregivers' vocalizations. Presentation at the 3rd meeting of the Society for Complex Systems in Cognitive Science, Berlin, Germany.

Vinson, D.W., & **Abney, D.H.**, (2013). The influence of linguistic and social information on visual memory. Presentation at the 12th International Cognitive Linguistics Conference. Edmonton, Alberta, Canada.

Abney, D.H., & Wagman, J.B. (2012). Intrinsic feedback in recalibration of length perception. Presentation at the 2011 Illinois Data Conference, Edwardsville, IL.

Abney, D.H., & Wagman, J.B. (2011). Transfer of recalibration across modalities: Feedback on audition improves haptic perception. Presentation at the 2011 Illinois Data Conference, Carbondale, IL.

Brown, J.W. & **Abney, D.H.** (2010). The biotechnology of technology education: A descriptive investigation of the conceptual foundations of biotechnology necessary for technology education teachers. Presentation at the annual conference of the International Technology and Engineering Education Association, Charlotte, North Carolina.

AWARDS

2021 Nominated for Distinguished Early Career Award. *International Congress of Infant Studies*.

2021 Outstanding Teaching Award for Behavioral and Brain Sciences Area. *University of Georgia*.

2016 UC Merced GradSLAM Finalist (\$250). *University of California, Merced*

2015 Hatano Cognitive Development Research Fellowship (\$1000). *University of California, Merced*

2012 Charter Department Graduate Student Excellence Award Department of Psychology, *Illinois State University*

2011 Outstanding Psychology Graduate Assistant Award Department of Psychology, *Illinois State University*

2010 Rodney L. Custer Graduate Student Research Award Department of Psychology, *Illinois State University*

2010 The Donald Maley Spirit of Excellence Outstanding Graduate Student Citation International Technology and Engineering Education Association

2010 Graduate Student of the Year. Department of Technology, *Illinois State University*.

PROFESSIONAL AFFILIATIONS

2016-present International Congress of Infant Studies

2014-present International Society for Ecological Psychology

2012-present Psychonomic Society
 2012-present Cognitive Science Society
 2015-2016 International Environmental Communication Association
 2014-2016 Society for Computers in Psychology
 2011-2014 Association for Psychological Science
 2011-2013 Midwest Psychological Association

TEACHING EXPERIENCE

Instructor of Record, University of Georgia

Spring 2021, Fall 2021 Research Analysis in Psychology (PSYC 3990)
 Fall 2020, Fall 2021, Fall 2022 Advanced Experimental Psychology (PSYC 6420)
 Spring 2022 Regression (PSYC 6430)

Instructor of Record, University of Cincinnati

Spring 2020 Graduate Statistics II: Regression (PSYC 2015)
 Fall 2019 Developmental Psychology (PSYC 2040)

Teaching Assistant, University of California, Merced

Spring 2016 Complex Adaptive Systems (COGS 104)
 Fall 2016 Applied Ethics (PHIL 003),
 Spring 2015 Introduction to Linguistics (COGS 005)
 Fall 2014 Speech Processing (COGS 151)
 Fall 2012, Spring 2013 Mind, Brain, & Cognition (COGS 101)

Instructor of Record, Illinois State University

Fall 2009 Technology and the Quality of Life (TEC 275)

MENTORING

University of Georgia

Advisory/Committee Member

2021-Present Taylor Hobgood (Master's)
 2021-Present Andrea George (Master's; Doctoral)
 2021-Present Molly Hale (Doctoral)
 2021-Present Luke Armao (Primary Advisor: Master's)
 2021-Present Christopher Bell (Primary Advisor: Master's)
 2021-Present Colin Gardner (Master's)
 2021-Present Jeffrey Nightingale (Doctoral)
 2021-Present Matthew Gehr (Doctoral)
 2021-Present Jenna Terry (Master's)

Undergraduate Research Assistants

2021 Luke Armao (CURO)
 2021-Present Sara Ashley Collins (CURO)
 2021-Present Hamza Syed (CURO)
 2021-2022 Nick Edwards
 2021-Present Elizabeth Na
 2021-2022 Archie Patel

2021-Present	Brooke Bergeron
2021-Present	Eliana Gelman
2022-Present	Bhumy Patel
2022-Present	Callie Little

Summer Research Interns
2021 Leila Rosenberg

University of Cincinnati
Advisory/Committee Member
2019-2020 Sarah Schwab (Master's)

Indiana University
Undergraduate Research Assistants
2018-2019 Christian Jerry
2017-2018 Corey Lee
2017-2018 Christine Shepler
2017-2018 Arispa Weigold

External
2022-Present Megan Micheletti (Doctoral Committee; UT—Austin)
2022 Yu Wei Chua (PhD Thesis Reader; University of Strathclyde)

PROFESSIONAL SERVICE

2015	An Evening on Free Will (Co-organizer) University of California, Merced.
2015	Second Annual Symposium on Child and Family. Professional growth event for community child educators University of California, Merced.
2013–2015	Undergraduate Cognitive Science Student Association (CSSA) co-founder/representative University of California, Merced.
2013	Student research talk organizer, Department of Cognitive and Information Sciences. University of California, Merced.
2010	Department Chair search committee (student group), Department of Psychology. Illinois State University.

AD HOC REVIEWING

Academic Journals (>1 review for majority of journals)

American Journal of Psychology; American Journal of Speech-Language Pathology; Attention, Perception, & Psychophysics; Behavior Research Methods; Chaos, Solitons, and Fractals; Child Development; Cognitive Science; Complexity; Current Biology; Developmental Science; Developmental Psychology; Development and Psychopathology; Ecological Psychology; Frontiers in Psychology; Human Movement Science; Infant and Child Development; Journal of Experimental Psychology: Human Performance and Perception; Journal of Memory & Language; Journal of Vision; Memory & Cognition; Mind and Matter; New Ideas in Psychology; Perception;

Phonetics; PLOS One; Social, Cognitive, and Affective Neuroscience; Scientific Reports; Speech Communication

Proceedings

Annual Meeting of the Cognitive Science Society (2014, 2015, 2016, 2017, 2018, 2019, 2021)

International Conference on Perception and Action (2015)

Grants: Internal

URC Collaborative Research: PILOT program (2020). University of Cincinnati

Grants: External

NSF: Perception, Action, and Cognition

European Science Foundation

Macquarie University Research Fellowship