

# Curriculum Vitae

**Date** February 12, 2026

**Name** Daniel S. Messinger (dmessinger@miami.edu)

**Rank** Professor

**Primary Department** Psychology

**Secondary Departments** Pediatrics, Music Engineering, Music Engineering, and Electrical & Computer Engineering

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## Higher Education

Ph.D., 1994  
University of Utah, Salt Lake City, UT, Psychology (Developmental).

M.A., 1988  
University of Chicago, Chicago, IL, Human Development.

B.A., 1985  
Haverford College, Haverford, PA. Independent Psychology major, Sociology minor.

1980-1983  
Seminar College, New School for Social Research

## Academic Experience

2014-present Professor of Psychology, Pediatrics, Music Engineering, and Electrical & Computer Engineering, University of Miami.

2024 Visiting Professor, Università di Cagliari, Italy. September-October.

2011-2014 Professor of Psychology, Pediatrics, and Electrical & Computer Engineering, University of Miami.

2009-2011 Associate Professor of Psychology, Pediatrics, and Electrical & Computer Engineering, University of Miami.

2003-2009	Associate Professor of Psychology and Pediatrics, University of Miami.
1998-2003	Assistant Professor of Psychology and Pediatrics, University of Miami.
1995-1998	Adjunct Assistant Professor of Pediatrics and Psychology, University of Miami Medical School.
1994-1995	Adjunct Assistant Professor of Pediatrics. Department of Pediatrics, University of Miami Medical School.
1993-1994	Senior Research Associate. Department of Pediatrics, University of Miami Medical School.
2010	Visiting Professor, University of Trento, Italy.

## Professional Positions

2022-present	Director, Child Division, Department of Psychology, University of Miami
2021-present	Research Director, Linda Ray Intervention Center
2019-present	Coordinator, Psychological Sciences Program
2018-2021	Research Council Member, University of Miami
2016-present	Co-Leader, Neurodevelopment Discovery Science Interprofessional Collaborative (IPC), Mailman Center for Child Development
2021-	Program Director, Social and Behavioral Data Science, Institute for Data Science and Computing
2015-2021	Program Director, Social Systems Informatics, Center for Computational Science, University of Miami
2014-2023	Coordinator, Developmental Area, Child Division, Department of Psychology, University of Miami
2014-	Databrary Advisory Board
2010-2014	Executive Committee Member, Baby Siblings Research Consortium, National Institutes of Health/Autism Speaks
2009-2010	Director: Marino Autism Research Institute (MARI), University of Miami
2007-2008	Co-Director: Marino Autism Research Institute (MARI), University of Miami
2007-present	Baby Siblings Research Consortium, National Institutes of Health/Autism Speaks

## Publications

[Google Scholar Link](#)

## Chapters, Encyclopedia Articles, Commentaries

- Page, K., Perry, L., Leland, E., Drye, M., Salvadori, E.A., Viggiano, A., Meibohm, S., Crawford, M., Messinger, D. S. (2024) Communication. *Chapter accepted for publication to the Oxford University Press Handbook of Perceptual Development*. In press.
- Salvadori, E. A., Page, K., Crawford, M., Meibohm, S. A., & Messinger, D. S. (2024). Joint Attention and Gaze Coupling. In *Reference Module in Social Sciences*. Elsevier.  
<https://doi.org/https://doi.org/10.1016/B978-0-323-95504-1.00227-1>
- Perry LK, Meibohm SA, Drye M, Viggiano A, Romero C, Londoño J, Tao Y, Messinger DS, Elbaum B (2024) [Putting the child in the driver's seat: Insights into language development from children's interactions in preschool classrooms](#). In C. Yu & J. J. Lockman (Eds.), *Advances in Child Development and Behavior* (Vol. 66, pp. 109-136). Academic Press.  
<https://doi.org/https://doi.org/10.1016/bs.acdb.2024.05.001>
- Messinger, D. S.\*, Perry, L. K.\*, Mitsven, S. G., Tao, Y., Moffitt, J., Fasano, R. M., Custode, S. A., & Jerry, C. M. (2022). [Computational Approaches to Understanding Interaction and Development](#). In Gilmore, R. & Lockman, J. (Eds.), *Advances in Child Development and Behavior: New Approaches to Studying Child Development*, 62, 191-230. <https://doi.org/10.1016/bs.acdb.2021.12.002> \*Joint first authorship.
- Messinger, D.S., Moffitt, J., Mitsven, S.G., Ahn, Y.A., Custode, S., Chervonenko, E., Sadiq, S., Shyu, M.L., & Perry, L.K., (2022). [Early interaction: New approaches](#). In D. Dukes, A. Samson, E. Walle (Eds.), [The Oxford Handbook of Emotional Development](#). Oxford University Press.
- Mitsven, S. G., Messinger, D. S., Moffitt, J., & Ahn, Y. A. (2020). [Infant Emotional Developments](#), pp. 748-782. In Lockman, J. & Tamis-Lemonda, C. (Eds.), *Handbook of Infant Development*. Cambridge University Press.
- Messinger, D., & Moffitt, J. (2020). Smiling. In J. Benson & M.M. Haith (Eds.), *Encyclopedia of Infant and Early Childhood Development* (2<sup>nd</sup> ed.). Cambridge, MA: Academic Press.
- Messinger D., Mitsven S.G., Ahn Y.A., Prince E.B., Sun L., Rivero-Fernandez C. (2019) [Happiness and Joy](#). In LoBue V., Perez-Edgar K., Buss K. (eds) *Handbook of Emotional Development*, pp 171-198. Springer, Cham.
- Martin, K.B. & Messinger, D.S. (2018). [Smile](#). Bornstein, M. (Ed.), *The SAGE Encyclopedia of Lifespan Human Development*.
- Chow, S. M., Ou, L., Cohn, J. F., & Messinger, D. S. (2017). Representing Self-organization and Nonstationarities in Dyadic Interaction Processes Using Dynamic Systems Modeling Techniques. In von Davier, Zhu, & Kyllonen (Eds.), *Innovative Assessment of Collaboration. Methodology of Educational Measurement and Assessment*. Cham: Springer.
- Ekas, N. V., Braungart-Rieker, J. M., & Messinger, D. S (2018). [The development of infant emotion regulation: Time is of the essence](#). In P. M. Cole & T. Hollenstein (Eds.) *Emotion Regulation: A Matter of Time*, pp. 31-51. New York: Routledge.

- Rao, H., Clements, M. A., Li, Y., Swanson, M. R., Piven, J., & Messinger, D. S. (2017). [Paralinguistic Analysis of Children's Speech in Natural Environments](#). In J. M. Rehg, S. A. Murphy & S. Kumar (Eds.), *Mobile Health: Sensors, Analytic Methods, and Applications* (pp. 219-238). Cham: Springer International Publishing.
- Prince, E.B., Martin, K.B. & Messinger, D.S. (2017) Facial Action Coding System. In Allen, M. (Ed.), *The SAGE Encyclopedia of Communication Research Methods*.
- Messinger, D., Duvivier, L. L., Warren, Z., Mahoor, M., Baker, J., Warlaumont, A. S., & Ruvolo, P. (2015). [Affective Computing, Emotional Development, and Autism](#). In Calvo, R. (Ed.), *Handbook of Affective Computing*. NY: Oxford University Press.
- Chow, S-M., Mattson, W. I. & Messinger, D. S. (2014). [Representing trends and moment-to-moment variability in dyadic and family processes using state-space modeling techniques](#). In McHale, S., Amato, P., & Booth, A. (Eds.), *Emerging methods in family research*, (Vol. 4, pp. 39-55): Springer International Publishing.
- Sauter, D., McDonald, N. M., Gangi, D., & Messinger, D. S. (2014). [Nonverbal expressions of positive emotions](#). In M. M. Tugade, M. N. Shiota & L. D. Kirby (Eds.), (pp. 179-198). New York, NY, US: Guilford Press.
- Messinger, D., Mahoor, M., Chow, S., Haltigan, J. D., Cadavid, S., & Cohn, J. F. (2014). [Early Emotional Communication: Novel Approaches to Interaction](#). In J. Gratch & S. Marsella (Eds.), *Social emotions in nature and artifact: Emotions in human and human-computer interaction* (Vol. 14, pp. 162-180): Oxford University Press. [MS](#).
- Tronick, E. Z., D. S. Messinger, M. K. Weinberg, B. M. Lester, L. Lagasse, R. Seifer, C. R. Bauer, S. Shankaran, H. Bada, L. L. Wright, K. Poole and J. Liu (2014). Cocaine Exposure Is Associated with Subtle Compromises of Infants' and Mothers' Social-Emotional Behavior and Dyadic Features of Their Interaction in the Face-to-Face Still-Face Paradigm. *Neurodevelopmental Disorders*. M. S. C. Thomas and A. Karmiloff-Smith, Sage Publications LTD. Four: 711-722. Invited Reprint.
- Oberwelling, E., Mattson, W.I., Ekas, N. & Messinger, D. S. (2012). [Facial Expression Learning](#). In N. Seel (Ed.), *Encyclopedia of the Sciences of Learning* (1257-1262). New York, NY: Springer.
- McDonald, N., & Messinger, D. (2011). [The development of empathy: How, when, and why](#). In A. Acerbi, J. A. Lombo, & J. J. Sanguinetti (Eds), *Free will, Emotions, and Moral Actions: Philosophy and Neuroscience in Dialogue*. IF-Press.
- Messinger, D. (2008). [Smiling](#). In M. M. Haith & J. B. Benson (Eds.), *Encyclopedia of Infant and Early Childhood Development*, Vol. 3, pp. 186-198. Oxford: Elsevier. Republished in *Social and Emotional Development in Infancy and Early Childhood*.
- Messinger, D. & Fogel, A. (2007). [The interactive development of social smiling](#). In Robert Kail (ed.), *Advances in Child Development and Behavior*, 35, 327-366. Oxford: Elsevier.
- Messinger, D. S. & Lester, B.M. (2007). [Prenatal substance exposure and human development](#). In Fogel, A., King, B. J., & Shanker, S. (Eds.), *Human Development in the 21<sup>st</sup> Century: Visionary Policy Ideas from Systems Scientists* (pp. 225-232). Council on Human Development: Bethesda, MD.

- Messinger, D. (2006). [Smiling](#). In N. J. Salkind (Ed.), *Encyclopedia of Human Development* (Vol. 3, pp. 1183-1185). Thousand Oaks, CA: Sage.
- Messinger, D. S. (2005). [A measure of early joy?](#) Afterword to the re-publication of “[All smiles are positive, but some smiles are more positive than others](#)” in P. Ekman & E. Rosenberg (Eds.), *What the face reveals: Studies of spontaneous facial expression using the Facial Action Coding System (FACS)* (2<sup>nd</sup> Edition, pp. 350-353; 3<sup>rd</sup> Edition, chapter 13). Oxford University Press.
- Lavelli, M., Pantoja, P. F., Hsu, H., Messinger, D. & Fogel, A. (2005). [Using microgenetic designs to study change processes](#). In D. G. Teti (Ed.), *Handbook of Research Methods in Developmental Psychology* (pp. 41-65). Blackwell.
- Bolzani, L., Messinger, D. S., Yale, M. E., Dondi, M. (2002). Smiling in Infancy. In Millicent H. Abel (Ed.), [An empirical reflection on the smile](#) (pp. 111-135). New York: The Edwin Mellen Press.
- Dickson, K. L., Fogel, A., & Messinger, D. (1998). [The development of emotion from a social process view](#). In M. F. Mascolo & S. Griffin (Eds.) *What develops in emotional development?* (pp. 253-271). New York: Plenum.
- Fogel, A., Dickson, K. L., Hsu, H., Messinger, D., Nelson, C. M., Nwokah, E. (1997). [Communication of smiling and laughter in mother-infant play: Research on emotion from a dynamic systems perspective](#). In K. C. Barrett (Ed.) *The communication of emotion: Current research from diverse perspectives* (pp. 5-24). San Francisco: Jossey Bass.
- Messinger, D., Fogel, A., & Dickson, K. L. (1997). [A dynamic systems approach to infant facial action](#). In J. A. Russell and F. M. Dols (Eds.) *The psychology of facial expression* (pp. 205-226). New York: Cambridge University Press.
- Fogel, A., Stevenson, P., & Messinger, D. (1992). [A comparison of the parent-child relationship in Japan and the United States](#). In J. L. Roopnarine & D. B. Carter (Eds.), *Parent-child socialization in diverse cultural contexts* (pp. 35-51). Norwood, NJ: Ablex.
- Walker, H., Messinger, D., Fogel, A., & Karns, J. (1992). [Social and communicative development in infancy](#). In V. B. Van Hasselt & M. Hersen (Eds.), *Handbook of social development: A lifespan perspective* (pp. 157-181). New York: Plenum Press.

## Refereed Articles

- Sarker, D., Zhang, Y., Perry, L. K., Messinger, D. S., Song, C. (2026). Alignment phase transition in socially driven motion. *Science Advances*, in press. Preprint available at [arXiv:2506.01550](https://arxiv.org/abs/2506.01550).
- Carollo, A., Fong, S., Vivanti, G., Messinger, D. S., Dimitriou, D., & Esposito, G. (2026). Response to: "Converging Approaches to Autistic Online Discourse". *Autism Research: Official Journal of the International Society for Autism Research*. <https://doi.org/10.1002/aur.70187>
- Zeng, G., Ahn, Y. A., Leung, T. S., Maylott, S. E., Malik, A., Messinger, D. S., & Simpson, E. A. (2025). Automated detection of mouth opening in newborn infants. *Behavior research methods*, 57(12), 1-17. <https://doi.org/10.3758/s13428-025-02842-9>

- Malik, A., Leung, T. S., Zhang, S., Zeng, G., Maylott, S. E., Bainter, S., Messinger, D. M., Paukner, A., & Simpson, E. A. (2025). Stability of Individual Differences in Social and Nonsocial Visual Attention From Newborn to 14 Months. *Dev Psychobiol*, 67(4), e70054. PMID: 40525326; PMCID: PMC12171950. <http://dx.doi.org/10.1002/dev.70054>
- Burrows, C.A., Sung, S., Zheng, S., Young, G.S., Charman, T., Klaiman, C., Klin, A., Marrus, N., Ozonoff, S., Piven, J., Robins, D.L., Schmidt, R.J., Schwichtenberg, A., Webb, S.J., Zwaigenbaum, L., Carver, L.J., Chawarska, K., Curtin, S., Jeste, S.S., Iverson, J.M., Landa, R.J., Messinger, D.S., Roberts, J.E., Stone, W.L., Tager-Flusberg, H., Esler, A.E., Miller, M., Bishop, S.L., & Elison, J.T. (2025). Sex-related measurement bias in autism symptoms in the Baby Siblings Research Consortium. *JAMA Network Open*, 8(8), e2525887. doi:10.1001/jamanetworkopen.2025.25887
- Kellerman, A., Janis, A., Piergies, A., Dermody, S. S., Messinger, D. S., Miller, M., & Schwichtenberg, A. J. (2025). Dyadic Synchrony and Responsiveness Within the Context of Elevated Autism Likelihood: Applying Time-Varying Effect Models. *Journal of Autism and Developmental Disorders*. <https://rdcu.be/exSVq>
- Fong, S., Carollo, A., Vivanti, G., Messinger, D. S., Dimitriou, D., & Esposito, G. (2025). Autism Spectrum Disorders Discourse on Social Media Platforms: A Topic Modeling Study of Reddit Posts. *Autism Research*, no. 8: 1608–1619. <https://doi.org/10.1002/aur.70066>.
- Elbaum B, Perry LK, Sarangoulis CM, Goodman KW, Messinger DS, Cejas I The Use of Automated Digital Data in Speech, Language, and Hearing Research: Confronting a New Ethical Landscape. *Journal of Speech, Language, and Hearing Research*. doi:10.1044/2025\_JSLHR-24-00819. [https://pubs.asha.org/doi/abs/10.1044/2025\\_JSLHR-24-00819](https://pubs.asha.org/doi/abs/10.1044/2025_JSLHR-24-00819)
- Shaughnessy, S., Messinger, D. and Evans, S.C. (2025), Longitudinal effects of green, blue, and gray spaces on early adolescent mental health in the United States. *Child Adolesc Ment Health*. <https://doi.org/10.1111/camh.12763>
- Lyall, K., Dickerson, A.S., Green, A.M., Frndak, S., Croen, L.A., Ames, J.L., Avalos, L.A., Aschner, J.L., Bush, N.R., Camargo, C.A., Jr, D'Sa, V., Dager, S.R., Dunlop, A.L., Ferrara, A., Ganiban, J.M., Gern, J.E., Gissandauer, T.D., Graff, J.C., Hertz-Picciotto, I., Hipwell, A.E., Ma, T., Miller, M., Murphy, L., Karagas, M.R., Kelly, R.S., Margolis, A., Koinis-Mitchell, D., McEvoy, C.T., Messinger, D., Nguyen, R., Oken, E., Ozonoff, S., Page, G.P., Schantz, S.L., Schmidt, R.J., Shuster, C.L., Schweitzer, J.B., Sheinkopf, S.J., Stanford, J.B., Trevino, C.O., Weiss, S.T., Volk, H.E., Joseph, R.M. and (2025), Demographic Correlates of Autism: How Do Associations Compare Between Diagnosis and a Quantitative Trait Measure?. *Autism Research*, 18: 648-659. <https://doi.org/10.1002/aur.3296>
- Drye M, Banarjee C, Perry L, Viggiano A, Irvin D, Messinger D (2025) Children's social preference for teachers versus peers in autism inclusion classrooms: An objective perspective. *Autism Res* 18:179-194.10.1002/aur.3276. PMC11782723. <http://dx.doi.org/10.1002/aur.3276>. PMID: 39627983. <https://pubmed.ncbi.nlm.nih.gov/39627983/>
- Perry LK, Messinger DS, Cejas I (2025) Vocabulary Composition Shapes Language Development in Children with Cochlear Implants. *Dev Sci* 28:e13588.10.1111/desc.13588. <http://dx.doi.org/10.1111/desc.13588>. Featured in “New study sheds light on language development in children with hearing loss,” <https://www.msn.com/en-us/health/other/new-study-sheds-light-on-language-development-in-children-with-hearing-loss/ar-AA1u6nYFe> and “Shape-Based Nouns Aid Language Growth in Children with

- Cochlear Implants” <https://hearingreview.com/hearing-products/implants-bone-conduction/cochlear-implants/these-nouns-aid-language-growth-in-children-with-cochlear-implants>.
- Elbaum B, Perry LK, Messinger DS (2024). [Investigating children's interactions in preschool classrooms: An overview of research using automated sensing technologies](#). *Early Childhood Research Quarterly*, 66:147-156.
- Foster, T. J., et al. (2024). "Classroom sensing tools: Revolutionizing classroom-based research in the 21st century." *Topics in Early Childhood Special Education* 44(3): 229-242.
- Lyall, K., Dickerson, A.S., Green, A.M., Frndak, S., Croen, L.A., Ames, J.L., Avalos, L.A., Aschner, J.L., Bush, N.R., Camargo, C.A., Jr, D'Sa, V., Dager, S.R., Dunlop, A.L., Ferrara, A., Ganiban, J.M., Gern, J.E., Gissandaner, T.D., Graff, J.C., Hertz-Picciotto, I., Hipwell, A.E., Ma, T., Miller, M., Murphy, L., Karagas, M.R., Kelly, R.S., Margolis, A., Koinis-Mitchell, D., McEvoy, C.T., Messinger, D., Nguyen, R., Oken, E., Ozonoff, S., Page, G.P., Schantz, S.L., Schmidt, R.J., Shuster, C.L., Schweitzer, J.B., Sheinkopf, S.J., Stanford, J.B., Trevino, C.O., Weiss, S.T., Volk, H.E., Joseph, R.M. and (2025), Demographic Correlates of Autism: How Do Associations Compare Between Diagnosis and a Quantitative Trait Measure?. *Autism Research*. <https://doi.org/10.1002/aur.3296>
- Zhang Y, Sarker D, Mitsven S, Perry L, Messinger D, Rudolph U, Siller M, Song C (2024) Emergence of social phases in human movement. *Physical Review E* 110:044303. <https://journals.aps.org/pre/abstract/10.1103/PhysRevE.110.044303>. Featured in “Kids go with the flow — Just like water vapour.” *Research Highlights. Nature*, 634, p. 517. <https://www.nature.com/articles/d41586-024-03203-w>
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- Colonnese C, Salvadori EA, Oort FJ, Messinger DS (2024). Not too shy to point! Exploring the relationship between shyness and pointing in the second year. *Infancy* n/a. <https://doi.org/10.1111/infa.12610> .
- Zeng G, Leung TS, Maylott SE, Malik A, Adornato AA, Lebowitz M, Messinger DS, Szeto A, Feldman R, Simpson EA (2024) Infants' salivary oxytocin and positive affective reactions to people. *Hormones and Behavior* 164:105579. <https://doi.org/10.1016/j.yhbeh.2024.105579>.
- Ahn YA, Martin K, Prince EB, Chow S-M, Cohn JF, Wang J, Simpson EA, Messinger DS (2024). [How still? Parent-infant interaction during the still-face and later infant attachment](#). *Infant and Child Development* n/a:e2492. <https://doi.org/10.1002/icd.2492>.
- Ahmad SS, McLaughlin MM, Tawfik SH, Messinger D, Weisman de Mamani A (2024) [Exploration of an immigrant paradox in Muslims living in the United States \(MLUS\)](#). *Professional Psychology: Research and Practice*:10.1037/pro0000552.
- Zaharieva MS, Salvadori EA, Messinger DS, Visser I, Colonnese C (2024) [Automated facial expression measurement in a longitudinal sample of 4- and 8-month-olds: Baby FaceReader 9 and manual coding of affective expressions](#). *Behavior Research Methods*.10.3758/s13428-023-02301-3.

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- Chen C, Messinger DS, Chen C, Yan H, Duan Y, Ince RAA, Garrod OGB, Schyns PG, Jack RE (2023). [Cultural facial expressions dynamically convey emotion category and intensity information](https://doi.org/10.1016/j.cub.2023.12.001). *Current Biology*. <https://doi.org/10.1016/j.cub.2023.12.001>.
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- Custode, S. A., Bailey, J., Sun, L., Katz, L., Ullery, M., Messinger, D., Bulotsky-Shearer, R. J., & Perry, L. K. (2023). [Preschool Language Environments and Social Interactions in an Early Intervention Classroom: A Pilot Study](https://doi.org/10.1177/10538151231176176). *Journal of Early Intervention*, 0(0). <https://doi.org/10.1177/10538151231176176>
- Gipson, T. T., Oller, D. K., Messinger, D. S., & Perry, L. K. (2023). [Understanding speech and language in tuberous sclerosis complex](https://doi.org/10.3389/fnhum.2023.1149071). *Frontiers in Human Neuroscience*, 17.  
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## Conference Proceedings

- Sun, A., Feng, T., Gutierrez, G., Londono, J. J., Xu, A., Elbaum, B., Narayanan, S., Perry, L. K., & Messinger, D. S. (2025). Who Said What (WSW 2.0)? Enhanced Automated Analysis of Preschool Classroom Speech. 2025 IEEE International Conference on Development and Learning (ICDL), <https://ieeexplore.ieee.org/document/11204438>
- Tian, Y., Vitale, L., Sarker, D., Perry, L., Messinger, D., & Hung, H. (2025, 16-19 Sept. 2025). Groups Matter: Investigating the Effects of Homophily in Child Interactions in an Inclusive Classroom. 2025 IEEE International Conference on Development and Learning (ICDL), <https://ieeexplore.ieee.org/document/11204354>
- Huang E, Mojica Vazquez L, Echevarrieta-Catalan N, Vitale L, Messinger DS, Aguiar-Pulido V (2023). Behavioral Classification and Characterization of Autism Spectrum Disorder in Naturalistic Settings using Classical Machine Learning. 37th Conference on Neural Information Processing Systems (NeurIPS): LatinX in AI (LXAI) Research Workshop at New Orleans, LA (USA).
- Sun A, Londono JJ, Elbaum B, Estrada L, Lazo RJ, Vitale L, Villasanti HG, Fusaroli R, Perry LK, Messinger DS (2024) Who Said what? An Automated Approach to Analyzing Speech in Preschool Classrooms. In: 2024 IEEE International Conference on Development and Learning (ICDL), pp 1-8. 10.1109/ICDL61372.2024.10644508.
- Messinger, D. S. Sun A, Gutierrez, G, Londono JJ, Elbaum B, Estrada L, Lazo RJ, Vitale L, Perry LK (2025). *The role of teacher language in preschool language development* [Conference presentation]. In

Naturalistic Observation of Language Development Outside the Home Symposium, Proceedings of the 47<sup>th</sup> Annual Conference of the Cognitive Science Society, San Francisco, CA.

## Published Letters and Editorials

Singh, L., Bortfeld, H., Messinger, D. S., & Rawlings, B. (2026). A guide to peer review in developmental psychology. *Developmental Science*.

Eshraghi, A. A., Li, C., Alessandri, M., Messinger, D. S., Eshraghi, R. S., Mittal, R., & Armstrong, F. D. (2020). [COVID-19: overcoming the challenges faced by individuals with autism and their families](#). *The Lancet Psychiatry*, 7(6), 481-483. doi:10.1016/S2215-0366(20)30197-8

## Books

Fogel, A. & Messinger, D. (2024). *Infant Development: A Topical Approach*, 3rd edition. Sloan Publishing.

Fogel, A. & Messinger, D. (2024). *Infancy: Infant, Family, and Society*, 7th edition. Sloan Publishing.

## Blog Posts

Messinger, D. & Viggiano, A. (2023). International Conference on Infant Studies. Tools of the Trade: Autism and Development. Latest from the Baby Blog.

## Funded Research

- |                      |   |
|----------------------|---|
| 2025-2027            | The Role of Infant Physiology on Dyadic Coordination and Social Communication in the Emergence of ASD. 1F32MH138129. 2025 funding: \$78,520. PI: Yurkovic-Harding. Role: Mentor.  |
| 2023-2024            | Characterizing the content of bilingual language in preschoolers with HL NIDCD Diversity Supplement: 3R01DC018542-04S2 (\$83,618). MPI: Messinger & Perry.  |
| 10/1/2024-9/31/25    | Toddlers Talk, Let's Take Turns. Children's Trust: AWD-008141 (\$61,000) 10/1/2022-9/31/23. \$53,000. PI: Daniel Messinger.   |
| 1/1/24 - 5/31/25     | Using AI to Predict Real Time Speech and Dis/Ability in Diverse Inclusive Preschool Classrooms. (\$150,000). U-LINK. MPI: Perry & Aguiar-Pulido. Role: Co-I.  |
| 11/1/23 - 10/31/26   | Multimodal, objective assessment of the ASD phenotype: Longitudinal stability and change across contexts. (\$750,000). Simons Foundation Autism Research Initiative (SFI-AR-HUMAN-00004115-01). PI: Messinger, Lord, Narayanan. |
| 7/1/2023 - 6/30/2024 | Bioethical Issues Associated with Objective Behavioral Measurement of Children with Hearing Loss in Naturalistic Environments. NIDCD Administrative Supplement: 3R01DC018542-03S2 (\$297,012). MPI: Messinger & Perry.          |
| 2023-2024            | Characterizing bilingual spoken language experiences in preschoolers with hearing loss. NIDCD Diversity Supplement: 3R01DC018542-03S1 (\$84,244). MPI: Messinger & Perry.   |

2022-2025 Early Communication in Tuberous Sclerosis Complex (TSC) and its Prediction of Autism (1K23DC019440). Mentor: Messinger, PI: Tanjala Gipson.

09/01/2022 - Objective measurement of naturalistic interaction and early social networks. (2150830).  
08/31/2025 National Science Foundation, Developmental Sciences (\$799,999).  
PIs: Messinger, Perry, Song.

2022-2023 Toddlers Talk: Let's Take Turns. Children's Trust. Innovation 2022. \$61,000. PI: Messinger.

07/01/2022 - Contract Number CP5008. Miami-Dade County Public Schools. University of Miami  
06/30/2023 Linda Ray Intervention Center. \$446,802.

07/01/2021 - Contract Number CP5008. Miami-Dade County Public Schools. University of Miami  
06/30/2022 Linda Ray Intervention Center. \$446,802.

07/01/2022 - FDLRS - Multidisciplinary Educational Services. Florida Department of Education  
06/30/2023 (874-90510-3S022 Contract). \$1,450,000. PI: Messinger.

07/01/2021 - FDLRS - Multidisciplinary Educational Services. Florida Department of Education  
06/30/2022 (874-90510-2S022 3 Contract). \$450,000. PI: Messinger.

04/01/21 - Longitudinal Peer Social Networks and Early Language Development: Transforming  
12/31/23 Understanding of Critical Features of Young Children's Classroom Experiences.  
Spencer Foundation. Lyle Spencer Research Award. (\$306,846 Miami). Co-I:  
Messinger, Perry, & Elbaum. PI L. Justice.

2022 Multimodal Computational Approach to Autism Spectrum Disorder (ASD) Assessment  
and Diagnosis (\$20,000). University of Miami Institute for Data Science & Computing.  
PI: Shyu. Data Scientist: Messinger.

2022 Novel Social Network Approaches to Understand Transmission of Language in  
Preschool Classrooms (\$20,000). University of Miami Institute for Data Science &  
Computing. PI: Perry. Data Scientist: Messinger.

02/01/2021 - Language Development and Social Interaction in Children with Hearing Loss. NIDCD:  
01/31/2026 R01DC018542 (\$1,435,343). MPI: Messinger & Perry.

02/01/2021 Harnessing multimodal data to enhance machine learning of children's vocalizations.  
01/31/2022 NIDCD Supplement: R01DC018542 (\$199,999).  
MPI: Messinger & Perry.

06/01/20 - Play & Learning Across A Year (PLAY). NICHD (NIDA, NIMH, & OD) HD094830.  
05/31/23 Co-I: Messinger & Perry. PI: K. Adolph.

9/8/2020 - Home-based measurement of ASD features. Pivot Grant, Autism Science Foundation,  
12/31/2020 \$3,000. Mentor: Messinger. PI: Jacquelyn Moffitt.

09/01/2020 - Temporal dyadic processes in autism risk and treatment (F31 HD101282-01A1).  
08/31/2022 National Institutes of Health (\$64,028). Co-Sponsor: Messinger. Fellow: Kellerman.

- 07/01/2020 - 11/30/2020 - Pandemics, Classroom Interaction, and Contagion Potential. Microsoft AI for Health COVID-19 Grant Program, \$20,000 (Azure credits), Co-I: Messinger, Perry, & Song. PI: Shyu.
- 06/08/2020 - 12/04/2020 - Pandemics, Classroom Interaction, and Contagion Potential. Google Cloud COVID-19 Research Credits Program, (\$5,000), Co-I: Messinger, Perry, & Song. PI: Shyu.
- 07/01/2018 - 06/30/2022 - Teacher and Peer Speech in Inclusion Classrooms: Malleable Factors Affecting Language Outcomes for Children with Disabilities (R324A180203). National Center for Special Education Research, Institute of Education Sciences Award (\$1,399,735). PI: Messinger.
- 2018-2019 - Examining the heterogeneous clinical expression of social communication disturbances in ASD. Clinical and Translational Science Institute, University of Miami (\$40,000). PI: Perry/Messinger.
- 2018-2019 - Automating and Accelerating the Autism Diagnostic Process. One-Year Pre-Doctoral Fellowship Award to Yeo Jin (Amy) Ahn (\$25,000), Autism Science Foundation. Role: Mentor
- 2017-2018 - U-LINK: Childhood poverty: Pathways to resiliency (18-302). PI: L. Perry (\$4,550). Role: U-LINK Fellow.
- 2017-2021 - Research Experiences for Undergraduates (REU). Scientific Computing for Structure in Big or Complex Datasets (1659144). PI Rosenberg (\$369,000). National Science Foundation (NSF). Role: Mentor.
- 08/15/2016 - 08/14/2020 - IBSS-L: Continuous Measurement of Children's Behavior and the Development of Social Dynamics (1620294). PI: Messinger/Song/Laursen/Shearer (\$869,999). National Science Foundation (NSF), Interdisciplinary Behavioral and Social Science Research (IBSS).
- 2016-2019 - An ASD Enriched Risk (ASD-ER) ECHO Cohort. PI: Newschaffer (\$116,712). DHHS/NIH, subcontract from Drexel University. Role: Site PI.
- 2016-2019 - Objective Measurement of Child Development: Secure Base Behavior and Exploration in Infants (1451511). Research Mentor: Messinger; Awardee: Prince (2016207920). (\$90,000). National Science Foundation (NSF) Graduate Research Fellowship (ID 1451511).
- 2016-2019 - Arousal Tendencies and Individual Differences in Children with Autism Spectrum Disorder (R15HD087877). PI: Baker (Total: \$412,667). This study will examine the relationship between autonomic arousal and individual differences in externalizing behavior problems and clinical symptomatology, to investigate whether these relationships are moderated by social factors in children with ASD. Role: Consultant
- 2016-2017 - Objective Measurement of Attachment. Provost Research Award. PI: Messinger. (\$16,972). Explore objective (automated) measurement of attachment behavior.
- 08/09/2015 - 08/31/2020 - Cognitive and Neural Flexibility in Autism (NIH R01 MH107549). PI: Uddin (\$445,328). The goal of this project is to understand the relationship between cognitive flexibility and brain function during evoked (task) and intrinsic (resting) states in youth with and without ASD. Role: Co-I.

- 2015-2017 Multi-scale human dynamics: Autism, social interaction and the brain. Convergence Grant. College of Arts & Sciences, University of Miami. PI: Messinger, Uddin, Johnson, & Chow. (\$120,000).
- 2013-2017 Modeling the Dynamics of Early Communication and Development. National Institute of General Medical Sciences (1R01GM105004). PI: Messinger, Cohn, & Chow. (Total: \$1,569,211). The modeling of communicative behavior and related genetic markers in infant and mother will increase understanding of pathways to healthy cognitive and socio-emotional development, and shed light on the potential for change in early intervention efforts.
- 2013-2015 Gaze Durations in Infancy. National Science Foundation (BCS-1323927). PI: Messinger. (Total: \$303,381). Explores temporal dependency between consecutive infant gazes, an early manifestation of self-regulation.
- 2011-2014 Collaborative Research: Communication, Perturbation, and Early Development. PI: Messinger & Cohn. (\$202,002, Miami). National Science Foundation (1052736). Applies automated measurement of early interaction to the Face-to-face/Still-face procedure, and predicts attachment security.
- 2011-2013 Genomic Influences on Development and Outcomes in Infants at Risk of ASD. Simons Foundation. (Miami: \$46,252). Simons Foundation. Investigates rare, heritable copy number variants in high-risk siblings of children with an autism spectrum disorder (ASD) by supporting a biorepository including DNA, cell lines and plasma samples from probands with ASD, high-risk infant siblings, and parents from an initial sample of 435 BSRC families.
- 2011-2015 Genomic Influences on Developmental Course and Outcomes in Infants at Risk of ASD: A BSRC Study. (Miami: \$13,617). Autism Speaks. This linked funding will support microarray analyses of approximately 40% of the samples in the SFARI biorepository as well as hypothesis driven genotype-phenotype analyses.
- 2010-2013 Development and Validation of an Autism Case Confirmation Approach for Use in the National Children's Study (Project #8). Messinger (Co-PI). (HHSN275200800002CNIH/NICHHD, \$151,000). National Institutes of Health/National Institute of Child Health and Human Development (NIH/NICHHD). The goal of this project is to determine the best means to validate autism spectrum disorder diagnoses in large cohorts of children.
- 2008-2014 Social-Emotional Development of Infants At Risk for Autism Spectrum. PI: Messinger & Stone. (R01HD057284, Miami: \$1,250,000). National Institute of Child Health and Human Development (NICHD). This cross-site, Vanderbilt-Miami project examines the extent to which early impairments in specific attentional and affective mechanisms (both of which are putative core deficits of autism) explain the behavioral heterogeneity observed in these high-risk children.
- 2010-2012 The Emergence of Emotion Regulation in Children At-Risk for Autism Spectrum Disorders. Sponsor: Messinger; PI: Ekas. (F32HD065385, \$152,000). National Institute of Child Health and Human Development (NICHD).
- 2008-2012 INT2-Large: Collaborative Research: [Developing Social Robots](#) (0808767). PI: Messinger & Movellan. National Science Foundation (\$250,000). Explores the fundamental developmental question - How does new behavior emerge? - through microgenetic examination of early communicative and motor development.

- 2009-2011 [Autistic Traits: Life Course and Genetic Structure](#). PI: Messinger & Constantino. (R01HD042541, Miami: \$280,000). Examines the aggregation of quantitative autistic traits in the first degree relatives of Hispanic with autistic disorder in comparison with non-autistic child psychiatric controls.
- 2007-2010 Automated measurement of facial expression in autism: Deficits in facial nerve function? Autism Speaks. (\$450,000 PI: Messinger, Cohn & Mundy). Investigates whether deficits in facial expressivity in children with autism are due to physiological or emotional factors.
- 2007-2009 A Multi-Site Clinical Randomized Trial of the Hanen More than Words Intervention. Autism Speaks (\$317,415, PI: Messinger & Carter, Stone, & Yoder). This multi-site, randomized control-group study tests the efficacy of a popular parent-training intervention for children under two appear on the autism spectrum.
- 2006-2011 Emotion, Communication, & EEG: Development & Risk (R01 HD047417). PI: Messinger. National Institute of Child Health and Human Development (\$1,037,500). A longitudinal analysis of the affective and social communication development of the infant siblings of children with autism.
- 2007-2009 Naive Observers' Ratings of Behavior: A Multi-Construct Validation Study (R21HD052062, PI, \$275,000). Tests the validity of observers' real-time ratings of constructs ranging from familial hostility to maternal sensitivity to infant emotion. [Free coding and rating software](#).
- 2006 Validating a transparent measurement system: Non-expert observers' continuous ratings. General Research Support Award, University Research Council (\$4991, PI).
- 2006-2007 Autism Sibling Study. Marino Autism Research Institute grant sub-award (\$25,000).
- 2004-2005 Automated assessment of possible deficits in positive emotion communication among infants with autistic siblings. University of Miami College of Arts and Sciences Small Grant (\$24,470).
- 2004-2006 Developing Deficits in Infant Siblings of Children with ASD: Emotional Communication & Psychophysiological Functioning (#855). National Alliance for Autism Research (\$105,891).
- 2004-2005 Automated Measurement of Infant Facial Expressions and Human Ratings of Their Emotional Intensity (0418400). National Science Foundation (\$100,000, PI with Jeffrey Cohn)
- 2004 Automated Assessment of Emotional Communication Among Infants with an Autistic Sibling. University Research Council (\$4992, PI).
- 2004 Sponsor: "Does viewing images of infant smiles increase positive mood in the elderly?" (Tricia Cassel PI). Graduate Fellowship in Aging. University of Miami Center on Aging (\$2,000).
- 2003-2004 Does Smiling in the Face of Adversity Predict Optimal Outcomes? Grant from the Positive Psychology Network (\$10,000, PI).
- 2003-2004 A Multi-Method Investigation of Infant Emotion (HD416190-01S1). Research Supplement For Underrepresented Minorities. National Institute of Child Health and Human Development (\$29,472, PI).

2002-2004	A Multi-Method Investigation of Infant Emotion (HD41619). National Institute of Child Health and Human Development (\$100,000, PI). (Selected by NICHD as an exemplar for new grant applicants.)
2001	Facial Markers of Intense Positive and Negative Emotion. General Research Support Award. University Research Council (\$4,400, PI).
2000-2003	The Temporal Coordination of Infant Social Actions (HD38336). National Institute of Child Health and Human Development (\$100,000, PI).
2000	Undergraduate Research Laboratory in Applied Developmental Psychology (PI with Katherine Fletcher, Ph.D.). Provost Award (\$10,200).
1994	Emergency Request for Institutional Funding. University of Miami Medical School. Pediatric EEG (\$4,085, PI).
1992	Summer Research Grant. Department of Pediatrics, University of Utah. Psychological outcomes of low birth weight infants (\$5,000, PI).

## Editorial and Reviewing Roles

### Editorial Roles

2024-	Developmental Science, Editor-in-Chief.
2014-2023	Developmental Science, Associate Editor (adjudicated manuscripts: 2018-17; 2019-12; 2021-10).
2009-2011	Emotion, Associate Editor.
2007-2008, 2023-present	Infancy, Editorial Board

### Grant Proposal Reviews

2025	National Science Foundation Research Traineeship (NRT) Program, Internal, University of Miami
2024	Simons Foundation for Autism Research Initiative.
2022	NSF Reviewer. Science and Technology Center Pre-Proposals.
2022-2025	NIH Reviewer. Biobehavioral and Behavioral Sciences Study Section. National Institute of Child Health and Human Development Initial Review Group (CHHD-H 1).
2021-2022	NIH Reviewer. Special Emphasis Panel/Scientific Review Groups: ZRG1 RPHB-W (03);
2020	Israel Science Foundation, Ad Hoc Reviewer.

2019-2020 NIH Ad Hoc Reviewer: Special Emphasis Panel/Scientific Review Group.

2017-2018 Member, College of Reviewers. National Science Foundation, Developmental Sciences Program.

2020-2025 U-LINK Reviewer, University of Miami.

2017 National Science Foundation. Ad Hoc Reviewer. Social and Economic Sciences.

2017 NIH Reviewer: Special Emphasis Panel/Scientific Review Group ZRG1 RPHB-W (03) M

2016 NIH Reviewer: Risk, Prevention and Health Behavior Special Emphasis Panel (RPHB-W 03).

2016-2022 Reviewer, Behavioral and Social Sciences Panel, Provost Research Award, University of Miami

2015 NIH Reviewer: National Institute of Mental Health Special Emphasis Panel, Consortium on Biomarkers and Outcome Measures in Autism Spectrum Disorder. ZMH1 ERB-C (05).

2014, '15 Miami CTSI (Clinical and Translational Science Institute), Pilot and Collaborative Studies

2005-2022 National Science Foundation: Social, Behavioral, and Economic Sciences Directorate. 2013 Technology Foundation the Topsector High Tech Systems and Materials. Netherlands.

2013, 2016 National Science Foundation. Panel Reviewer. Developmental and Learning Sciences (DLS).

2008-2012 National Science Foundation. Ad Hoc Reviewer. Developmental and Learning Sciences (DLS).

2013 NIH Ad Hoc Reviewer: Special Emphasis Panel/Scientific Review Group 2014/01 ZRG1 RPHB-M (02) M

2013-2018 NIH Ad Hoc Reviewer: Psychosocial Development, Risk, and Prevention (PDRP).

2011 NIH Ad Hoc Reviewer & Chair: Scientific Review Group: ZHD1 DSR-W 50

2010 NIH Ad Hoc Reviewer: Scientific Review Group: ZRG1 RPHB-C (03) M

2010 NIH Ad Hoc Reviewer & Chair. Special Emphasis Panel/Scientific Review Group ZHD1 DSR-W (CJ)

2009 NIH Ad Hoc Reviewer & Chair. Special Emphasis Panel/Scientific Review Group ZDC1 SRB-Y (51)

2009 NIH Ad Hoc Reviewer: Special Emphasis Panel/Scientific Review Groups ZRG1 BBBP, ZHD1 DSR-W, and Challenge Grants in Health and Science Research.

2018 Autism Speaks. Ad Hoc.

2009 Autism Speaks Dennis Weatherstone Pre-doctoral Fellowships.

2008 Autism Speaks: Basic & Clinical Review Panel, Social Sciences and Humanities Research Council of Canada (Grant Proposal Reviews)

## Manuscript Reviewer

2000-2025	Infancy
2024	Translational Psychiatry
2023	Journal of Child Psychology and Psychiatry
2023	Social Cognitive and Affective Neuroscience
2023	Early Childhood Research Quarterly
2022-2023	Journal of Applied Developmental Psychology
2022	Development and Psychopathology
2020	Psychological Science
2018	Journal of the American Academy of Child and Adolescent Psychiatry; Scientific Reports; Current Opinion in Biomedical Engineering
2017	Psychological Bulletin
2017	Decety, J. (Ed.), The Social Brain. Massachusetts Institute of Technology Press.
2017	Molecular Autism
2016	Journal of Medical Internet Research
2015-2025	Autism Research
2014	Current Directions in Psychological Science
2012-2017	PLOS ONE.
2012-2013	Mind, Culture, and Activity: An International Journal.
2011-2020	IEEE Transactions on Affective Computing
2009-2021	Journal of Autism and Developmental Disorders
2004-2013	Cognition and Emotion
2011	Deak, G. O., Triesch, J., Krasno, A., de Barbaro, K., & Robledo, M. "Learning to Share: The Emergence of Joint Attention In Human Infancy," in B. Kar (Ed.) Cognition and Brain Development. Washington, DC: APA.
1991-2019	Child Development
2011-2012	Autism Journal
2003-4, 2011	Parenting: Science and Practice
2011	Artificial Intelligence in Medicine
2000-2019	Emotion

2002-2021 Infant Behavior and Development

2009 Symmetry

2009 Berk, L. Infants, Children, and Adolescents (6th Ed.). Pearson Education, Boston.

2004-2009 Developmental Psychobiology

2002-2010 Developmental Science.

2008 Cognition, Journal of Developmental Processes, Journal of Nonverbal Behavior, The Handbook of Jealousy (Wiley).

2007-2010 The Journal of Child Psychology and Psychiatry.

2007 Journal of Personality and Social Psychology: PPID, Cognition, Neurotoxicology & Teratology.

2005-2009 The Journal of Developmental & Behavioral Pediatrics

1991-2018 Developmental Psychology.

2006 American Journal of Orthopsychiatry, Prospectus. Patterson, C. Child Development. McGraw-Hill. Prospectus. Child Development at the Intersection of Emotion and Cognition. Susan D. Calkins & Martha Ann Bell (Eds.). APA Books.

2005-2006 Early Human Development

2003-2005 Journal of Developmental and Behavioral Pediatrics

2004 Fogel, A. Infancy: Infant, Family, and Society (4th Ed.). Wadsworth. Bremner, G. Infancy (2nd Ed). Blackwell.

2004 Lamb, M. E., Bornstein, M. H., & Teti, D. M. (2002). Development in Infancy (4th Ed.). Erlbaum.

2003 Infant Mental Health Journal, Journal of Clinical Child and Adolescent Psychology, & Behavior Research Methods, Instruments, and Computers.

2002 American Journal on Mental Retardation

1999-2001 Infant and Child Development

1997 Early Development and Parenting & Social Development

## Conference Reviewer

2023 AFFECTIVE COMPUTING + INTELLIGENT INTERACTION (ACII) 2023.

2016 Face and Gesture 2017

2016 Society for Research in Child Development Review Panel Co-Chair: Social,

	Emotional, Personality
2016	18th ACM International Conference on Multimodal Interaction
2014, 2016	Emotional Development Panel for the International Conference on Infant Studies
2012, 2014	Program Committee, IEEE International Conference on Automatic Face and Gesture Recognition (FG)
2012	Bridge Chair (Developmental Psychology). <a href="#">IEEE Conference on Development and Learning / EpiRob 2012</a>
2009, 2011, 2017	International Conference on Infant Studies (ICIS) Reviewer, Emotional Development Panel
2011	Program Committee for the Affective Computing track of the 25th Florida Artificial Intelligence Research Society Conference (FLAIRS-25), Marco Island, Florida, USA.
'99, '03, '05, '10, '13, 17	Emotional Development Panel of the Biennial International Conference on Infant Studies (ICIS)
2003-4	Emotional Development Panel of the Society for Research in Child Development
2003	Affect and Temperament Panel of the meeting of the Society for Research in Child Development
2000	Social Development Panel of the Biennial International Conference on Infant Studies

## Professional Organization Memberships

2013	Humaine Association (formerly the Association for the Advancement of Affective Computing)
2012	Bridge Chair, Developmental Psychology, IEEE Conference on Development and Learning / EpiRob
1991-present	International Society for Infant Studies
1991-2016	American Psychological Association
1996-2016	International Society for Research on Emotion
1988-2016	Society for Research in Child Development

## Awards

2017-2018	ULink Fellow, University of Miami
2014-2020	Cooper Fellow, University of Miami

- 2004 James W. McLamore Summer Award in Business and The Social Sciences, University of Miami. "Predicting Referential Communication Among Typically-Developing and At-Risk Infants."
- 2004 MUSE Award, Contributions to the Undergraduate Program, Psychology Department, University of Miami.
- 2002 James W. McLamore Summer Award in Business and The Social Sciences, University of Miami. 'The intensification of positive and negative facial expressions in infancy.'
- 2000 James W. McLamore Summer Award in Business and The Social Sciences, University of Miami. 'Positive and negative facial expressions in infancy.'
- 1999 American Psychological Association Science Directorate Dissertation Research Award.
- 1992-3 University Research Committee Graduate Student Fellowship, University of Utah. "The Development of Infant Smiling."
- 1991-3 Professional Development Award. Department of Psychology, University of Utah.
- 1992-3 International Society for Infant Studies Student Presentation Award. "Infant and mother interactive smiles: Morphological and temporal characteristics."
- 1992 National Institute of Mental Health, Trainee, Department of Psychology, University of Utah.

## Presentations

- Viggiano, A., Angeles, L., Feng, T., Xu, A., Micheletti, M., Perry, L., Narayanan, S., Lord, C., & Messinger, D. (2026, May). *Associations between fundamental frequency and ASD symptom severity in preschoolers: Stability and change over time* [Poster presentation]. International Society for Autism Research Annual Meeting, Prague, Czech Republic.
- Messinger, D. S., Drye, M., Sun, A., Elbaum, B., Gutierrez, G., Londoño, J., Vitale, L., & Perry, L. K. (2025, September). Machine Learning Goes to Preschool: Computing Communication. In Symposium 11: Naturalistic observation of language development outside the home. IEEE International Conference on Development and Learning (ICDL) Workshop. Using machine learning to track learning through interactions with the environment. Prague, Czech Republic.
- Messinger, D. S., Drye, M., Sun, A., Elbaum, B., Gutierrez, G., Londoño, J., Vitale, L., & Perry, L. K. (2025, September). Who Said What WSW 2.0? Enhanced Automated Analysis of Preschool Classroom Speech. Poster presented at IEEE International Conference on Development and Learning (ICDL). Prague, Czech Republic.
- Messinger, D. S., Sun, A., Drye, M., Elbaum, B., Gutierrez, G., Londoño, J., Vitale, L., & Perry, L. K. (2025, August). The role of teacher language in preschool language development. In Symposium 11: Naturalistic observation of language development outside the home (Recipient of the Disciplinary Diversity & Integration Award in Cognitive Science), Annual Meeting of the Cognitive Science Society, San Francisco, CA.
- Messinger, D., Cobo-Lewis, A., & Colonesi, C., & Salvadori, E. (2025, June). Invited presentation. The development of behavioral coordination. Webinar presented at symposium on automated tools for annotating and analyzing socially contingent interactions, Social Contingency Consortium.

- Drye, M., Banarjee, C., Viggiano, A., Perry, L., Irvin, D., & Messinger, D. (2025, May). Children's social preference for teachers versus peers in autism inclusion classrooms: An objective perspective. Paper presented at the Society for Research in Child Development. Minneapolis, MN.
- Drye, M. & Messinger, D. (Co-Chairs). (2025). Tracking social dynamics: Objective measurement of movement and interaction in children with and without ASD [Paper Symposium]. Society for Research in Child Development Biennial Meeting, Minneapolis, MN, United States.
- Messinger, D. (4/25/2025). Invited presentation. Lessons from preschool: Peer and teacher effects on early development. Grand Rounds. Neurodevelopmental Intervention Science IPC. Mailman Center for Child Development, University of Miami.
- Messinger, D. (4/11/2025). Invited presentation. An Objective View of Autism in Naturalistic Contexts: From the Clinic to the Classroom. Child Mind Institute. NY, NY.
- Messinger, D. (3/28/25). ML in Developmental Psychology. Guest Lecture in CSC198, Data Science for Non-Scientists, Dr. Jerry Bonnel, Instructor.
- Viggiano, A., Angeles, L., Feng, T., Xu, A., Micheletti, M., Lord, C., Narayanan, S., & Messinger, D. (2025). Automated Detection of ASD Vocal Features in Young Children Over Time. *SFARI 2025 Investigator Meeting*, New York, NY, United States
- Messinger, D. (2025). Invited presentation. Lessons from preschool: Objective measurement of movement and language in children with and without disabilities. Kennedy Krieger Institute. Baltimore, MD.
- Drye, M., Angeles, L., Fazal, S., Estrada, L., Viggiano, A., Vitale, L., Perry, L., Aguiar-Pulido, V., Messinger, D. (2025, May 1-3). Objectively measured speech and movement characteristics in the classroom distinguish preschoolers with autism spectrum disorder. In I. Dinstein (chair), *Using digital phenotyping techniques to assess autism severity*. [Symposium]. International Society for Autism Research Annual Meeting, Seattle, WA, USA.
- Viggiano, A., Moffitt, J., Alessandri, M., Messinger, D. (2025, May). *Objective Measurement of Vocal Features in Early Development Among Toddlers with Later ASD*. Poster presented at the International Society for Autism Research Annual Meeting, Seattle, WA, USA.
- Drye, M., Estrada, L., Vitale, L., Perry, L., Messinger, D. (2025). *Predicting vocalizations during peer social contact for children with ASD in inclusive preschool classrooms* [Poster presentation]. International Society for Autism Research Annual Meeting, Seattle, WA, USA.
- Siller, M., Messinger, D., Sarker, D., Song, C., Perry, L., Schirmer, B., Morgan, L., & Gillespie, S. (2025, May) (2025). Continuous, objective measures of social contact in inclusive preschool classrooms distinguish children with and without autism [Conference presentation]. International Society for Autism Research Annual Meeting.
- D. Sarker, Y. Zhang, S. Mitsven, L. Perry, D. Messinger, U. Rudolph, M. Siller, and C. Song, "Physics of low-speed human movement," presented at the 2025 American Physical Society Global Summit, Anaheim, CA, USA, 2025.
- Romero, C., Estrada, L., Vitale, L., Messinger, D. S., & Perry, L. K. (2025, April). *Exploring the effects of peer and teacher interactions on vocalizations in preschool children with autism* [Poster presentation]. 2025 International Society for Autism Research (INSAR) Annual Meeting, Seattle, WA, United States.

- Malik, A., Leung, T., Zhang, S., Zeng, G., Maylott, S. E., Bainter, S. A., Messinger, D. M., Paukner, A., & Simpson, E. A. (2025, May). *Does newborn visual attention to social and nonsocial stimuli predict later visual attention?*. Poster accepted for presentation at the Society for Research on Child Development Biennial Meeting, Minneapolis, Minnesota, USA.
- Zhang, S., Malik, A., Leung, T. S., Maylott, S. E., Zeng, G., Grisham L. M., Messinger, D. S., Rankin, L., & Simpson, E. A. (2025, May). *Caregivers' babywearing experiences: A longitudinal pilot study in typical and clinical samples of infants*. Poster accepted for presentation at the Society for Research on Child Development Biennial Meeting, Minneapolis, Minnesota, USA.
- Leland, E., Sun, A., Londono, J., Gutierrez, G., Shearer, R., Messinger, D.S., & Perry, L.K. (May, 2025) "*I heard he wants a happy face*"; *Understanding Emotion Words in Linguistically Diverse Preschool Classrooms*. In E. Leland (chair) "*Tell me how you feel*": *Children's Emotion Vocabulary and Caregivers Scaffolding of Social Emotional Skills*. Symposium to be presented at Society for Research in Child Development Biennial Meeting, Minneapolis, MN.
- Drye, M., Banarjee, C., Perry, L., Viggiano, A., Irvin, D., Messinger, D. (2025, May). *Children's social preference for teachers versus peers in autism inclusion classrooms: An objective perspective*. In M. Drye (chair), *Tracking social dynamics: Objective measurement of movement and interaction in children with and without ASD*. Society for Research on Child Development Biennial Meeting, Minneapolis, MN, USA.
- Messinger, D. (2024). Does Interaction Drive Development? Lessons from infant emotion, autism, and preschool language. Invited Presentation. Developing Minds Global Online Lecture Series.
- Messinger, D. (2024). Interaction and development: From infant emotion to childhood autism. Invited Presentation. Barry and Judy Silverman College of Pharmacy, Nova Southeastern University.
- Messinger, D. (2024). Interaction drives development: From infant emotion to childhood autism. Invited Keynote Address, XXXVI Congresso Nazionale AIP Sezione Psicologia dello Sviluppo e dell'Educazione. Cagliari, Italy.
- Messinger, D. (October 1 & 2, 2024). Early interactive behavior: New insights from expert and automatic approaches. Invited Lectures. Università di Cagliari, Italy.
- Messinger, D. S. (2024). An objective view of autism in situ: From the clinic to the classroom. Grand Rounds: Marcus Autism & BMH Center.
- Messinger, D. (February 7 & 9, 2024). Early interactive behavior: New insights from expert and automatic approaches. Invited Lectures. Department of Brain and Behavioral Sciences, Università degli Studi di Pavia, Pavia, Italy.
- Abney, D.H., Sheinkopf, S.J., Mitsven, S.G., Seifer, R., Lester, B.M., Tronick, E.Z., Messinger, D.S. (2024). The dynamics of human infant heart rate variability is dependent on mutual positive engagement with their mother. Biannual Meeting of the International Congress for Infant Studies.
- Juan Londoño, Batya Elbaum, Anchen Sun, Sophia Meibohm, Roberto Lazo, Luis Estrada, Laura Vitale, Lynn K. Perry, Daniel S. Messinger. (2024). Automated measurement of child MLU in a preschool classroom predicts assessed language ability. ICIS Machine Learning Preconference Workshop, Glasgow, Scotland.

- Lee, J., Perry, K., Lee, K.D., Chica, I., Meibohm, S., Santos, HP Jr., Messinger, D. (2024). Objective Measurement of Language in Preschool and at Home. Poster presented at the International Congress of Infant Studies (ICIS). XXIV ICIS 2024 Convergence, Glasgow, Scotland.
- Moffitt, J., Alessandri, M., Perry, L.K., & Messinger, D.S. (July, 2024) *Strange Situation Vocal Characteristics as a Predictor of Attachment Classification for Toddlers at Elevated Likelihood of Autism*. Talk presented at the 24<sup>th</sup> biennial International Congress on Infant Studies, Glasgow, Scotland.
- Londoño, J., Elbaum, B., Sun, A., Fusaroli, R., Meibohm, S.A., Lazo, R., Estrada, L., Vitale, L., Perry, L.K., & Messinger, D.S. (July, 2024) *Adult-child Linguistic Interaction in Preschool Settings: An Initial View from Reliable Automated Speech Transcription*. In D. Messinger, (chair) *Computational Approaches to Early Language Development*. Symposium to be presented at the 24<sup>th</sup> biennial International Congress on Infant Studies, Glasgow, Scotland.
- Perry, L.K., Messinger, D.S., & Cejas, I., (July, 2024) *Infant Vocabulary Composition Following Cochlear Implantation Predicts Long-term Language Outcomes*. Talk to be presented at the 24<sup>th</sup> biennial International Congress on Infant Studies, Glasgow, Scotland.
- Messinger, D., Sun, A., Londoño, J., & Perry, L. (2024). Language development in vivo: Computation for comprehending preschool classroom interaction. Invited symposium presentation. IEEE International Conference on Development and Learning (ICDL).
- Sun A, Londono JJ, Elbaum B, Estrada L, Lazo RJ, Vitale L, Villasanti HG, Fusaroli R, Perry LK, Messinger DS (2024). Who Said What? An Automated Approach to Analyzing Speech in Preschool Classrooms. Oral presentation. IEEE International Conference on Development and Learning (ICDL).
- Perry, L.K., Sarker, D., Rao, S., Song, C., & Messinger, D.S. (July, 2024) *Dyadic variance predominates in infants' vocalizations*. Poster to be presented at the 24<sup>th</sup> biennial International Congress on Infant Studies, Glasgow, Scotland.
- Leland, E., Sun, A., Page, K., Messinger, D.S., Perry, L. K., (July, 2024) *Understanding Emotion Language in Linguistically Diverse Inclusion Classrooms*. Flash talk presented at Conference of the International Society for Research on Emotion (ISRE). Belfast, Ireland
- Perry, L., Cejas, I., Messinger, D. (2024). Infant vocabulary composition following cochlear implantation predicts long-term language outcomes. Oral Presentation. International Congress of Infant Studies. Glasgow, Scotland.
- Perry, L., Messinger, D. (2024). Dyadic variance predominates in infants' vocalizations. Poster presentation. International Congress of Infant Studies. Glasgow, Scotland.
- Messinger, D. (2024). Symposium organizer and discussant. Computational Approaches to Early Language Development. International Congress of Infant Studies. Glasgow, Scotland.
- Messinger, D., Sun, A., Londoño, J., & Perry, L.K. (2024). Language development in vivo: Computation for comprehending preschool classroom interaction. Invited symposium, Language Development in Humans and Machines. IEEE International Conference on Development and Learning (ICDL).
- Messinger, D. (2024). Computational approaches to interactive behavior in preschool. Invited course presentation. Computer Science (CSC198, University of Miami), "Data Science for Non-Scientists."

- Viggiano, A., Drye, M., Huang, E., Mojica Vazquez, L., Echevarrieta-Catalan, N., Vitale, L., Messinger, D., Perry, L., Aguiar-Pulido, V. (2024, May). Objective Measurement of Speech Features to Distinguish Children with ASD in Naturalistic Learning Environments. Poster presented at the International Society for Autism Research Annual Meeting, Melbourne, Australia.
- Drye, M., Viggiano, A., Vitale, L., Messinger, D., Perry, L. (2024, May). Sources of reduced vocalization during classroom social contact in preschoolers with ASD. Poster presented at the International Society for Autism Research Annual Meeting, Melbourne, Australia.
- Cejas, I., Perry, L.K., Messinger, D.S., & CDaCI Investigative team (July, 2024) Early Shape Based Noun Knowledge Predicts Vocabulary & Language Development in Children using CIs. Podium to be presented at the 17th International Conference on Cochlear Implants and Other Implantable Technologies, Vancouver, Canada.
- Perry, L.K., Messinger, D.S., Cejas, I., (March, 2024) Shape-based noun vocabulary counteracts initial language delays in children who use cochlear implants, poster to be presented at the 13th biennial meeting of the Cognitive Development Society, Pasadena, CA.
- Lee, J. Perry, K. Lee KD., Santos, HP Jr., Chica, I., Messinger, D. (2024, April; Placed 1st in the Social and Behavioral Category). Objective Measure of Language in the Preschool Classroom and at Home [Poster Presentation]. Statewide Graduate Research Poster Symposium. Conference of Florida Graduate Schools (FCGS) 2024. Pensacola, FL, United States.
- Lee, J. Perry, K., Santos, HP Jr., Lee, KD., Chica, I., Messinger, D. (2024, February; Runner-Up Prize). Language in the Preschool Classroom and at Home [Abstract]. University of Miami Eighth Annual Graduate and Postdoctoral Research Symposium, Miami, FL, United States.
- Messinger, D. S. (2023). Computational Approaches to Measuring and Modeling Children's Social Interaction and Development. Keynote address, Computational Approaches to Measuring and Modeling Children's Social Interaction and Development. Workshop in the 25th ACM International Conference on Multimodal Interaction.
- Leland, E., Londoño, J., Estrada, L., Romero, C., Fasano, R., Elbaum, B., Messinger, D, S., Perry, L, K., (Oct, 2023) How language background match and dis/ability status influence social networks in linguistically diverse inclusive preschool classrooms. Florida Psycholinguistics Meeting. Gainesville, FL.
- Londoño, J., Elbaum, B., Sun, A., Meibohm, S., Lazo, R., Estrada, L., Vitale, L., Messinger, D, S., Perry, L, K. (2023, October 21). Busy Preschool Classrooms: A Test Case for Assessing Reliability of Automated Speech Transcription. Florida Psycholinguistics Meeting, Gainesville, FL.
- Messinger, D. S. (2023). Baby sibs research from a developmental perspective. International Conference on Infant Studies. ICIS: Baby Sibs Research Webinar.
- Salvadori, E. A., Cobo-Lewis, A. B., Colonnese, C., Messinger, D. S. (2023). Infant Multimodal Coordination of Gaze and Smile with Familiar and Unfamiliar Partners in Real Time. Speaker at the session: Sensory Issues in Early Mother Infant Interactions, WAIMH (World Association for Infant Mental Health), Dublin.
- Colonnese, C., Nikolic M., Daniel S. Messinger, Salvadori, E. A. (2023). Early Parent-Infant Emotional

Synchrony as Predictor of Infants' Expressions of Shyness. Speaker at the Symposium: "Beyond Maternal Sensitivity: Shedding Light on Different Facets of Parent-Child Interaction Quality", WAIMH (World Association for Infant Mental Health), Dublin, July 18th.

Salvadori, E. A., Colonnese, C., Oort, F. J., Messinger, D. S. (2023). Predicting Pointing Gestures from Infant Emotional Communication with Mothers, Fathers, Strangers, and Temperament. Speaker at the Symposium: "Born to Be Wired: The Relevance of the Early Social Interactions for Infant Mental Health", WAIMH (World Association for Infant Mental Health), Dublin, July 17th.

Ahn, Y. A., Ertugrul, I.O., Chow, S., Cohn, J.F, Messinger, D.S. (2023). Infant and Mother Duchenne Facial Expressions in the Face-to-Face/Still-Face. Symposium paper presented at the World Association for Infant Mental Health. Dublin, Ireland.

Messinger, D. (2023). Computational approaches to understanding interaction in preschoolers with or without developmental disorders such as autism spectrum disorder. Invited virtual presentation to Shuo Wang Lab Group, Washington University School of Medicine in St. Louis.

Ahn, Y. A., Ertugrul, I.O., Chow, S., Cohn, J.F, Messinger, D.S. (2023). Automated Measurement of Infant and Mother Duchenne Facial Expressions in the Face-to-Face/Still-Face. Symposium paper presented at the 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.

Messinger, D. & Elbaum, B. (2023). Technology, Data, and Development in Preschool Classrooms. Preconference organized at 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.

Perry, L.K., Vershov, N.P., Custode, S.A., Elbaum, B., & Messinger, D.S. (March, 2023) How Activity Contexts Set the Stage for Social Learning in Inclusive Preschool Classrooms. In E. Perkovich (chair) The Role of Early Social Scaffolding in Atypical Development. Symposium presented at the 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.

Perry, L.K., Song, C., & Messinger, D.S. (March, 2023) Preschool Speech to Peers is a Paired Process: Dyadic Variance Predominates in Children's Classroom Vocalizations. Poster presented at the 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.

Cepero, C.E., Leland, E., Fasano, R.M., Messinger, D.S., & Perry, L.K. (March, 2023) Language Abilities and Conversational Turn-Taking with Teachers Among Preschoolers with and without Autism Spectrum Disorder. Poster presented at the 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.

Miskiel, L.W., Perry, L., & Messinger, D. "Peer Interaction/Language in Inclusive Auditory-Oral Classrooms." presented at the 2023 AG Bell Global Listening and Spoken Language Virtual Symposium, June 28-29 (Date TBD).

Miskiel, L.W., Perry, L., & Messinger, D. "Reciprocal Peer Interaction and Language Development in Inclusive Auditory-Oral Classrooms." presented at the FLASHA 2023 Annual Convention, Orlando, FL, July 14, 2023.

Yudong Tao, Mei-Ling Shyu, Chaoming Song, Perry Lynn, & Daniel Messinger. (March, 2023) Predicting Preschooler Speech in Inclusion Classrooms Using Deep Learning. Poster presented at the Society for Research in Child Development meeting, Salt Lake City, UT.

- Fasano, R.M., Vitale, L., Messinger, D.S., & Perry, L.K. (March, 2023) Objective Measurement of Sex Differences and Developmental Delays and Disabilities in Preschool Classroom Social Networks. In T. Foster (chair) Using Sensing Technologies to Understand Children's Experiences in Early Childhood Education Classrooms.
- Zhang, Y., Sarker, D., Mitsven, S. G., Messinger, D. S., Perry, L. K. & Song, C. (March, 2023). The physics of social interaction in preschool classrooms. Individual poster presented at the Society for Research in Child Development meeting, Salt Lake City, UT
- Perry, L.K., Vershov, N.P., Custode, S.A., Elbaum, B., & Messinger, D.S. (March, 2023) How Activity Contexts Set the Stage for Social Learning in Inclusive Preschool Classrooms. In E. Perkovich (chair) The Role of Early Social Scaffolding in Atypical Development. Symposium presented at the 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.
- Custode, S.A., Messinger, D.S., & Perry, L.K. (March, 2023) The Role of Activity Contexts in Influencing Language Experiences in Inclusive Preschool Classrooms. Flash talk presented at the 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.
- Cepero, C.E., Leland, E., Fasano, R.M., Messinger, D.S., & Perry, L.K. (March, 2023) Language Abilities and Conversational Turn-Taking with Teachers Among Preschoolers with and without Autism Spectrum Disorder. Poster presented at the 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.
- Perry, L.K. & Messinger, D.S. (March, 2023) Preschool Speech to Peers is a Paired Process: Dyadic Variance Predominates in Children's Classroom Vocalizations. Poster presented at the 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.
- Elbaum, B., Perry, L.K., Fernandez, E., Tao, Y., Fasano, R.M., Vitale, L., & Messinger, D.M. (March, 2023) Child-Teacher Conversations In Inclusive Preschool Classrooms. Poster presented at the 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.
- Tao, Y. Shyu, M.L., Song, C., Perry, L.K., & Messinger, D.S. (March, 2023) Predicting Preschooler Speech in Inclusion Classrooms Using Deep Learning. Poster presented at the 40th biennial meeting of the Society for Research in Child Development. Salt Lake City, UT.
- Mitsven, S. G., Perry, L. K., & Messinger, D. S. (March, 2023). The contribution of teacher and peer input to preschool children's language production in inclusive classrooms. Flash talk presented at the Society for Research in Child Development meeting, Salt Lake City, UT.
- Zaharieva, M. S., Salvadori, E. A., Messinger, D.S., Visser, I., & Colonnese, C. (2023). Automated Measurement of Affective Facial Expressions in 4- and 8-Month-Olds: Reliability with Manual Coding. Oral presentation presented at the paper symposium session "Objective (Automated) Measurement of Infant and Child Behavior: Reliability, Validity, and Discovery", SRCD (Biennial Meeting of the Society for Research in Child Development), Salt Lake City, March 23rd.
- Ahn, Y. A., Ertugrul, I. O., Chow, S., Cohn, J. F., & Messinger, D. S. (2022) Infant and Mother Duchenne Facial Expressions in the Face-to-Face/Still-Face. Submitted symposium presentation. World Association of Infant Mental Health, Dublin, Ireland.

- Messinger, D. S. (2022). Computational approaches to understanding early typical and atypical experience. Invited address. Università di Trento, Rovereto TN (Italy).
- Data Drive Development: Computation in Search of Compassion. Università di Pavia (Virtual).
- Mitsven, S. G., Perry, L. K., Jerry, C. M., & Messinger, D. S. (July, 2022). Classroom language during COVID-19: The impact of face-masks on objectively measured teacher and infant vocalizations. Poster presented at the International Congress of Infant Studies meeting, Ottawa, Canada.
- Fasano, R. M., Vitale, L., Messinger, D. S., & Perry, L. K. (2022, July). Objective Measurement of ASD Sex Differences in Infants: Classroom Social Networks. Poster presented at the 23rd biennial International Congress of Infant Studies (ICIS), Ottawa, Canada.
- Colonnesi, C., Salvadori, E. A., Messinger, D. S., Oort, F. J. (2022). How early Experience and Expression of Shyness influence Infant Pointing. Speaker at the symposium: “Emergence, Origins, and Communicative Significance of Deictic Gestures in the First Year of Life”, ICIS (Biennial International Congress of Infant Studies), Ottawa, July 10th.
- Zaharieva, M., Salvadori E. A., Messinger D. S., Zimmerman, P., Theuws, H., Visser I., Colonnesi, C. (2022). Validating Baby FaceReader for Automatic Facial Expression Analysis of Face-to-Face Interactions in 4- and 8-month-old Infants. Flash-talk Speaker at the Session: “Social Interactions II”, ICIS (Biennial International Congress of Infant Studies), Ottawa, July 8th.
- Zaharieva, M. S., Salvadori, E. A., Messinger, D.S. Colonnesi, C., & Visser., I. (2022). Validating Automatic Facial Expression Analyses and Eye-Tracking Measures for Young Infants with Facial Expressions and Attention in the Face-to-Face/Still-Face. Poster presented at the Thematic Poster Presentation “New Directions in Face-to-Face Communication”, ICIS (Biennial International Congress of Infant Studies), Ottawa, July 10th.
- Salvadori, E. A., Colonnesi, C., Elsammak, L., Oort, F.J., Messinger, D.S. (2022). Beyond the Familial: The Development of Infant Emotional Communication with Mothers, Fathers, and Strangers. Poster presented at the Thematic Poster Presentation “New Directions in Face-to-Face Communication”, ICIS (Biennial International Congress of Infant Studies), Ottawa, July 10th.
- Salvadori, E. A., Colonnesi, C., Oort, F.J., Elsammak, L., Messinger, D.S. (2022). Points with Smiles from Infancy to Toddlerhood: Synchrony of Emotional and Referential Communication. Flash-talk Speaker at the VNOP (Dutch Developmental Psychology Association) Conference, Utrecht, May 25th.
- Messinger, D. S. (2022). Objective measurement of naturalistic communication in children with communication disorders. Departmental Research Seminar. Department of Otolaryngology-Head and Neck Surgery.
- Messinger, D. S. (2022). Symposium Panelist. The Post-Pandemic Smart City: Automation, Decentralization, Virtualization. Smart City Miami Conference 2022.
- Messinger, D. S. (2022). Symposium Panelist. The Post-Pandemic Smart City: Automation, Decentralization, Virtualization. Smart City Miami Conference 2022.
- Fasano, R. M., Vitale, L., Messinger, D. S., & Perry, L. K. (2022, June). Influences of Autism Spectrum Disorder and Sex in the Formation of Children’s Preschool Language Networks. Poster presented at the 42nd annual Symposium on Research in Child Language Disorders, Madison, WI.

- Perry, L.K., Custode, S.A., Vershov, N.P., Elbaum, B., & Messinger, D.S. (July, 2022) Associations between Preschool Activity Contexts and Infants' Language Abilities. In L. Sun (chair) The impact of learning context on early language learning and teaching. Symposium presented at the 23rd biennial International Congress on Infant Studies. Ottawa, Canada.
- Banarjee, C., Tao, Y., Fasano, R.F., Song, C., Vitale, L., Wang, J., Shyu, M.L., Perry, L.K., Messinger, D.S. (July, 2022). Modeling objective measurements of homophilic movement patterns in a naturalistic environment. Poster accepted to the International Congress of Infant Studies, Ottawa, Canada.
- Fasano, R. M., Mitsven, S. G., Custode, S., Messinger, D. S., & Perry, L. K. (2022, May). Associations between Language Use and Classroom Engagement in Inclusive Classrooms for Preschoolers with and without ASD. Poster presented at the 21st annual International Society for Autism Research (INSAR), Austin, TX.
- Banarjee, C., Fasano, R.F., Tao, Y., Song, C., Wang, J., Vitale, L., Shyu, M.L., Perry, L.K., Messinger, D.S. (May, 2022). Objective Measures to Quantify Homophily in the Inclusion Classroom. Poster presented at the International Society for Autism Research, Austin, Texas.
- Daniel Messinger, Lynn Perry, Chaoming Song, Udo Rudolph, Mei-Ling Shyu, Samantha Mitsven, Regina Fasano, Yudong Tao (2022). Using Sensing Technologies in the Classroom to Better Understand Children's Experiences and Development. Conference on Research Innovations in Early Intervention. San Diego, CA.
- Messinger, D. & Perry, L (2022). Language Development and Social Interactions for Young Children with Disabilities in the Era of Mask. Promoting Early Childhood Development in the Era of COVID: Practice, Policy, and Future Opportunities. Mailman Center for Child Development.
- Messinger, D. (2022). Interactive Behavior in Schools (IBIS). IES Principal Investigators Meeting. Virtual.
- Messinger, D. (2021). Objective Measurement of Classroom Interactions To Support Children With Communication Disorders. Dean's Interdisciplinary Seminar Series (DIRSS). Miller School of Medicine. University of Miami.
- Moffitt, J.M., Tao, Y., Ahn, Y.A., Custode, S., Perry, L.K., Shyu, M.L., Messinger, D.S. (2021). "Associations between objectively measured social movements during the ADOS-2 and autism symptoms in preschool age children with suspected ASD." Paper presented at the 2021 Communication and Language Acquisition Studies in Typical and Atypical Populations (CLASTA) Conference.
- Wang, R., Ahn, Y. A., Messinger, D., & Nwogu, I. (2021). Towards the synthesis of parent-infant facial interactions. In the 16th IEEE International Conference on Automatic Face and Gesture Recognition.
- Messinger, D.S. (2021, May). Symposium Discussant ("Say what?"). Vocal Development in Infants and Children with ASD and at Risk for ASD. The International Society for Autism Research (INSAR, Virtual).
- Messinger, D.S. (2021, March). Modern measurement of children with ASD: Lessons from the clinic and the classroom. Issues in Autism Conference, UM-NSU CARD.
- Ahn, Y. A., Moffitt, J., Custode, S., Beaumont, A., Cardona, S., Parlade, M., Durocher, J., Hale, M., Alessandri, M., Perry, L., & Messinger, D. (2021, May). Associations between objectively measured facial expressions during the ADOS-2 and the calibrated severity scores in 3-year-olds

with suspected ASD [Poster presentation]. The International Society for Autism Research (INSAR) 2021 Annual Meeting. (Virtual Conference).

- Fasano, R. M., Perry, L. K., Custode, S., Adams, A., Vitale, L., Bulotsky-Shearer, R., & Messinger, D. S. (2021, May). Social language use and behavioral and social engagement in inclusive classrooms for preschoolers with and without ASD. Poster presented virtually at the 20th annual International Society for Autism Research (INSAR).
- Banarjee, C., Tao, Y., Fasano, R., Vitale, L., Song, C., Shyu, M.L., Perry, L.K., Messinger, D.S. (2021). Quantifying Social Approach in Preschoolers with ASD in Inclusion Classrooms. Poster accepted to the Meeting of the International Society for Autism Research (INSAR).
- Moffitt, J.M., Tao, Y., Ahn, Y.A., Custode, S., Beaumont, A., Cardona, S., Parlade, M., Durocher, J., Hale, M.N., Alessandri, M., Perry, L.K., Shyu, M.L., Messinger, D.S. (2021). Associations between objectively measured social movements during the ADOS-2 and autism symptoms in preschool age children with suspected ASD. Poster accepted to the 2021 Meeting of the International Society for Autism Research (INSAR).
- Ahn, Y. A., Onal Ertugrul, I., Chow, S., Cohn, J. F., & Messinger, D. (2021, April). Is mother-infant face-to-face responsivity affective? [presentation]. The 2021 Society for Affective Science Meeting. (Virtual Conference)
- Ahn, Y. A., Moffitt, J., Custode, S., Beaumont, A., Cardona, S., Parlade, M., Durocher, J., Hale, M., Alessandri, M., Perry, L., & Messinger, D. (2021, April). Objective measurement of social communication behaviors in 3-year-olds with suspected ASD during the Autism Diagnostic Observation Schedule-2 [Flash Talk]. The 2021 SRCD Biennial Meeting. (Virtual Conference)
- Ahn, Y. A., Martin, K., Prince, E., Chow, S., Cohn, J., Wang, J., Simpson, E., & Messinger, D. (2021, April). Not-so-still interaction: Parent-infant interaction during the still-face and later infant attachment [Flash Talk]. The 2021 SRCD Biennial Meeting. (Virtual Conference)
- Salvadori, E. A., Colonesi, C., Oort, F.J., Messinger, D.S. (2021). Beyond the Familiar: The Development of Infant Emotional Communication with Mothers, Fathers, and Strangers. Flash talk Speaker at SRCD (Society Research Child Development), online conference, April 7-9.
- Fasano, R. M., Perry, L. K., Zhang, Y., Vitale, L., Song, C., & Messinger, D. S. (2021, April). Automated measurement of social networks and language development in inclusive preschool classrooms. In L. Fibla (chair). The ins and outs of language development: Integrating multiple measures from inside and outside the laboratory. Symposium presented at the virtual 39th biennial meeting on the Society for Research on Child Development.
- Ahn, Y. A., Moffitt, J., Custode, S., Beaumont, A., Cardona, S., Parlade, M., Durocher, J., Hale, M., Alessandri, M., Perry, L., & Messinger, D. (2021, April). Objective measurement of social communication behaviors in 3-year-olds with suspected ASD during the Autism Diagnostic Observation Schedule-2 [Flash Talk]. The 2021 SRCD Biennial Meeting. (Virtual Conference) Messinger, D., Perry, L., Song, C., Tao, Y., Mitsven, S., Fasano, R., Banarjee, C., Zhang, Y., & Shyu, ML. 2020. Data Drive Development-Multimodal Measurement of Classroom Interaction. In 2020 International Conference on Multimodal Interaction (ICMI '20 Companion), October 25-29, 2020, Virtual Event, Netherlands. ACM, New York, NY, USA, pp. XX-XX. <https://doi.org/10.1145/3395035.3425355>

- Ahn, Y. A., Moffitt, J., Tao, Y., Custode, S., Shyu, M., Perry, L., Messinger, D. (2020). Objective Measurement of Social Communication Behaviors in Children with Suspected ASD During the ADOS-2. In 2020 International Conference on Multimodal Interaction (ICMI '20 Workshop), October 25-29, 2020, Virtual Event, Netherlands. ACM, <https://doi.org/10.1145/3395035.3425356>
- Messinger, D. Interactive Behavior in Schools. University of Leiden, Invited address. The Netherlands.
- Ahn, Y. A., Bak, T., Onal Ertugrul, I., Banarjee, C., Davila, P., Chow, S., Cohn, J. F., & Messinger, D. (2020, July). Concordant still-face findings for computer vision and expert FACS coders [Poster presentation]. The 2020 Biennial International Congress of Infant Studies (ICIS), Glasgow, UK. (Virtual Conference)
- Banarjee, C., Fasano, R., Vitale, L., Tao, Y., Song, C., Perry, L.K., Ren, G., & Messinger, D. (April 2020) Characterizing Social Approach to Peers in Autism using Big Behavioral Data. Talk presented at the Institute for Data Science & Computing (IDSC) Fellows Capstone Presentation.
- Custode, S., Bailey, J., Sun, L., Katz, L., Messinger, D., Shearer, R., & Perry, L.K. (July, 2020). Peer Interactions as Opportunities for Language Development in an Early Intervention Preschool Classroom. Poster presented at the 22nd biennial International Congress of Infant Studies, Glasgow, UK.
- Fasano, R. M., Perry, L. K., Zhang, Y., Vitale, L., Song, C., & Messinger, D.M. (May, 2020). Classroom language and social development of preschoolers with ASD. Poster presented at the International Society for Autism Research (INSAR), Seattle, WA.
- Banarjee, C., Fasano, R., Tao, Y., Vitale, L., Song, C., Perry, L. K., Messinger, D. (2020) Do the Locomotion: Movement and Social Approach in Infants with Autism Spectrum Disorder. Poster presented at International Society for Autism Research, Seattle, Washington.
- Perry, L.K., Fasano, R.M., Custode, S., Mitsven, S.G., Adams, A., Vitale, L., & Messinger, D.S. (May, 2020). Peer language input and social interaction in monolingual and bilingual preschoolers with ASD. Poster presented at the International Society for Autism Research (INSAR), Seattle, WA
- Banarjee, C., Fasano, R., Tao, Y., Vitale, L., Song, C., Perry, L. K., Messinger, D. (2020) Social Movement in Children in an Inclusive Preschool Setting. Poster presented at Dr. Henry Gelband Pediatric Research Symposium, Miami, Florida.
- Mitsven, S. G., Perry, L. K., Tao, Y., Johnson, N. & Messinger, D. S. (July, 2020). The phonemically rich get richer: Early classroom language experiences build language abilities. Poster presented at the International Congress of Infant Studies meeting, Glasgow, Scotland.
- Ahn, Y. A., Martin, K., Prince, E. B., Chow, S., Cohn, J. F., Wang, J., & Messinger, D. S. (July, 2020). Parent-infant interaction during the still face and later attachment security. Poster presented at the International Congress of Infant Studies (ICIS) Biennial Congress, Glasgow, Scotland.
- Ahn, Y. A., Bak, T., Onal Ertugrul, I., Banarjee, C., Davila, P., Chow, S., Cohn, J. F., & Messinger, D. S. (2020, July). Concordant still-face findings for computer vision and expert FACS coders. Poster presented at the International Congress of Infant Studies (ICIS) Biennial Congress, Glasgow, Scotland.
- Custode, S., Bailey, J., Sun, L., Katz, L., Messinger, D., Shearer, R., & Perry, L.K. (July, 2020). Peer Interactions as Opportunities for Language Development in an Early Intervention Preschool Classroom. Poster presented at the International Congress of Infant Studies (ICIS), Glasgow, Scotland.

- Custode, S., Mitsven, S.G., Perry, L.K., Fasano, R., Zeng, G., Futterer, J., & Messinger, D.M. (July, 2020) Bursting into Tears: Exploring the Temporal Structure of Infants' Cry and Speech-like Vocalizations. Poster presented at the International Congress of Infant Studies (ICIS), Glasgow, Scotland.
- Fasano, R. M., Perry, L. K., Custode, S. A., Adams, A., Vitale, L., Bulotsky-Shearer, R., & Messinger, D. S. (2020, July). Interactions between language abilities and classroom behavioral and social engagement in infants with and without autism. Poster presented at the International Congress of Infant Studies (ICIS), Glasgow, Scotland.
- Zeng, G., Maylott, S. E., Wang, J., Messinger, D. S., & Simpson, E. A. (2020, July). Gaze aversion, pupil dilation, and temperamental fear in early infancy. Poster presented at the International Conference on Infant Studies, Glasgow, Scotland.
- Moffitt, J.M., Seel, S., Paez, S.A., Zeedyk, S.M., Erath, S.A., Messinger, D.S., Fenning, R.M., & Baker, J.K. (2020). Emotion socialization and psychophysiological arousal patterns in children with ASD. Paper presented at the Convention of the American Psychological Association, Washington D.C.
- Perry, L. K., Custode, S., Fasano, R., Mitsven, S., Vitale, L., Elbaum, B. & Messinger, D. S. (2020, January). Closing the gaps for bilingual English Learners with disabilities. Poster presented at the Annual Principal Investigators Meeting of the Institute of Education Sciences, Washington, D.C.
- Banarjee, C., Fasano, R., Vitale, L., Tao, Y., Song, C., Perry, L.K., Messinger, D. Turn, turn, turn: Objectively Characterizing Movement in Autism Using Big Data. (2019). Poster presented at Big Data + VizUM. University of Miami. 2nd Prize
- Messinger D. S. (2019, November). Data Drive Development—Objective Phenotyping of Autism Spectrum Disorder. Keynote presented at the Translational Multimedia Data Mining (TMDM) workshop at the IEEE International Conference on Data Mining, Beijing, China.
- Tao, Y., Mitsven, S. G., Perry, L. K., Messinger D. S., Shyu, M. L. (Nov 2019). Audio-Based Group Detection for Classroom Dynamics Analysis. Paper presented at the Translational Multimedia Data Mining (TMDM) workshop at the IEEE International Conference on Data Mining, Beijing, China.
- Sadiq, S., Castellanos, M. A., Moffitt, J. M., Shyu, M. L., Perry, L. K., Messinger, D. S. (Nov 2019). Deep Learning based Multimedia Data Mining for Autism Spectrum Disorder (ASD) Diagnosis. Paper presented at the Translational Multimedia Data Mining (TMDM) workshop at the IEEE International Conference on Data Mining, Beijing, China.
- Fasano, R. M., Perry, L. K., Custode, S., Vitale, L., Adams, A., Song, C., Zhang, Y., & Messinger, D. M. (2019, October). Social networks and language development among preschoolers with and without autism spectrum disorder. Poster presented at Florida Psycholinguistics Conference, Miami, FL.
- Mitsven, S. G., Perry, L. K., Tao, Y., Johnson, N., & Messinger, D. (October, 2019). Automated analysis of classroom vocalizations and associations with language abilities in children with and without hearing loss. Talk presented at the Florida Psycholinguistics meeting, Miami, FL.
- Messinger, D. Next Generation Neurodevelopmental Research in the Clinic and the Classroom. Keynote Address, Fourth Annual Dr. Benjamin Goldberg Developmental Disabilities Research Day. Western University. London, ON, CA.

- Mitsven, S. G., Perry, L. K., Johnson, N., & Messinger, D. S. (July, 2019). Relation between the temporal structure of classroom language use and language abilities in children with and without hearing loss. Poster presented at the CI 2019: 16th Symposium on Cochlear Implants in Children, Hollywood, FL.
- Perry, L.K., Mitsven, S.G., Custode, S.A., & Messinger, D.M. (July, 2019) Peer interaction and language development in an intervention classroom for children with hearing loss. Talk presented at the 16th annual Symposium on Cochlear Implants in Children, Hollywood, FL.
- Fasano, R.M., Perry, L.K., Custode, S.A., Adams, A., Vitale, L., Bulotsky-Shearer, R., & Messinger, D.M. (June, 2019) Associations between language ability and executive control in preschoolers with and without autism spectrum disorder. Poster presented at the 40th annual Symposium on Research in Child Language Disorders, Madison, WI.
- Custode, S.A., Mitsven, S.G., Perry, L.K., Fasano, R., Zeng, G., Futterer, J., & Messinger, D.M. (June, 2019) Bursting into Tears: Differences in the Temporal Structure of Infants' Cry and Speech-like Vocalizations in an Early Intervention Classroom. Talk presented at the 40th annual Symposium on Research in Child Language Disorders, Madison, WI.
- Perry, L.K., Mitsven, S.G., Custode, S.A., & Messinger, D.M. (June, 2019) The role of peer input on language development in an inclusive oral language classroom. Talk presented at the 40th annual Symposium on Research in Child Language Disorders, Madison, WI.
- Baker, J.K., Fenning, R.M., Erath, S.A., Baucom, B., Messinger, D.S., Moffitt, J.M., Kaeppler, A., & Bailey, A. (2019). Respiratory sinus arrhythmia, parenting, and externalizing behavior problems in children with ASD. Poster accepted to the Meeting of the International Society for Autism Research (INSAR), Montreal, CAN.
- Ahn, Y. A., Moffitt, J., Durocher, J., Hale, M., & Messinger, D. (May, 2019). Objectively measured social communicative behaviors during the ADOS-2. Poster presented at the The International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
- Messinger, D. S. (2019). BOLD Talks: Possibilities and implications of sensor data. University of Leiden, The Netherlands.
- Messinger, D. S. (2019). Understanding change: Emotion, communication, and interaction. University of Amsterdam, The Netherlands.
- Messinger, D. S. (2019). Next generation neurodevelopmental research: Autism in the clinic and classroom. University of Amsterdam, The Netherlands.
- Messinger, D. S., Custode, S., Perry, L. K., Mitsven, S. G., Ullery, M., Katz, L. F., Vitale, L., Valtierra, A. M., Prince, E. B., Johnson, N. (2019). Classroom crying: Temporal characteristics at one year. Oral presentation at the biennial meeting of the Society for Research in Child Development. Baltimore, MD.
- Custode, S., Perry, L. K., Mitsven, S., Vitale, L., Valtierra, A., Song, C., & Messinger, D. (2019, March). The Power of Peers: Effects of Peer Interaction on Language Development in Early Intervention Classrooms. Oral session presented at the Society for Research in Child Development 2019 Biennial Meeting. Baltimore, MD.
- Prince, E.B., Messinger, D.M., Tenenbaum, E.J., Sheinkopf, S.J., Tronick, E., Lagasse, L., Seifer, R., & Lester, B.M. (2019). Does parent-infant responsivity during the FFSF predict later attachment outcomes?

- Poster presented at the biennial meeting of the Society for Research in Child Development. Baltimore, MD.
- Altman, R. L., Laursen, B., Messinger, D. S., Perry, L. K., Vitale, L., Mitsven, S., & Custode, S. A. (2019). Introduction to a continuous time measure of peer affiliation: Convergence with traditional metrics of friendship. Poster presented at the Society for Research in Child Development. Baltimore, MD.
- Messinger, D. S. (2019). Next generation disabilities research. Wine, wit, and wisdom. Department of Pediatrics. University of Miami.
- Mitsven, S. G., Perry, L. K., Johnson, N., & Messinger, D. S. (June, 2019). bursty or not to be bursty: Examining the temporal structure of classroom language use and its relation to language abilities in children with and without hearing loss. Poster presented at the Symposium on Research in Child Language Disorders meeting, Madison, WI.
- Mitsven, S. G., Perry, L. K., Vitale, L., Johnson, N., & Messinger, D. (October, 2018). Quantifying the temporal structure of preschoolers' speech-related vocalizations in early intervention classrooms. Talk presented at the Florida Psycholinguistics meeting, Tampa, FL.
- Messinger, D. S. (2018). Early vocal interaction: Emotion, autism, and preschool language. International Workshop on Human Voice and Early Development. Geneva, Switzerland.
- Messinger, D. S. (2018). Workshop: Measurement and analysis of early interaction. International Workshop on Human Voice and Early Development. Geneva, Switzerland.
- Mitsven, S. G., Perry, L. K., Vitale, L., Sun, L. B., Cooper, S. S., Valtierra, A. M., Song, C., Laursen, B., & Messinger, D. S. (2018). What you get is what you give: The effects of peer speech on language outcomes of infants. Talk presented at the International Congress of Infant Studies, Philadelphia, PA.
- Perry, L.K., Prince, E.B., Valtierra, A.M., Rivero-Fernandez, C., Ullery, M.A., Katz, L.F., Laursen, B., & Messinger, D.S. (June, 2018). What big data and automated measures can tell us about language and social development in early intervention classrooms. Flash talk presented at the 21st biennial meeting of the International Congress on Infant Studies, Philadelphia, PA.
- Prince, E.B., Messinger, D.S., Zheng, M., Martin, K.B., Mitsven, S., Huang, S., Stolzel, T., Johnson, N., Rudolph, U., Perry, L., Laursen, B., & Song, C.. Modeling continuous measurement of classroom dynamics and gender effects in early social networks. Poster presented at the International Congress of Infant Studies, July 2018.
- Perry, L.K., Mitsven, S.G., Vitale, L., Sun, L.B., Cooper, S.S., Valtierra, A.M., Song, C., Laursen, B., & Messinger, D.S., (June 2017). The shared space of language and peer interactions. In L.K. Perry (chair) Kids in space: the dynamic coupling between space and language development. Symposium presented at the 48th annual Conference of the Jean Piaget Society, Amsterdam, NL.
- Mitsven, S. G., Custode, S. A., Perry, L. K., Vitale, L., Sun, L. B., Valtierra, A. M., Song, C., Laursen, B., Messinger, D. S. (2018). Classroom dynamics and language development: How peer social interactions affect preschoolers' language outcomes. Poster presented at the Expanding the Field meeting, Norwich, United Kingdom.
- Messinger, D. (2018). Understanding change: Typical and atypical development. Pediatric Grand Rounds, University of Miami.

- Messinger, D.S., Martin, K.B., Cohn, J., & Hammal, Z. (2018). An Early Behavioral Index of ASD from Automated Microanalysis of Movement Dynamics. Paper presented at the Society of Biological Psychiatry Annual Meeting.
- Prince, E.B., Zheng, M., Martin, K.B., Huang, S., Stolzel, T., Johnson, N., Rudolph, U., Song, C., & Messinger, D.S. Modeling continuous measurement of classroom dynamics and gender effects in early social networks. Poster presented to the International Congress of Infant Studies. July 2018.
- Perry, LK, Song, C., Mitsven, S., Custode, S. Laursen, B., Valtierra, A., Katz, L. & Messinger, DS. (2018). A big data perspective on language development in preschool. Cognitive studies network. University of Miami.
- Perry, L.K., Prince, E.B., Valtierra, A.M., Rivero-Fernandez, C., Ullery, M.A., Katz, L.F., Laursen, B., & Messinger, D.S. (June, 2018). What big data and automated measures can tell us about language and social development in early intervention classrooms. Flash talk presented at the 21st biennial meeting of the International Congress on Infant Studies, Philadelphia, PA
- Messinger, D.S. (2018). The development of autism. The University of Memphis. Memphis, TN.
- Messinger, D.S. (2017). Understanding change: Timing in the development of infant emotion, interaction, and autism. Cooper Lecture, University of Miami.
- Messinger, D.S. (2017). Social interaction and development: Dynamic systems reflections. Indiana University. Bloomington, IN.
- Messinger, D.S. (2017). Sensing development. Keynote address, Context Based Affect Recognition (CBAR) workshop. Conference on Affective Computing and Intelligent Interaction (ACII2017), San Antonio, Texas.
- Messinger, D.S. (2017). Puzzle Pieces of Our Community Gala. Invited speaker. Autism Speaks.
- Messinger, D.S. (2017). Assertiveness tips/tricks (e.g., how to say no). Speed Mentoring for Graduate Students. Department of Psychology, University of Miami.
- Messinger, D.S., Sun, L., Cooper, S., & Vitale, L. (August, 2017). Data science in psychology. CCS Data Scholars - Guest Speaker.
- Martin, K.B., Messinger, D.S., Cohn, J., & Hammal, Z. Automated measurement of head movement coordination in infant-parent dyads and later ASD outcomes (May, 2017). Poster presented at the International Meeting for Autism Research, San Francisco, California, USA.
- Martin, K.B., Prince, E.B., Haltigan, J.D., Ekas, N., & Messinger, D.S. (May 2017). Insecure-resistant attachment classification (and behaviors) in infants later diagnosed with autism spectrum disorder. Poster presented at the International Meeting for Autism Research, San Francisco, California, USA.
- Prince, E.B., Ciptadi, A., Rozga, A., Warlaumont, A., Regh, J.M., Messinger, D. (2017, April). Using objective measurements of movement and vocalization data to predict attachment behavior. Poster presented at the Society for Research in Child Development (SRCD) Biennial Meeting.

- Prince, E.B., Perry, L.K., Rivero-Fernandez, C., Ullery, M.A., Katz, L.F., & Messinger, D.S. (2017, April). Classroom dynamics: examining contingent speech and language development in an early intervention program. Poster presented at the Society for Research in Child Development (SRCD) Biennial Meeting.
- Martin, K.B., Haltigan, J.D., Ekas, N., Prince, E., & Messinger, D.S. Attachment security differs by autism spectrum disorder diagnosis: A prospective study (April 2017). Presented at the Society for Research in Child Development, Austin, Texas, USA.
- Martin, K.B., Beebe, B., & Messinger, D.S. More is not always better: Smile contingency patterns and later attachment security (April 2017). Presented at the Society for Research in Child Development, Austin, Texas, USA.
- Mattson, W.I., Simpson, E.A., Martin, K.B., Paukner, A., & Messinger, D.S. Temporal Dependency: Previous looks constrain current looks in non-human primate infants (April 2017). Presented at the Society for Research in Child Development. Austin, Texas, USA.
- Gangi, D.G., Messinger, D.S., Martin, K.B., Lewkowicz, D.J. Developmental differences in the temporal dependency of infants' individual looks (April 2017). Presented at the Society for Research in Child Development, Austin, Texas, USA.
- Page, J., Constantino, J., Zambrana, K., Martin, E., Tunc, I., Zhang, Y., Abbacchi, A., & Messinger, D.S. (April 2017). Quantitative Autistic Trait Measurements Index Background Genetic Risk for ASD in Hispanic Families. Paper Presented at the Society for Research in Child Development Biennial Meeting 2017, Austin, Texas, USA.
- Usher, L.V., Burrows, C., Messinger, D. S., & Henderson, H. A. (2017, May). Adolescent social competence in autism spectrum disorder: Associations with perceptions and metaperceptions of peers. Poster presented at the annual International Meeting for Autism Research, San Francisco, California.
- Messinger, D.S. (2016). Methodological workshop presentations. "L'analisi degli studi longitudinali" and "La teoria dei sistemi dinamici applicata agli studi clinici." Azienda Ospedaliera Brotzu, Cagliari, Italy.
- Messinger, D. S. (May, 2016). Measuring Emotional Process: Objective, Subjective, and Automated Approaches. Invited symposium with K. Perez-Edgar. International Conference on Infant Studies.
- Messinger, D. S. (May, 2016). Discussant. "Novel Approaches to Measurement." South Florida Child Psychology Research Conference:
- Gangi, D. N., Messinger, D. S., Cuccaro, M. L., & Martin, E. R. (May 2016). The role of dopaminergic variants in initiating joint attention in high- and low-risk siblings. Poster presented at the International Meeting for Autism Research, Baltimore, Maryland, USA.
- Martin, K.B., Zambrana, K., Gangi, D., Cuccaro, M., Messinger, D.S. Dopamine and Looking Patterns in the Face-to-Face/Still-face. (May 2016) Poster presented at the International Conference on Infant Studies, New Orleans, LA, USA.
- Chu, W. Z., J., De la Torre, F. Cohn, J. F., Messinger, D. S. (2015). Unsupervised Synchrony Discovery in Human Interaction. Paper presented at the International Conference on Computer Vision, Santiago, Chile.

- Messinger, D.S. (2015). Methodological workshop presentations. “L'analisi degli studi longitudinali” and “La teoria dei sistemi dinamici applicata agli studi clinici.” Azienda Ospedaliera Brotzu, Cagliari, Italy.
- Messinger, D.S. (2015). New findings on Autism Spectrum Disorder: A Developmental Perspective. Università di Cagliari, Italy.
- Messinger, D.S. (2015). Emotions, interaction, and autism: Timing and development. Child Study Center, Pennsylvania State University.
- Messinger, D. S. (2015). High-Risk Siblings: The development of Autism. Community Science: Autism. University of Miami.
- Chow, S., Ou, L., Ciptadi, A., Prince, E., Rehg, J. M., Rozga, A., Messinger, D. S. (2015). Differential equation modeling approaches to representing sudden shifts in intensive dyadic interaction. Presented at the Society for Ambulatory Assessment. State College, PA.
- Prince, E.B., Ciptadi, A., Gangi, D., Martin, K., Rozga, A., Rongfang, J., Rehg, J., and Messinger, D. Automated Measurement of Dyadic Interaction Predicts Expert Ratings of Attachment in the Strange Situation. Poster presented at the Association for Psychological Science Annual Convention, May 2015.
- Gangi, D. N., Messinger, D. S., Ibañez, L. V., Stone, W. L., Cuccaro, M. L., & Martin, E. R. (May 2015). *Associations between behavior problems and dopaminergic variants in high- and low-risk siblings*. Poster presented at the International Meeting for Autism Research, Salt Lake City, Utah, USA.
- Messinger, D., Young, G., Webb, S., Ozonoff, S., Zwaigenbaum, L., Chawarska, K., Landa, R., Dobkins, K., Stone, W., Klin, A., Baron-Cohen, S., Lai, M., Carter, A. (2015). Sex differences do not distinguish high-risk ASD, high-risk no ASD, and low-risk children through three Years: A BSRC study. Poster presented at the International Meeting for Autism Research. Salt Lake City, Utah.
- Chawarska, K., Shic, F., Macari, S., Campell, D.J., Brian, J.A., Landa, R.J., Hutman, T., Nelson, C.A., Ozonoff, S., Tager-Flusberg, H., Young, G.S., Cohen, L., Charman, T., Messinger, D.S., Johnson, S., Zwaigenbaum, L., Klin, A., & Bryson, S.E. (2015). *18-month predictors of later outcomes in younger siblings of children with Autism Spectrum Disorder: A Bsrc study*. International Society for Autism Research. Salt Lake City, UT.
- Iverson, J.M., Shic, F., Wall, C.A., Bensinger-Brody, Y., Curtin, S., Estes, A.M., Gardner, J.M., Hutman, T., Johnson, S., Karmel, B.Z., Landa, R.J., Levin, A.R., Libertus, K., Messinger, D.S., Nelson, C.A., Ozonoff, S., Piven, J., Rogers, S.J., Sacrey, L.A., Sheperd, K., Stone, W.L., Tager-Flusberg, H., Wolff, J.J., Yirmiya, N., & Young, G.S. (2015). *Early gross and fine motor abilities in infants at heightened vs. low risk risk for ASD: A Bsrc study*. International Society for Autism Research. Salt Lake City, UT.
- Burrows, C.A., Mohapatra, L., Usher, L.V., Gangi, D.N., Messinger, D.S., & Henderson, H.A. (2015). *Neural, behavioral, and parent-reported indices of executive attention in younger siblings of children with Autism*. International Society for Autism Research. Salt Lake City, UT.
- Ibañez, L. V., Karp, E. A., Warren, Z., Messinger, D. S., & Stone, W. L. (2015). Parental concerns and their relation to early intervention and social-communicative functioning within the first two years of life. Presented at the International Meeting for Autism Research (IMFAR), Salt Lake City, Utah.

- Abbachi, A., Zhang, Y., Zambrana, K.A., Messiner, D.S., & Constantino, J.N. (2015, May). Intergenerational Patterns of Quantitative Autistic Traits in Hispanic Families. International Society for Autism Research. Salt Lake City, UT.
- McDonald, N.M., Gordon, H., & Messinger, D.S. (2015). A multi-method study of empathic responding in high-risk siblings at preschool age.* International Society for Autism Research. Salt Lake City, UT.
- Messinger, D. S. (2015). The development of autism: Lessons from baby sibs. Invited presentation. Interdisciplinary Seminar Series. Mailman Center for Child Development.
- Messinger, D. S., Mattson, W. I., Todd, J. T., Gangi, D. N., Myers, N. D., & Bahrick, L. E. (May 2015). Temporal dependency: One look predicts the next. Poster submitted to the Association for Psychological Science Annual Convention, New York, New York, USA.
- Hammal, Z., Cohn, J.F., Messinger, D.S. (May 2015). Head Movement Dynamics During Play and Perturbed Mother-Infant Interaction. The 27th Association for Psychological Science (APS) Annual Convention, May 21-24, 2015, New York, USA.
- Martin, K.B., Zambrana, K., Haltigan, J.D., Jia, R., Beebe, B., Messinger, D.S. More is not always better: Gaze patterns and later attachment security. (March 2015) Presented at the Society for Research in Child Development, Philadelphia, Pennsylvania, USA.
- Ekas, N., McDonald, N., Messinger, D., Pruitt, M., & Timmons, L. (2015, March). Predictors of Compliance Among Toddlers At-Risk for Autism Spectrum Disorder. Poster presented at the Society for Research in Child Development, Philadelphia, PA.
- Malek, N., Gao, A., Messinger, D., Tabbane, K., Joobar, Ridha., Martinez-Trujillo, J. (2014). [Comparing the influences of emotion versus identity on face perception during binocular rivalry in human observers.](#) *Journal of Vision*, 14, 1245. doi:10.1167/14.10.1245
- (2014) Gender differences workgroup report. Baby Siblings Research Consortium Meeting. New York, NY.
- Messinger, D. (2014). What are the early developmental trajectories of boys and girls? When do we see the differences? Invited paper. Sex and Gender Differences in Autism Spectrum Disorders. New York, NY.
- Messinger, D. Imaging Behavior: The Promise of Big (Observational) Data. Peking University Summer School.
- Rao, H., Kim, J., Clements, M., Rozga, A., & Messinger, D. (2014) *Detection of Children's Paralinguistic Events in Interaction with Caregivers.* Accepted at Interspeech, Singapore.
- Zaker, N., Mahoor, M.H., Messinger, D.S., Cohn, J.F. (2014). Jointly Detecting Infants Multiple Facial Action Units Expressed During Spontaneous Face-to-Face Communication. Paper presented at the International Conference on Imaging Processing. La Defense, Paris, France.
- Martin, K., McDonald, N., Lambert-Brown, B., & Messinger, D. (2014). Infants' responsiveness to parent smiles predicts later parent interactive play quality. Poster presented at the International Conference on Infant Studies, Berlin, Germany

- Gangi, D. N., Messinger, D. S., Mattson, W. I., Todd, J. T., Myers, N. D., & Bahrnick, L. E. (July 2014). *Temporal dependency in the context of infant habituation*. Poster presented at International Conference on Infant Studies, Berlin, Germany.
- McDonald, N., Lambert-Brown, B., Mattson, W., & Messinger, D. (2014). Infant emotional responsiveness and autism risk. Poster presented at the International Meeting for Autism Research, Atlanta, GA.
- Ekas, N., McDonald, N., & Messinger, M. (2014). It's time to clean up! Symptom severity impacts compliance behaviors in children at-risk for autism. Poster presented at the International Meeting for Autism Research, Atlanta, GA
- Harker, C. M., Nguyen, T. P., Ibanez, L. V., Nanda, S., Karp, E., Messinger, D. S., & Stone, W. (2014, May). The relation between infant social engagement and maternal behavior in infants at high-risk for autism spectrum disorder. Poster presented at the meeting of the International Meeting for Autism Research, Atlanta, GA.
- Ibanez, L.V., Edmunds, S.R., Gangi, D., Nguyen, T.P., Warren, Z.E., Messinger, D.S., & Stone, W.L. (2014). The integration of vocalizations and smiles within joint attention acts in infants at risk for autism spectrum disorder. Paper presented at the International Meeting for Autism Research, Atlanta, Georgia.
- G. Esposito, Rostagno M.del C., P. Venuti, J.D. Haltigan, D.M. Messinger, (2014). Analysis of crying during the separation phase of the strange situation procedure in infant siblings at High-Risk for ASD. 6th International Meeting for Autism Research, 14-17 May 2014, Atlanta, USA.
- S., Mattson, W. I., Todd, J. T., Myers, N. D., Gangi, D. N., & Bahrnick, L. E. (November 2013). Temporal dependency and the structure of early infant looking. Poster presented at the Learning to Attend, Attending to Learn Workshop, La Jolla, California, USA.
- Messinger, D. S. (2013). Early social development & autism: A dynamic systems perspective. Invited symposium presentation, Society for the Study of Human Development. Fort Lauderdale, FL.
- Messinger, D. S. (2013). Emotion, Interaction, and Autism: Measurement and Modeling. Invited talk. First International Symposium on Computational Behavioral Science. Shonan Village Center, Japan.
- Messinger, D. S. (2013). Emotion, Interaction, and Autism: Timing and Development. Invited talk. Swiss Center for Affective Sciences.
- Hammal, Z., Cohn, J. F., Messinger, D. S., Mattson, W., Mahoor, M. (2013). Head Movement Dynamics During Normal and Perturbed Parent-Infant Interaction. Paper presented at International Conference on Affective Computing and Intelligent Interaction. Geneva, Switzerland.
- Fox, N. & Messinger, D. Emotional development. Invited Symposium at the "Faces" Post-conference of the International Society for Research on Emotion. Berkeley, California.
- Messinger, D.S, Mattson, W. I., Mahoor, M. H., Cohn, J.F., (2012). Rule-based similarities between Positive and negative facial expressions. Paper presented at the Association for Psychological Science (APS) Annual Convention, Chicago, IL, USA.
- Messinger, D. Mattson, W. Fogel, A. & Beebe, B. (2013). Mini-Moods: Consistent patterning of affective expressions in time. Paper presented at the International Society for Research on Emotion. Berkeley, California.

- Messinger, D. (2013). Emotion, Interaction, and Autism: Timing and Development. Invited presentation. McGill University.
- Mattson, W. I., Bahrick, L. E., Todd, J. T., Beebe, B., Stone, W. L., Messinger, D.S. (2013). *'Look ma, no interaction!' Infants structure their own gaze durations in the absence of parental scaffolding*. Poster presented at the Association for Psychological Science Annual Convention. Washington, D.C., USA.
- Gealy, W., Dovi, A., Kubiszyn, T., McQuillin, S., Lambert, B., & Messinger, D. (2013, May). *Teachers Rate More Adaptability than Parents in Hispanic, ASD Sample on BASC-2*. Poster presented at the Association of Psychological Science (APS), Washington, D.C.
- N. Zaker, M.H. Mahoor, W. I. Mattson, D.S. Messinger, J.F. Cohn. (2013). A study on different classification methods for automatic measurement of spontaneous facial expression. 10th IEEE Conference on Automated Face and Gesture, April.
- (April, 2013). Discussant. "Oxytocin and autism: Observational, genetic, and neuroimaging approaches." Symposium at the Society for Research on Child Development (SRCD) Biannual Conference, Seattle, WA.
- Messinger, D., Ruvolo, P., Fogel, A., & Movellan, J. (April, 2013). Inferring Infant and Mother Smiling Preferences in Early Interaction (and a Robotics Application). Paper presented at the Society for Research in Child Development Biennial Meeting, Seattle, WA.
- Ekas, N.V., McDonald, N., & Messinger, D. (2013, April). The association between autism symptom severity and child compliance among children at-risk for autism spectrum disorder. Poster presented at the Society for Research in Child Development Biennial Meeting, Seattle, WA.
- Key, A., Ibanez, L., Henderson, H., Vinson, A., Jones, D., Warren, Z., Messinger, D., & Stone, W. (2013, April). Positive affect recognition and social-communicative outcomes in infants at high risk for autism. Poster presented at the Society for Research on Child Development biennial meeting, Seattle, WA.
- Beebe, B., Parashar, N., Banerjee, N., Messinger, D., Margolis, A., Loeser, M., Bandes, E., Van Hoose, S., Friedman, D., Brussani, M., Vigliano, D., Lee, S., Buck, K.A. (2013). Mother-Infant vs. Stranger-Infant Self- and Interactive Contingency in Face-to-Face Interaction. Poster, Society for Research in Child Development, Biennial Meeting, Seattle, WA.
- Gangi, D. N., Ibañez, L. V., Stone, W. L., & Messinger, D. S. (April 2013). Initiating joint attention, smiling, and autism risk. Paper presented at the Society for Research in Child Development Biennial Meeting 2013, Seattle, Washington, USA.
- Gangi, D. N., Ibañez, L. V., Ekas, N., Lambert, B., Stone, W. L., Warren, Z., & Messinger, D. S. (April, 2013). Integration of gaze and positive affect across contexts in infancy. Poster presented at the Society for Research in Child Development Biennial Meeting 2013, Seattle, Washington, USA.
- Mattson, W. I., Bahrick, L. E., Todd, J. T., Beebe, B., Stone, W. L., Yee, N., & Messinger, D.S. (2013). Infant interest: Patterns of gaze in the face-to-face/still-face paradigm. Poster presented at the 2013 Society for Research in Child Development Biennial Meeting, Seattle, WA.
- McDonald, N., Baker, J., & Messinger, D. (April, 2013). The influence of OXTR and parent-child interaction on empathy in children at risk for ASD. Paper presented at the Society for Research on Child Development (SRCD) Biannual Conference, Seattle, WA.

- Messinger, D. (2013). "Early Predictors of ASD." Advancements in the Treatment of Autism. Invited presentation. Mailman Center for Child Development. University of Miami.
- Messinger, D. (2013). Emotion, Interaction and Autism: Process and Development. Invited presentation. Florida Atlantic University
- Nazanin Zaker, Mohammad H. Mahoor, Whitney I. Mattson, Daniel S. Messinger, and Jeffrey F. Cohn (2012) "Intensity Measurement of Spontaneous Facial Actions: Evaluation of Different Image Representations", presented at the IEEE International Conference on Development and Learning and Epigenetic Robotics.
- Messinger, D. S.* (2012). The development of face perception in the context of infant emotional expressions: A computer vision perspective. Paper presented at the 43rd NIPS International Symposium, "Face perception and recognition." Okazaki, Japan.
- Mattson, W. I., Cohn, J. F., Mahoor, M. H., *Messinger, D. S.* (2012) Duchenne Smiling in the Face-to-Face/Still Face. Poster presented at the 2012 International Conference on Infant Studies, Minneapolis, MN
- Messinger, D. S.* (2012). Symposium Chair. "Early temporal dynamics of self-organization and interaction: New research approaches." International Conference for Infant Studies, Minneapolis, MN.
- Ekas, N.V. & *Messinger, D.* (2012, June). The dynamic still-face effect: Do infants decrease bidding over time when parents are not responsive? Paper presented at the International Conference for Infant Studies, Minneapolis, MN.
- Mattson, W. I., Cohn, J.F., Mahoor, M. H., *Messinger, D.S.* (2012). Beyond Smiles: Duchenne Distress in Infants. Poster presented at the Association for Psychological Science (APS) Annual Convention, Chicago, IL, USA.
- Messinger, D.* (2012). "Le emozioni nei bambini: applicazioni del comportamento emozionale del volto nella psicologia clinica e dello sviluppo." "FACS and the Study of Emotional Development." "The Development of Autism Spectrum Disorders (ASD)." Trieste, Italy.
- Messinger, D.*, G. Young, S. Ozonoff, L. Zwaigenbaum, K. Dobkins, L. Carter, T. Charman, R. Landa, M. Strauss, J. Constantino, T. Hutman, S. Bryson, J. Iverson, L. Carver, S. Rogers, M. Sigman and W. Stone (2012). Beyond ASD: Developmental Outcomes of High Risk Siblings. Paper presented at the International Meeting for Autism Research. Toronto, Canada.
- Ibanez, L., *Messinger, D.*, Warren, Z., & Stone, W. (2012). The early developmental trajectory of initiating joint attention, but not expressive vocabulary, predicts later ASD severity in ASD-sibs. Poster presented at the International Meeting for Autism Research (IMFAR), Toronto, Canada.
- Nguyen, T., Ibanez, L., Fong, M., *Messinger, D.*, Grantz, C., Warren, Z., & Stone, W. (2012). Divergence of object play trajectories between high-risk infant siblings and low-risk controls occurs between 15 and 18 months of age. Poster presented at the International Meeting for Autism Research (IMFAR), Toronto, Canada.

- Grantz, C. J., Ibanez, L. V., Gangi, D. N., Stone, W. L., Warren, Z., & *Messinger, D. S.* (May 2012). Nonverbal referential communication and language in infants at high risk for ASD. Poster presented at the International Meeting for Autism Research 2012, Toronto Canada.
- Lambert, B., Gutierrez, A., Mattson, W., Artigas, J., Martinez, O., Kimijima, M., Cassell, J., Cohn, J., & *Messinger, D. S.* (May 2012). Responding to Joint Attention Requests from Virtual and Non-Virtual Social Partners. Poster presented at the International Meeting for Autism Research, Toronto, Canada.
- Messinger, D.* (April, 2012). Interaction and Autism: Process and Development. The Georgia Institute of Technology.
- Franklin, B., Warlaumont, A., Lambert, B., *Messinger, D.*, Oller, D.K., (2012). Volubility of Infant Vocalization in Face to Face, Still Face, and Reunion. Poster presented at the International Child Phonology Conference.
- Messinger, D. S.* (2012). Communication and Autism: Process and Development. Centro Internazionale Studi Montessoriani. Bergamo, Italy.
- Messinger, D. S.* (2011). Baby-Sibs, Early Signs, and Early Intervention. LEND Program Interdisciplinary Lecture Series.at the Mailman Center for Child Development.
- Yoder, P, Carter, A. S., *Messinger, D. S.*, Nahmias, A. S., Stone, W. L., & Celimli, S. (2011). Randomized Controlled Trial of Hanen's More Than Words. Paper presented at the American Speech-Language-Hearing Association (ASHA) annual convention. San Diego, CA.
- Messinger, D.* (2011). "Measurement, analysis, and sharing." Invited talk at the National Science Foundation Workshop on Data Coding, Analysis, Archiving, and Sharing for Open Collaboration: From OpenSHAPA to Open Data Sharing. Arlington, VA.
- Messinger, D.* (2011). "Emotion, Interaction, and Autism: Understanding Process and Development." University of Pittsburgh, Pittsburgh, PA.
- Messinger, D.* (2011). "Communication and Autism: Process and Development." Invited talk at the Kennedy Krieger Institute, Baltimore, MD.
- Wu, T., Tingfan Wu, Artigas, J., Mattson, W., Ruvolo, P. Movellan, J. & *Messinger, D.* (2011). Collecting a Developmental Dataset of Reaching Behavior: First Steps. IROS Workshop on Cognitive Neuroscience Robots.
- Artigas, J., Mattson, W., Ruvolo, P. Wu, T., Movellan, J. & *Messinger, D.* (2011). Rethinking Motor Development and Learning." Poster and spotlight talk presented at a joint meeting of the International Conference on Development and Learning (ICDL) and the International Conference on Epigenetic Robotics (EpiRob). Frankfurt am Main, Germany.
- Ruvolo, P., *Messinger, D.*, Fogel A., and Movellan J.R. (2011, May). Inferring Preferences from Behavior in Early Mother-Infant Interaction. Poster presented at the Association for Psychological Science Annual Convention, Washington, D.C.

- Ekas, N., Stone, W., & *Messinger, D.* (May, 2011). Temporal dynamics in the still-face: Do infants' social bids decline with time? Poster presented at the Association of Psychological Science Annual Convention. Washington, DC.
- Mattson, W. I., Ekas, N., Tronick, E. Z., Lester, B. M., & *Messinger, D. S.* (2011). Emotional expression and physiology during the Face-to-Face/Still-Face (FFSF) in at-risk infants. Poster presented at the Association for Psychological Science (APS) Annual Convention, Washington, D.C., USA.
- Lieberman, R. G., Nahmias, A. S., Yoder, P., Celimli, S., *Messinger, D. S.*, Stone, W. L., & Carter, A. S. (2011, March). *Does the effect of a parent training program on parent responsivity vary by parental depression severity?* Poster session presented at the annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, TX.
- D. Alie, M. H. Mahoor, W. Mattson, D. Anderson, and D. S. Messinger, "Analysis of Eye Gaze Pattern of Infants at Risk of Autism Spectrum Disorder using Markov Models" presented at the IEEE Workshop on Applications of Computer Vision, Hawaii, January 2011.
- Messinger, D.* (2010). "Early Emotion and Interaction: Understanding Process and Development" and "Computer-based Methods for the Analysis of Facial Expressions and Social Interactions." Talks presented at the 6th Workshop of the German Emotion Network.
- Messinger, D.* (2010). Strumenti per l'osservazione del comportamento infantile. Invited talk. Azienda Ospedaliera Brotzu, Cagliari, Sardinia.
- Messinger, D.* (2010). The Development of ASDs: Emotion, Interaction, and Attention. Castel Ivano. Trento.
- Messinger, D.* (August, 2010). Continuous measurement of early behaviour: Infants, emotion, and autism. Invited symposium paper presented at on automatic analysis of behaviour at the meeting of the International Society for Human Ethology, Madison, WI.
- Messinger, D.*, Baker, J.K., Lindahl, K.M., Mattson, W.I., Celimli, S. (May, 2010). A Demonstration Measurement System Relevant to Autism Risk and Symptomatology: Continuous Non-Expert Ratings of Infant and Parent Emotion. International Meeting for Autism Research Technology & Autism Demonstration Session.
- Messinger, D.*, Ekas, N., & Fogel, A. ( May, 2010). Early bi-directional influence: Competing agendas when infants gaze and mothers smile. Poster presented at the Association for Psychological Science Annual Convention, Boston, MA.
- Messinger, D.*, Ekas, N., Ruvolo, P., & Fogel, A. (May, 2010). Young infants exhibit stable patterns of interest and affect during interaction. Poster presented at the Association for Psychological Science Annual Convention, Boston, MA.
- Messinger, D.* (May, 2010). A Demonstration Measurement System Relevant to Autism Risk and Symptomatology: Continuous Non-Expert Ratings of Infant and Parent Emotion. presented at the International Meeting for Autism Research, Philadelphia, PA.
- Celimli, S., Lyons, K. K., Grantz, C. J., Yoder, P. J., Stone, W. L., Carter, A. S., & *Messinger, D. S.* (May,

2010). Parenting Stress as a Moderator of the Association Between Observed ASD Symptomatology and Related Parent-Reported Child Behaviors. Poster presented at the International Meeting for Autism Research, Philadelphia, PA.

Baker J. K., *Messinger, D.S.*, Ekas, N.V., Lyons K.K., & Grantz, C.J. (2010). Mother-toddler interaction in the context of emergent autism. In J. Baker & N. Ekas (Chairs), Parent-child interaction and the emergence of developmental disorders. Symposium presented at the 43rd Annual Gatlinburg Conference, Annapolis, MD.

Ekas, N.V., Baker, J.K., Gealy, W., *Messinger, D.* (2010). Distress among parents of children with and at-risk for autism spectrum disorder. In N. Ekas & J. Baker (Chairs), Parenting in the context of developmental difficulties: Perspectives on parental mental health. Symposium presented at the 43rd Annual Gatlinburg Conference, Annapolis, MD.

*Messinger, D.* (2010). Universita' di Trento. "Autism research, developmental methods, and research workshop." A series of workshops.

Baker, J. K., Brewster, R., & *Messinger, D. S.* (2010). Non-expert ratings of maternal sensitivity toward toddlers. Poster presented at the XVIIth Biennial International Conference on Infant Studies (ICIS). Baltimore, Maryland.

Ekas, N.V., Ibanez, L., Mattson, W.I., & *Messinger, D.* (2009). The coordination of attention and affect during the still-face among infants at-risk for autism spectrum disorder. Poster presented at the International Conference for Infant Studies, Baltimore, MD.

Ekas, N.V., Haltigan, J.D., Gealy, W., & *Messinger, D.* (2009). Early interaction between infants at-risk for autism spectrum disorder and their mothers. Poster presented at the International Conference for Infant Studies, Baltimore, MD.

Mattson, W.I., Mahoor, M.H., Cadavid, S., Martinez, O.L., *Messinger, D.S.*, & Cohn, J.F. (2010). *Eye Constriction in Positive and Negative Emotional Expressions*. Poster session presented at the International Conference for Infant Studies, Baltimore, MD.

*Messinger, D.* & Ibanez, L. (2010). Visual disengagement during early interaction as a predictor of joint attention. Paper presented as part of invited symposium, Early Development in Autism: Findings from High-Risk Infant Cohorts, at the biennial meeting of the International Conference on Infant Studies, Baltimore, MD.

*Messinger, D.* (2009). The Development of Autism in At-Risk Infants - Characterization and Amelioration. Paper presented at the University of Miami/Mailman Center For Child Development Conference on Medical Issues and The Growing Child.

*Messinger, D.* (2009). Affect, Attention, and Autism Risk. Address delivered at the webinar Bioconference Live.

*Messinger, D.* (2009). The Development of Autism in At-Risk Infants - Characterization and Amelioration. Keynote Address delivered at Medical Issues and the Growing Child Conference. University of Miami.

- Cadavid S, Mahoor MH, Messinger DS, Cohn JF. (2009/in press). [Automated Classification of Gaze Direction Using Spectral Regression and Support Vector Machine](#). International Conference on Affective Computing & Intelligent Interaction.
- Cadavid, S., Abdel-Mottaleb, M., D. S. Messinger, M. H. Mahoor, & L. E. Bahrack, (2009). Detecting local audio-visual synchrony in monologues utilizing vocal pitch and facial landmark trajectories. British Machine Vision Conference (BMVC), .
- Messinger, D.*, Mahoor, M., Cadavid, S. Kimijima, M., Haltigan, JD, & Cohn, J.(2009). The Role of Eye Constriction in Positive and Negative Infant Emotional Expressions. Hot Topic paper presented to the International Society for Research in Emotions. Leuven, Belgium.
- Baker, J. K., Haltigan, J.D., Brewster, R., Jaccard, J. & *Messinger, D.* Non-Expert Ratings of Parent and Infant Emotion: Concordance with Expert Ratings and Relevance to Early Autism Risk. Hot Topic paper presented to the International Society for Research in Emotions. Leuven, Belgium.
- M. Mahoor, S. Cadavid, D. Messinger & J. Cohn (2009). [A Framework for Automated Measurement of the Intensity of Non-Posed Facial Action Units](#). Second IEEE Workshop on CVPR for Human Communicative Behavior Analysis, Miami Beach, FL.
- Grantz, C., Ibanez, L., Gealy, W., & *Messinger, D. S.* (2009). Triadic Attention Development across Contexts in Infant Siblings of Children with Autism Spectrum Disorders. Poster presented at the International Meeting for Autism Research (IMFAR). Chicago, IL.
- Messinger, D.* (April, 2009). The roots of moral cognition: Interaction and empathy in infants at risk for autism. Moral Cognition and Behavior: Philosophical and Neuroscientific Approach. STOQ III. Rome.
- Messinger, D.* (February, 2009). The development of emotion expression: Basic research, autism applications, and free measurement tools. Paper delivered to the University of Miami Emotions Group.
- McDonald, N., Robinson, G., & *Messinger, D.* (May, 2009). Does 24-month empathic responding predict autistic symptomatology and later ASD diagnosis? Poster presented at the International Meeting for Autism Research (IMFAR), Chicago, IL.
- Ibanez, L., Grantz, C., Gealy, W., Kimijima, M., & *Messinger, D.* (2009). Developmental Associations Between Attention, Language, and ASD Symptomatology in the Infant Siblings of Children with Autism Spectrum Disorders(ASDs). Poster presented at the International Meeting for Autism Research (IMFAR). Chicago, IL.
- Messinger, D.*, Ibanez, L., Cohn, J., Mahoor, M., Haltigan, JD, Kelley, K., & Baker, J. (2009). University of Miami Sibling Study Measuring Infant Learning and Emotion. Presentation to the annual meeting of the NIH/Autism Speaks Baby Sibs Research Consortium, Miami Beach, FL.
- Nahmias, A. S., Brown, A. H., Stone, W. L., Yoder, P. J., *Messinger, D. S.*, & Wetherby, A. M. (2009). Repetitive and Stereotyped Movements in Young Children With and Without Later Autism Symptomatology. Poster presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Denver, Colorado.
- Haltigan, J. D., Seifer, R., Chan, S., & *Messinger, D.* (2009). Parental Sensitivity and Attachment

Security in Infants at Risk for Autism Spectrum Disorders (ASDs). Poster presented at the Society for Research in Child Development (SRCD) Biennial Meeting, Denver, Colorado.

*Messinger, D.* (2008). Affect, Attention, and Early Development. Paper presented at the NSF Temporal Dynamics of Learning Center, Social Interaction Network Workshop, UCSD, San Diego, CA.

Ibanez, L., Grantz, C., *Messinger, D.*, Gealy, W., & Kimijima, M. (2009). Visual and Joint Attention and Later Language Development in the Infant Siblings of Children with an Autism Spectrum Disorder. Paper presented at the meeting of the Society for Research in Child Development, Denver, CO.

McDonald, N. & *Messinger, D.* (April, 2009). Empathic responding in toddlers at risk for an autism spectrum disorder. Poster presented at the meeting of Society for Research on Child Development, Denver, CO.

Mahoor, M.H., *Messinger, D.S.*, Ibanez, L.V., Cadavid, S., Cohn, J.F. (2009), Automated Measurement of Gaze Direction in Infants. Poster presented at the meeting of the Society for Research in Child Development, Denver, CO.

*Messinger, D.* (2008). Automated Measurement of Infant-Parent Interaction. Invited DataBlitz talk. University of Miami Symposium on Networks.

*Messinger, D.* (2008) Baby-Sibs: Infants At-Risk for Autism Spectrum Disorders (ASD) and the Broad Autism Phenotype (BAP). Paper presented at L'università degli Studi di Cagliari hosted by Azienda Ospedaliera 'G. Brotzu.'

*Messinger, D.S.* Mahoor, M., Cadavid, S. Chow, S. Cohn, J.F. (2008). [Early Interactive Emotional Development](#). Proceedings of the IEEE 7th International Conference on Development and Learning. IEEE, 232-237. Monterey, CA.

*Messinger, D.S.* & Cohn, J. (2008). Early Interactive Emotional Development: Manual and Automated FACS Approaches. Invited talk at the 12th European Conference on Facial Expressions. Geneva, Switzerland.

Mohammad H. Mahoor, M. H., *Messinger, D. S.*, Ibanez, L., Kimijima, M., Wang, Y., Cadavid, S. & Cohn, J.F. (2008). Studying Facial Expressions Using Manifold Learning and Support Vector Machines, Poster presented at IEEE 7th International Conference on Development and Learning, Monterey, California.

Rosenberg, E., *Messinger, D.S.* & Cohn, J. (2008). [Advanced FACS Methodological Issues](#). Presented at the 12th European Conference on Facial Expressions. Geneva, Switzerland.

*Messinger, D.S.* Cassel, T., Ambadar, Z. Cohn, J. F. (2008). [Infant Smiling Dynamics and Perceived Positive Emotion](#). Presented at the 12th European Conference on Facial Expressions. Geneva, Switzerland.

Haltigan, J.D., *Messinger, D.S.*, MacDonald, N. (2008). Empathic Responding and Attachment Security in Young Children At Risk for an Autism Spectrum Disorder. Presented at the International Meeting for Autism Research (IMFAR). London, UK.

- Messinger, D., Cassel, T., Ibanez, L., Haltigan, J.D., Acosta, S. & Kelley, K. (2008). Emotion, Attention, and Joint Attention in Infants at Risk for Autism. Presented at the International Meeting for Autism Research (IMFAR). London, UK.*
- Mahoor, M. H., *Messinger, D. S.*, Kimijima M., Brewster R., Kelley, K. M., & Cohn, J. F. (2008). Automatic Measurement of Smile Intensity. Paper presented at the Marino Autism Research Institute Scientific Symposium, Vanderbilt University, Nashville, TN.
- Messinger, D. (2008). Core concepts in understanding and treating autism. Presented at "Masters of Pediatrics," Miami Beach, FL.*
- Ibanez, L., Grantz, C., *Messinger, D.*, Cassel, T., Haltigan, J., Acosta, S., & Kelley, K. (2008). Early Gaze Shifting and Joint Attention in Infants at-risk for Autism. Poster presented at the biennial meeting of the International Conference on Infant Studies, Vancouver, Canada.
- Messinger, D.S. (2007). [Emerging Motivation: Modeling Early Interactive Emotional Development](#). Proceedings of the 7th International Conference on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems, Lund University Cognitive Studies, 134, 5-12. Rutgers, NJ.*
- Messinger, D. (2007) UMSIB-SMILE: Six Month Attention & Emotion, and Later Joint Attention. Presentation at the Annual Meeting of the Baby Sibs Research Consortium, San Francisco, CA.*
- Messinger, D. (2007). Development of emotional communication. Paper presented at the Workshop on Transactional Emotions, Institute for Creative Technologies, University of Southern California.*
- Messinger, D., Cassel, T., Ibanez, L., Haltigan, J.D., & Acosta, S. (2007). Early Social & Emotional Communication in Infant Siblings of Children with Autism Spectrum Disorders. Paper presented at the Society for Research in Child Development, Boston, MA.*
- Ibanez, L., *Messinger, D.*, Lambert, B., Newell, L., and Sheskin, M. (2007). Gaze shifting in the infant siblings of children with an autism spectrum disorder. Poster presented at the Association for Psychological Science, Washington, D.C.
- Ibanez, L., Lambert, B., Newell, L., Sheskin, M. and *Messinger, D. (2007). Gaze shifting in the infant siblings of children with an autism spectrum disorder. Poster presented at the International Meeting for Autism Research, Seattle, Washington.*
- Fernandez, C. A., *Messinger, D.*, and Ibanez, L. (2007). Temperament in the infant siblings of children with an autism spectrum disorder. Poster presented at the International Meeting for Autism Research, Seattle, Washington.
- Haltigan, J.D., *Messinger, D.S.*, Chow, Sy-Miin, Jaccard, J., and Wang, T. (2007). Continuous emotion ratings of infants at risk for autism and their parents. Poster presented at the Association for Psychological Science, Washington, D.C.
- Haltigan, J. D., *Messinger, D. S.*, Sy-Miin, C., Jaccard, J., and Wang, T. (2007). Continuous measurement of infant and parent emotional valence in the face-to-face still-face paradigm: Infants at risk for autism. Poster presented at the International Meeting for Autism Research, Seattle, Washington.

- Messinger, D.* (2007). The early development of autism and the broader phenotype. Presented at "Masters of Pediatrics," Miami Beach, FL.
- Messinger, D., Cassel, T., Ibanez, L., Haltigan, J.D., & Acosta, S.* (2006). Early Social & Emotional Communication in Infant Siblings of Children with Autism Spectrum Disorders. Paper presented at the Society for Research in Child Development, Boston, MA.
- Haltigan, J.D., *Messinger, D.*, Chow, S., Linick, J., Wang, T., & Jaccard, J. (2006). Time-based measurement of interaction emotion using non-expert observers. Poster presented at the International Society for Research on Emotions (ISRE), Atlanta, GA.
- Linick, J., *Messinger, D.*, & Haltigan, J.D., Chow, S., Linick, J., Wang, T., & Jaccard, J. (2006). *Continuous ratings of infant and parent emotional expressivity*. Poster presented at the annual conference of the International Society for Infant Studies. Kyoto, Japan.
- Ibanez, L., *Messinger, D.*, Ambadar, Z., Brewster, R. & Cohn, J. Automated Measurement of Infant and Mother Interactive Smiling. Poster presented to the Association for Psychological Science. NY, NY.
- Haltigan, JD, *Messinger, D.*, Chow, S., Linick, J., Wang, T., & Jaccard, J. (2006). Emotion Ratings From Continuous Rating Software: Reliability, Validity, & Applicability. Poster presented to the Association for Psychological Science. NY, NY.
- Cassel, T., *Messinger, D.*, Acosta, S., Haltigan, J., & Linick, J. (2005). Emotional deficits in infants with siblings with autism spectrum disorders? Poster presented at the American Psychological Association, Washington, DC.
- Vaillant-Molina, M., Ibanez, L. V., *Messinger, D. S.*, & Bahrack, L. E. (2005). Young infants' perception of emotional expressions of other infants. Poster presented at the International Society for Research on Emotions Conference, Bari, Italy.
- Messinger, D.S.*, Chow, S. M., Koterba, S.Hu, C., Haltigan, J. D., Wang, T., & Cohn, J. F. (2005). Smile and Emotion Dynamics in Infant-Mother Interaction. Paper presented at the International Society for Research in Emotion, Bari, Italy.
- Hammond, J., *Messinger, D.*, Das, A., LaGasse, L., Miller-Loncar, C., Higgins, R., Lester, B., Shankaran, S., Bada, H., Bauer, C., Wright, L., Smeriglio, V., & Bhaskar, B. (2005). *Actigraphic measurements of children prenatally exposed to cocaine: Measuring the fidget factor*. Paper presented at the Society for Pediatric Research, Washington, D.C.
- Hamlin-Smith, K. Daniel Messinger, D, & Bauer, CR (May, 2005). Relationship of Bayley Behavior Rating Scales (BRS) to Concurrent and and Future Mental and Motor Development in Extremely Low Birth Weight (ELBW) Infants. Poster presented at at the Society for Pediatric Research, Washington, DC.
- Messinger, D.S.*, Gaby, J., Haltigan, J. D., Chow, S. M., Koterba, S.Hu, C., Venezia, M., Hamilton, L., Cohn, J. F. (2005, April). Interactive Influence in Mutual Smiling. Paper presented at the Society for Research in Child Development. Atlanta, GA.

- Venezia, M., *Messinger, D.S.*, Mundy, P. (2005). The Development of Anticipatory Smiling: Affective Communication Predicts Social Outcome. Paper presented at the Society for Research in Child Development. Atlanta, GA.
- Acosta, S., *Messinger, D.*, Cassel, T., Bauer, C., Lester, B., & Tronick, E.Z. (2004, July). "How infants smile in the face-to-face/still-face." Presented at the International Society for Research on Emotions, New York, NY.
- Messinger, D. S.*, & Acosta, S., Cassel, T., Ambadar, Z. & Cohn, J. (2004, July). 'Automated measurement of infant expressions: Are the dynamics emotional or facial?' Presented at the International Society for Research on Emotions, New York, NY.
- Acosta, S., *Messinger, D.*, Cassell, T., Bauer, C. Lester, B, & Tronick, E. Z. (2004). 'How Infants Smile in the Face-to-Face/Still-Face.' Paper presented at the International Conference on Infant Studies, Chicago, IL.
- Cassell, T., *Messinger, D.*, Escobar, J., Ambadar, Z., Cohn, J. (2004). What causes some infant smiles perceived as more positive than others? Contributions of automated measurement and ratings. Paper presented at the International Conference on Infant Studies, Chicago, IL.
- Venezia, M., *Messinger, D.*, Thorp, D., & Mundy, P. (2004). The Development of Anticipatory Smiling: Predicting Social Expressivity from Infant Affective Communication. Paper presented at the International Conference on Infant Studies, Chicago, IL.
- Messinger, D. S.* (2003). "Emotion and communication in the first year of life," paper presented at l'Universita' di Verona (5/21), l'Universita' di Roma - "La Sapienza" (5/26), l'Universita' di Bologna (5/29), l'Universita' di Padova (5/30), and as an invited address to the Fetal Alcohol Syndrome Study Group meeting in Fort Lauderdale, FL (6/21).
- Messinger, D. S.*, Cobo-Lewis, A., Fogel, A. Acosta, S., & Cassel, T. (2003). Patterns in time: The development of infant expressive coordination and infant-mother coordination. Paper presented at the Society for Research in Child Development. Tampa, FL.
- Bolzani-Dinehart, L., *Messinger, D. S.*, & Acosta, S., Cassel, T., Ambadar, Z. & Cohn, J. (2003). A dimensional approach to infant facial expressions. Poster presented at the Society for Research in Child Development. Tampa, FL.
- Messinger, D. S.*, Bolzani, L., & Acosta, S. (2002). Positive and Negative Emotion: A Facial Connection? Paper presented at the International Society for Research on Emotions. Cuenca, Spain.
- Messinger, D.*, Bauer, C., Das, A., Seifer, R., Lester, B., LaGasse, L., Wright, L., Shankaran, S., Bada, H., Smeriglio, V., & Poole, K. (May, 2002). Maternal Lifestyle Study (MLS): Prenatal Cocaine (C) & Opiate (O) Exposure and Bayley II Performance at 1, 2, & 3 Years. Presented at a Poster Symposium of the Society for Pediatric Research, Washington, DC.
- Yale, M. E., *Messinger, D. S.*, Cobo-Lewis, A., Acosta, S., Bolzani, L., & Fogel, A. (April, 2002). Individual changes in the coordination of infant smiles and gaze with age. Poster presented at the International Conference on Infant Studies, Toronto, CA.

- Bolzani, L. H., *Messinger, D. S.*, Sanders, D. & Oster, H. (April, 2002). Facial actions associated with adult perceptions of increased emotional intensity: Preliminary evidence. Poster presented at the International Conference on Infant Studies, Toronto, CA.
- Brunner, S. M. *Messinger, D. S.*, Vertus, G. Bauer, C. (April, 2002). Social play interaction among cocaine exposed toddlers and caregivers. Poster presented at the International Conference on Infant Studies, Toronto, CA.
- Messinger, D.* (2001, September). Prenatal cocaine exposure and infant outcome. Paper presented at the University of Maine, Orono, ME.
- Messinger, D. S.* (May, 2001). "Early emotional life," "Timing early communications," and "Getting the most out of interactive and developmental data." Papers presented at l'Universita' di Roma, "La Sapienza." "Le emozioni nei bambini: implicazioni per lo sviluppo" paper presented at l'Universita' di Bologna. "Getting the most out of interactive and developmental data" Paper presented at l'Universita' di Padova.
- Messinger, D. S.*, Brunson, D., Bolzani, L., & Serrano, L. (April, 2001). Intensifying emotional expressions: Convergent evidence from production and judgment studies. Paper presented at the Society for Research in Child Development, Minneapolis, MN.
- LaGasse, L. *Messinger, D.* Lester, B. M., Seifer, R., Bauer, C. R., Shankaran, S., Bada, H., Wright, L., Smeriglio, V., Poole, K., & Liu, E. (April, 2001). Prenatal drug exposure and maternal and infant feeding behavior. Poster presented at the Society for Pediatric Research, Baltimore, MD.
- LaGasse, L. *Messinger, D.* Lester, B. M., Seifer, R., Bauer, C. R., Shankaran, S., Bada, H., Wright, L., Smeriglio, V., Poole, K., & Liu, E.. (April, 2001). Prenatal drug exposure and maternal and infant feeding behavior. Poster presented at the Society for Research in Child Development, Minneapolis, MN.
- Messinger, D. S.*, Sattaur, S., Groß, C. Brunson, D., Oster, H., Bolzani, L., & Serrano, L. (August, 2000). Factors influencing judgments of the emotional intensity of infant facial expressions. Poster presented at the International Society for Research on Emotions. Quebec, CA.
- Messinger, D.*, Fogel, A., & Dickson, K. L. (July, 2000). All smiles are positive, but some smiles are more positive than others. Poster presented at the International Conference on Infant Studies, Brighton, UK.
- Messinger, D.*, Fogel, A., & Dickson, K. L. (July, 2000). Does infant attention to and away from mother's face during interaction reflect periods of sustained interest? Poster presented at the International Conference on Infant Studies, Brighton, UK.
- Yale, M., *Messinger, D.*, & Cobo-Lewis, A. (July, 2000). An event-based analysis of the coordination of infant social behaviors. Paper presented at the International Conference on Infant Studies, Brighton, UK.
- Messinger, D.* (November, 1999). "Effects of substance exposure during pregnancy on infant outcomes." Invited address to the International Neonatal Conference: Neonatology 2000, Miami, FL.

- Yale, M., *Messinger, D.*, & Cobo-Lewis, A. (April, 1999). Coordination of infant behaviors: An event-based analysis. Poster presented to the Society for Research in Child Development, Albuquerque, NM.
- Messinger, D.* & Crowson, M. (April, 1999). Bayley II MDI scores dip at two years. Poster presented to the Society for Research in Child Development, Albuquerque, NM.
- Bauer, C. R., *Messinger, D.*, Lester, B., Wright, L., Shankaran, S., Bada, H., LaGasse, L., & Das, A. (May, 1999). [Maternal Lifestyles Study \(MLS\): Prenatal Cocaine/Opiate \(C/O\) Exposure is Unrelated to Changes in Bayley II Performance Between One and Two Years.](#) Poster presented at the Society for Pediatric Research, San Francisco, CA.
- Messinger, D.*, Bauer, C., Langer, J., LaGasse, L., Shankaran, S., Bada, H., Lester, B., Wright, L., Katsikiotis, V., Smeriglio, V., Maza, P. & Finnegan, L. (May, 1998). [Maternal Lifestyles Study \(MLS\): Prenatal cocaine/opiate exposure - Bayley II performance at one year.](#) Platform presentation at the Society for Pediatric Research, New Orleans, LA.
- Fullmer, C. & *Messinger, D.* (April, 1998). Infant response to parental gaze direction during face-to-face/still-face paradigms. Poster presented at the International Conference on Infant Studies, Atlanta, GA.
- Messinger, D.* Dondi, M. G. Nelson-Goens, C., Beghi, A., Fogel, A., & Simion, F. (April, 1998). Neonatal smiles. Poster presented at the International Conference on Infant Studies, Atlanta, GA.
- Messinger, D.*, Fogel, A., & Dickson, K. L. (April, 1998). When infants gaze and mothers smile: Competing agenda? Poster presented at the International Conference on Infant Studies, Atlanta, GA.
- Denis, N. & *Messinger, D.* (October, 1997). Facial actions during face-to-face interactions between mother and infant. National Institutes of Health Student Trainee Poster Session, New Orleans, LA.
- Fullmer, C. & *Messinger, D. S.* (April, 1997). Coordination of infant behaviors in response to parental still-face. Infant smiling during face-to-face interaction. Poster presented to the Society for Research in Child Development, Washington, DC.
- Messinger, D.*, Fogel, A., & Dickson, K. L. (April, 1997). Infant smiling during face-to-face interaction. Poster presented to the Society for Research in Child Development, Washington, DC.
- Hsu, H., Fogel, A., & *Messinger, D.* (August, 1996). Mother-infant co-regulation of communication: It's association with mutual gazing and smiling. Poster presented to the International Society for the Study of Behavioral Development, Quebec, CA.
- Messinger, D.* & Bauer, C. (August, 1996). Infant-mother interaction: Duchenne and non-Duchenne smiles. Poster presented to the International Society for Research on Emotion, Toronto, CA.
- Fullmer, C. E., *Messinger, D. S.*, Eilers, R. E., & Yale, M. E. (April, 1996). Coordination of infant behaviors in response to parental still-face. Poster presented at the International Conference on Infant Studies, Providence, RI.

- Hsu, H., Fogel, A., Cooper, R. B., Nwokah, E. E. & *Messinger, D.* (April, 1996). The development of infant positive vocalizations in early infancy. Poster presented at the International Conference on Infant Studies, Providence, RI.
- Willoughby, J. C., Mundy, P. C., Claussen, A. H., *Messinger, D.*, & Scott, K. G. (April, 1996). Non-verbal communication, positive affect, and language development in cocaine exposed 12-month-olds. Poster presented at the International Conference on Infant Studies, Providence, RI.
- Yale, M. E., *Messinger, D.*, Oller, D. K., & Fullmer, C. E. (April, 1996). The coordination of vocalizations and facial actions in infants 3 and 6 months of age. Poster presented at the International Conference on Infant Studies, Providence, RI.
- Messinger, D.* (April, 1995). How mothers and infants smile during face-to-face interaction. Poster presented to the Society for Research in Child Development, Indianapolis, IN.
- Messinger, D.* & Bauer, C. (March, 1995). Status of research on infants born to substance abusing mothers. Pediatric Research Rounds. University of Miami.
- Fogel, A., Dickson, K. L., & *Messinger, D.* (July, 1994). Posture and the development of early communication. Paper presented to the International Society for the Study of Behavioral Development. Amsterdam, The Netherlands.
- Messinger, D.*, Fogel, A. & Dickson, L. (May, 1993). A social-contextual approach to the development of infant smiling. Poster presented at the Society for Research in Child Development, New Orleans, LA.
- Messinger, D.*, Dickson, K. L. & Fogel, A. (March, 1992). The development of infant Duchenne and play smiles. Paper presented to the Southwestern Society for Research in Human Development, Tempe, AZ.
- Gelfand, D., Teti, D. & *Messinger, D.* (May, 1992). Growing up together: Following the lives of depressed mothers and children. Invited Symposium at the Annual Convention of the Western Psychological Association, Portland, OR.
- Harbaugh, S. A., Teti, D. M., Walker, H., *Messinger, D.*, & Isabella, R. (May, 1992). Variability in depressed mothers' behavior with their infants: Stability of demographic and psychosocial correlates. Paper presented at the annual meeting of the Western Psychological Association. Portland, OR.
- Messinger, D.*, (May, 1992). Infant and mother interactive smiles: Morphological and temporal characteristics. Paper presented at the International Conference on Infant Studies, Miami Beach, FL.
- Messinger, D.*, & Fogel, A. (May, 1992). Infants' and mothers' offers and requests: The effects of physical context and infant walking. Poster presented at the International Conference on Infant Studies, Miami Beach, FL.
- Teti, D. M., Gelfand, D. M. & *Messinger, D.* (April, 1991). Security of infant attachment and maternal functioning among depressed and nondepressed mothers and infants. Poster presented to the Society for Research in Child Development, Seattle, WA.

*Messinger, D. & Fogel, A. (April, 1991). Offering and requesting: Similarities and differences. Poster presented to the Society for Research in Child Development, Seattle, WA.*

*Messinger, D. & Freedman, D. (April, 1990). Japanese and American differences in toddler autonomy. Poster presented at the International Conference on Infant Studies, Montreal, CA.*

*Messinger, D. & Fogel, A. (August, 1990). The role of referential gazing in object exchange. Poster presented at the annual convention of the American Psychological Association, Boston.*

## Unpublished

*Messinger, D. (1983). [Working paper in infant development](#). Unpublished manuscript.*

## Teaching Specialization

2017-2018      Developmental Writing Workshop Brown Bag (2017, 2018)

2014-2024      Graduate Core course: "Advanced Developmental Psychology" (2014, 2015, 2016, 2017, 2018, 2021, 2022, 2024)

2001-2021      Graduate seminars: "Social Development" (2000, 2004, 2005, 2006, 2013, 2017, 2020) and "Psychology of Infant Development" (2002, 2004, 2007, 2011, 2016, 2021, 2022).

1999-2022      Undergraduate web-based, writing courses: "Psychology of Infancy," "Psychology of Social and Emotional Development" and "Fact-Forum."

1988-1993      Teaching Fellow, University of Utah. "Psychology of Adolescence," "Introduction to Psychology," "Psychological Methodology," and "Statistical Methods in Psychology" (graduate).

1989            Graduate Instructor, University of Utah. "Introduction to Infancy and Childhood."

## Thesis And Dissertation Advising

Zhang, S. (2025). Master's Thesis Committee Member. Development and consistency of infant social and nonsocial attention: Individual differences across video pairs.

Malik, A. (2025). Dissertation Committee Member. Assessing Early Happiness: Development and Psychometric Evaluation of the Infant Happiness Survey (IHap)

Viggiano, A. (2025). Master's Thesis Committee Member. Associations between fundamental frequency and asd symptom severity in preschoolers: stability and change over time.

Malik, A. (2024). Master's Thesis Committee Member. Does newborn visual attention to social and nonsocial stimuli predict later visual attention?

Drye, M. (2024). Master's Thesis Chair. Voices in the Classroom: Predicting Social Vocalizations Among Preschoolers with and Without ASD

Guangyu, Z. (2024). Dissertation Committee. Infants' Salivary Oxytocin and Positive Emotional Reactions to People

Fasano, R. (2023). Dissertation Committee. The Effects of Sex and Developmental Delays and Disabilities on Objectively Measured Social Networks in Inclusive Preschool Classrooms.

Moffitt, J. (2023). Dissertation Committee Co-Chair. Objective measurement of toddler vocalizations as a predictor of later autism symptoms.

Custode, S. (2022). Dissertation Committee. The Role of Activity Contexts in Influencing Language Experiences in ASD Inclusive Preschool Classrooms.

Fasano, R. M. (2020). Masters Committee. Language Abilities, Peer Interactions, and Social Networks: An Objective Perspective on Inclusive Preschool Classrooms.

Mitsven, S. (2022). Dissertation Chair. Language Use in Preschool Inclusive Classrooms: The Roles of Peer and Teacher Input.

Ahn, A. Y. (2022). Dissertation Chair. Objective Measurement of Early Facial Expressions. Proposed.

Moffitt, J. (2021). Masters Thesis (Co-Chair). Objective measurement of vocal behaviors and proxemics in Autism spectrum disorder.

Maylott, S. (2019). Dissertation. The transition to motherhood: Maternal stress across the first 14 months postpartum.

Zeng, G. (2019). Masters Thesis. Fear temperament and eye contact in early infancy.

Mitsven, S. (2019, proposed). Masters (Chair). Timing is Everything: The Relation Between the Temporal Structure of Classroom Vocalizations and Language Abilities.

Salvadori, E. (2019, proposed). Dissertation (Co-Sponsor). Synchrony of Emotional Communication and Pointing in Infancy: An Investigation on the Early developmental Trajectories of Social-Communicative Functioning. University of Amsterdam.

Wu, K. (2019). Masters Thesis. Multimodal Approaches for Detecting Mimicry in Human-Computer Interaction. Engineering and IT, The University Of Sydney. Defended.

Scholarship Oversight Committee (SOC) Co-Chair for Benjamin Courchia, M.D. (PGY V), Neonatology, Department of Pediatrics.

Martin, K. (2017). Dissertation (Chair). Attachment security differs by autism spectrum disorder diagnosis: A prospective study.

Ahn, A. (2020). Masters (Chair). Parent-infant interaction during the still face and later attachment status.

Prince, E. (2019). Dissertation (Chair). Interactive and Behavioral Predictors of Attachment in a High-Risk Sample.

Ida Egmos Pedersen (2018). Dissertation. Bodily Aspects of Mother-Infant Interactions. Københavns Universitet, University of Copenhagen)

Patrick, C. (2018). Dissertation. Testing an evolutionary-psychological model of incest.

Martin, K. (2017). Dissertation (Chair). Attachment security differs by autism spectrum disorder outcome: A prospective study.

Prince, E. (2017). Masters (Chair). Automated Measurement of Attachment Behaviors During the Strange Situation Procedure.

Martin, K. (2015). Masters (Chair). Objective Measurement of Head Movement in Autism.

Gangi, D. (2015). Dissertation (Chair). Dopaminergic variants in siblings at high risk for autism: Associations with joint attention and behavior problems.

Mattson, Whitney (2014). Dissertation (Chair). The temporal dependency hypothesis: Previous look durations predict next look durations.

Charlotte de Montille (2012). Masters (Responsible). Are there differences in the proportion of anticipatory smiling between siblings at high risk and low risk for ASD at 8 and 10 months of age? University of Miami for Université Pierre-et-Marie Curie, Paris 6.

Grantz, Caroline (2012). Dissertation (Chair). Pathways between Infant Nonverbal Referential Communication and Later Parent-Child Interaction in the Context of Autism Risk.

McDonald, Nicole (2012). Dissertation (Chair). [Genetic and Environmental Predictors of Empathy in Children At Risk for an Autism Spectrum Disorder](#).

Bell, Elizabeth (2011). Proposed Dissertation. Peer Play as a Context for Identifying Profiles of Children and Examining Rates of Growth in Academic Readiness for Children Enrolled in Head Start.

Devon Gangi (2012). Masters Thesis (Chair). Development of Anticipatory Smiling in ASD-sibs and COMP-sibs.

Whitney I. Mattson (2011). Masters Thesis (Chair). Emotion Intensification in 6-Month-Old Infants: The Role of Eye Constriction.

Amy Kalas (2010). Master's Thesis. The Effect of Simple Versus Complex Music On Joint Attention Of Children With Autism Spectrum Disorder.

Ibanez, L. (2010). Dissertation (Chair). Attention, Language Development, and Autism Spectrum Disorder (ASD) Symptomatology in the Infant Siblings of Children with an ASD.

McDonald, N. (2009). Master's Thesis (Chair). Early Empathy Development and Cooperation in Toddlers at Risk for an Autism Spectrum Disorder.

- Kolnick, S. (2009). Dissertation. Predicting school readiness: Executive functions, problem behaviors and theory of mind in preschoolers.
- Grantz, C. J. (2010). Master's Thesis (Chair). The Emergence of Triadic Attention in Typically-Developing Infants and Infant Siblings of Children with an Autism Spectrum Disorder (ASD).
- Scolnick, S. (2008). Master's Thesis. Responding to Joint Attention: Growth and Prediction to Subsequent Social Competence in Children Prenatally Exposed to Cocaine.
- Vitiello, V. (2009). Ph.D. Dissertation. Executive Functions and Approaches to Learning in Head Start Preschoolers.
- Vanessa Gonzalez-Jarquín (2008). Ph.D. Dissertation. Validation of the Social Communication Questionnaire (SCQ) in a Hispanic Sample: Understanding the Impact of Expressed Emotion.
- Cassel, T. (2008). Ph.D. Dissertation (Chair). Examination of the communicative deficits associated with the broad phenotype of autism in infant siblings of children with Autism Spectrum Disorders.
- Kimeldorf, M. (2008). Ph.D. Dissertation. Reactions to Infidelity: Individual, Gender and Situational Predictors of Relationship Outcome and Forgiveness.
- Monica Bocanegra (2008). Ph.D. Dissertation. Treatment regimen and visual processing in children perinatally infected with HIV.
- J.D. Haltigan (2008). Dissertation (Chair). Emotional Communication and Attachment Security between Parents and their Infants at Risk For Autism Spectrum Disorders.
- Ann-Marie Faria (2008). Ph.D. Dissertation. Peer interactions and school readiness in Head Start children.
- Ibanez, L. (2007). Masters Thesis (Chair). Visual disengagement in the infant siblings of children with an Autism Spectrum Disorder (ASD).
- Acosta, S. (2007). Ph.D. Dissertation (Chair). Correspondences in autistic symptomatology and cognitive functioning between autistic children and their infant siblings.
- Haltigan, J.D. (2006). Masters Thesis (Chair). Initial Validation of Emotion Ratings from Continuous Rating Software: Reliability, Validity, and Their Role In Studies of Human Interaction.
- Harrison, H. M. (2006). Ph.D. Dissertation. Peer Victimization and Depressive Symptoms in Adolescence.
- Dinehart, L. (2006). Language Outcomes in a High Risk Population: The Role of Caregiver Speech, Responsivity, and Directiveness.
- Acosta, S. (2005). Masters Thesis (Chair). Emotional expression in infants exposed to cocaine.
- Thorp, D. (2004). Ph.D. Dissertation. Joint Engagement and Language Development: Contributions of Mother and Infant.
- Tricia Cassel (2003). Masters Thesis (Chair). What causes some infant smiles perceived as more positive than others?

Karen Bearman (2003). Ph.D. Dissertation. Social anxiety in school-age children with asthma: application of the disability-stress-coping model of adjustment.

Danielle Thorp (2002). Masters Thesis. The assessment of social communication skills in children with autism: The ESCS-L and the PICS.

Monica Bocanegra (2002). Masters Thesis. Reaching outcome, behavior and efficiency in infants prenatally exposed to cocaine and/or opiates.

Laura Bolzani (2002). Masters Thesis (Chair). Adult perception of infant facial expressions: An appraisal-dimensional approach.

Zachary Warren (2002). Masters Thesis. Mother-infant interaction and cognitive and behavior outcomes in infants prenatally exposed to cocaine.

Susan Brunner (2002). Masters Thesis (Chair). Social play interaction of cocaine exposed children and caregivers.

Karen Bearman (2002). Masters Thesis Proposal. Asthma and social anxiety in school-age children: Application of the disability-stress-coping model of adjustment.

Jennifer Lynn Stella (2001). Ph.D. Dissertation. Predictive validity of the factor structure of the childhood autism rating scale.

Winsome Thompson (2000). Ph.D. Dissertation (Co-Chair). Language and cognitive performance in minority children infected with HIV.

Sangeeta Mallik (2000). Ph.D. Dissertation. Attachment quality, joint attention, and behavioral outcome in infants prenatally exposed to cocaine.

Marygrace Yale (1999). Ph.D. Dissertation (Chair). The coordination of infant behaviors: An event-based analysis.

Christine Fullmer (1999). Ph.D. Dissertation (Chair). Infant responses to changes in parental behavior: A comparison of two still-face situations.

Stephen Sheinkopf (1999). Ph.D. Dissertation. The role of joint attention, social cognition, and self-regulation in the development of social competence: A study of at-risk children.

Melinda Collins (1999). Ph.D. Dissertation. Caregiver psychological distress and child outcome in cocaine exposed children

Roline Milfort (1998). Masters Thesis. Factors influencing variability in social competence among African-American and Hispanic-American Head Start children.

Christine Fullmer (1997). Masters Thesis (Co-Chair). The coordination of infant behaviors in response to the face-to-face/still-face paradigm.

Mary Grace Yale (1997). Masters Thesis (Co-Chair). Coordination of infant vocalizations and facial actions.

Jennifer Willoughby (1997). Ph.D. Dissertation. Predicting language and behavioral outcome in high risk infants: The utility of measures of joint attention and other nonverbal communication skills.

Jennifer Willoughby (1996). Masters Thesis. Sharing positive affect in the context of joint attention: A description of cocaine exposed 12-month-olds.

Dionne R. Dobbins (1996). Ph.D. Dissertation. An examination of the caregiving environments of children prenatally exposed to cocaine: Family routines, family resources, and home environment.

## **Qualifying Committees (for Ph.D. Candidacy)**

Lauren Breanna Kupis (2021). Brain dynamics underlying the development of cognitive flexibility.

Zeng, G. (2021). Qualification Committee Member. [Two first authored empirical papers.]

## **Undergraduate Mentoring**

Research Interns (PSY 367/368/Volunteer/Fellows):

Alexa Padilla, Daniella Vega, Lauren Kobernick, Camila Mosquera, Susan Wang, Christina Callas, Mia Skyman, Chris Ghantous, Cate Lyons, Daniella Dombey, Arryanna Jordan, Jenna Jarvis, Leigha Kircher, Nestor Orozco-Llamas, Christian Jerry, Emilin Mathew, Samara Smukler, Michelle Wanyana, Erica Zakotyansky, Victoria George, Taylor Bak, Chitra Banarjee, Michal De La Zerda, Madeleine Lysek, John Pino, Crystal Marte, Kristen Fernandez, Maddy Lysek, Megan Rittenberg, Mufeng Li, Tiffany Crawford, Diana Mejia, Sarah Purins, Crystal Marte, Natasha Snapper, Taryn Schrems, Alyssa Cruz, Vivian Nguyen, Tiffany Pomares, Daniela Rodriguez-Firmani, Joanie Levine, Talia Weintraub, Amber Hardee, Claire Clarkin, Asif Khan, Talia Weintraub, Danguillecart Tessa, Michelle Shlafshsteyn, Ming Ma, Lissa Mandell, Samantha Belabin, Bryanna Daniel, Kayla Radler, Orlando Gelpi, N. Benitez, Branca, A., Maria Herrera, Nicole, Yee-Nicholson, Ros, R., Apagueno, B., Niederhoffer, R., Goodman, G., Maxsween, J.; Perri, K.; Gordon, H.; Young, E.; Norona, D.; Gangi, D.; Forero, A.; Freile, M.; Calderon, C., Edmundson, M., Merlin, R.; Oswald, T. Astone, K.; Heisler, C.; Vertucci, K.; Robinson, G. Atapattu, S., Chan, S., Cuervo, M., Santa Cruz L., Stewart E., Tecla A., Feldman, A., Abramov, Y., Barclay, N., Gealy, W., Gomez, M., Kimijima, M., & Kiss, L.

## **Special Undergraduate Programs**

Senior Honors Thesis Committee Member. Distler, B. C. (2025). *Hearing device use and classroom language outcomes in children with hearing loss* (Senior honors thesis). University of Miami.

Callas, C. (2023). Objective Measurement of Examiner and Child Vocalizations During Language Assessment. Senior Honors Thesis.

Huang, E. & Mojica Vazquez, L. (2023). Objective Behavioral Classification and Characterization of Autism Spectrum Disorder in Naturalistic Settings with Machine Learning. REU (Research Experience for Undergraduates), NSF.

Nestor Orozco-Llamas. (2021). Denoising RFID Location Recordings Using Kalman Filters. REU (Research Experience for Undergraduates) Fellow, NSF. Invited poster presentation at the annual conference for the Council of Undergraduate Research.

Christian Jerry (2021). Language During COVID-19: The Effects Of Masks On Preschoolers' Proximity & Vocalizations. Founding Generation Summer Internship. International Conference on Infant Studies.

Emilin Mathew (2020-2021). Objective Vocal and Movement Quantification for Characterizing Autism Severity.

- First Place Award at Regeneron International Science and Engineering Fair (ISEF) for Best in Behavioral and Social Sciences. 2nd Place American Psychological Association Award at ISEF.

- Honorable Mention from the American Statistical Association in Statistics and Data Science at ISEF.

- Grand Place Award, First Place, and Nelson Ying Scholar at Florida State Science and Engineering Fair.

Emma Jaisle Mackenzie (2019). Senior's Honor Thesis. Individual Differences in Neonatal Imitation: Do babies consistently imitate?

Tiffany Pomares (2016). Senior Honors Thesis. Observed Presentation Anxiety in Adolescents with and Without Autism Spectrum Disorder.

Michelle Shlafshiteyn (2015). Senior Honors Thesis. Presentation Anxiety in Adolescents with High-Functioning Autism: A Novel Analytic Approach.

Lissa Mandell (2015). PRIME Poster. Objective measurement of head tracking in autism.

Lissa Mandell (2014). PRIME/JUMPSTART Poster. Infant Emotional Valence: Reliability of Non-Expert Ratings.

Dina R Dajani. (2014). Senior Honors Thesis (reader). Qualitative aspects of a peer interaction in higher functioning children and adolescents with autism and their typically developing peers.

Katherine Zambrana (2013). Senior Honors Thesis (reader). The relationship between the dimensions of family involvement and peer social competence in low income preschool children.

Rosmary Ros (2012). Senior Honors Thesis/PRIME. Early Smiling Interactions and Autism Risk.

Michael Dornbusch (2010). NSF Summer Program Participant.

Calesa Dennis (2009). NSF Summer Program Participant. Discipline Techniques in Parents of Children at Risk for an Autism Spectrum Disorder.

Cristina Calderon (2009). PRIME Poster. Measuring Infant Smiles with Computer Vision.

Stephanie Beckel (2007). Senior Honors Thesis. Continuous Measurement of Perceived Emotion in Infants At-Risk for Autism.

Mark Sheskin (2007). Senior Honors Thesis. Facial Actions and Intensification of Ratings of Emotion

Stephanie Beckel (2007). PRIME Poster. Reliability of Continuous Measurement of Perceived Emotion.

Mark Sheskin (2006). PRIME Poster. The Relationship Between Infant Gaze and Perceived Emotion of Parent and Infant During the Face-to-Face/Still-Face Protocol.

Ryan Brewster (2006). PRIME Poster. Examination of Positive Infant Expression using Automated Facial Analysis (AFA4).

Brittany Lambert. Gaze Patterns of Infant Siblings of Children with Autism Spectrum Disorder.

Brittany Lambert (2006). PRIME Poster. Gaze patterns of infants at-risk for Autism Spectrum Disorders (ASD).

Christina Fernandez (2006). PRIME Poster. Temperamental Differences Between Autism Spectrum Disorder (ASD) and Typically Developing (TD) Siblings.

Mark Cusick (2006). Senior Honors Thesis. The Relationship Between Parent Reports of Infant Temperament and Objective Coding of Infant Emotion.

Jessica Linick (2005). Senior Thesis. Parent Ratings of Infant Emotional Expressivity.

Mark Cusick (2005). PRIME Poster. The Relationship Between Parent Reports of Infant Temperament and Objective Coding of Infant Emotion.

Jessica Linick (2005). PRIME Poster. Parent Ratings of Infant Emotional Expressivity.

Paige Mullar (2004). PRIME Poster. Undergraduate perception of infant smiles: Perceived emotional intensity in short video clips.

Jennifer Escobar (2003). PRIME Poster. Using automated measurements of mouth opening and smile strength to predict perceptions of positive emotion in infant smiles.

Anna Frusciante (2003). PRIME Poster. Anticipatory smiles: Predicting infant temperament and language/cognitive outcomes.

Rabiah Rashied (2003). Psychology Research Fair Poster. Adult perceptions of the intensity of positive infant emotions.

Kimberly Argetsinger (2002). PRIME Poster & Presentation. The relationship of cheek raising to perceived infant emotion.

Susan Acosta (2002). Psychology Research Fair Poster. The coordination of infant smiles and mother smiles.

Susan Acosta (2001). PRIME Poster & Presentation. The coordination of infant smiles and gazes at mother. Winner: Best Oral Presentation, University of Miami Undergraduate Conference, November, 2001.

Danielle Sanders (2001). PRIME Poster & Presentation. The perception of emotion in infant facial expressions: The presence of cheek-raising and mouth-opening in cry faces and smiles.

Genise Vertus (2000). PRIME Poster. The social play coding system: Measurement and assessment of the quality of caregiver-infant social play interaction.

Dione Brunson (2000). PRIME Poster. Factors influencing the perception of positive emotions in infant smiles.

Shereen Sattaur (1999). PRIME Poster. Adult judgments of the emotional intensity of infant facial expressions.

## **Training and Certifications**

2021	Participant, Groundwater Approach Training. Racial Equity Institute.
2020	Managing Bias and Diversity: Inclusion in the Modern Workplace University of Miami Training Modules
2018	Individualized Classroom Assessment Scoring System (inCLASS). Reliable coder.
2014	AFNI (Analysis of Functional NeuroImages) Bootcamp. University of Miami. Bob Cox and Ziad Saad, Instructors.
2012	Minnesota Training. Reliable Strange Situation coder (ABC).
1992	Facial Action Coding System (FACS). Reliable coder.

## **University of Miami Committee and Administrative Responsibilities**

2025-2026	Child Clinical Search Committee Member
2025-2026	Committee for the Promotion Review of Julia Dallman
2024-2025	Artificial Intelligence Search Committee, Co-Chair
2024-2025	Adult Division Search Committee
2023-2024	Cognitive Behavioral Neuroscience Division Search Committee
2023	Review Committee, Vice Provost for Research Computing and Data
2022-2023	Adult Division Search Committee
2019	Child Division Search Committee
2017-2021	Gail Ironson Student Speaker Series Coordinator, Child Division

2017 Co-Lead. Strategic Plan Workgroup: Re-imagining the College

2016 Reviewer, R01 Bootcamp Workshop, Office of the Vice Provost for Research,

2016 Reviewer, Research Council Provost Awards, Social Science Group

2015-2019 Chair, Ad-Hoc Committees to Review Faculty Tenure Progress (Simpson, E.)

2015-2020 Chair, Ad-Hoc Committees to Review Faculty Tenure Progress (Perry, L.)

2014-2020 Member of Ad-Hoc Committees to Review Faculty Tenure Progress (Uddin, L; Losin, L; Mcintosh, R.)

2012-2016 Distinguished Speakers Committee, Department of Psychology, University of Miami

2012-2017 Judge, Undergraduate Research, Creativity and Innovation Forum, University of Miami

2004-present Psychology Representative, Social and Behavioral Science Committee of the Institutional Review Board (IRB)

2004-2017 Member of Ad-Hoc Committees to Review Faculty Teaching

2011-2012 Subcommittee chair for Research Council Provost Awards, Social Science Group

2008-2012 Member of the Graduate Research Council, University of Miami.

2008-2010 Organizer, Child Division Brown Bag Speaker Series

2008-2010 Representative to the Graduate School, University of Miami, UM Fellows Selection Committee.

2007-08, '14-'15 Chair, Child Division Developmental Search Committee.

2007 Member, Child Division Clinical Faculty Search Committee.

2005, 2007 Member, Child Division Institute for Educational Science Faculty Search Committee.

2005, '07, 09 Member of the Adult Division Faculty Search Committee.

1999-2010 Chair, Subcommittee on Web page organization, Child Division, Department of Psychology.

2003-2005 Faculty Advisor, Student Campaign for Child Survival.

## **(Inter)National Consulting.**

2024-2027 Consultant. R15HD111877. The Role of Family Contextual Factors in the Development of Emotion Regulation in Young Children on the Autism Spectrum. PIs Kouros, C. & Ekas, N. \$391,233.

2024 - 2026 Going beyond description - A converging evidence approach to analyze the effect of caregivers on infant smiling behavior and development. (\$305,000). German Research Foundation (DFG). Role: Consultant.

- 2017-2018 Consultant. R15HD094279. Identifying longitudinal mechanisms linking the quality of family relationships and comorbid internalizing symptoms among children with autism spectrum disorder. PIs Kouros, C. & Ekas, N. \$370,710.
- 2016-2018 Consultant. R15HD087877. Arousal tendencies and individual differences in children with autism spectrum disorder. PI Baker, J. \$412,667.
- 2012-2018 Advisory Board Member, Autism Center, California State Fullerton.

## Research Dissemination

- Classroom behavior. **Ethical Innovation and the Physics of Social Behavior.** <https://idsc.miami.edu/magazine/fall-2025/ethical-innovation/> by Kimberly Bobson Feldman. IDSC Magazine. Fall 2025.
- Shape Bias and Cochlear Impantation 11/14/24. New study sheds light on language development in children with hearing loss <https://news.miami.edu/as/stories/2024/11/new-study-sheds-light-on-language-development-in-children-with-hearing-loss.html>. *Newswise*.
- Physics of Friendship 10/17/24. Kids go with the flow — Just like water vapour. Research Highlights. *Nature*, 634, p. 517. <https://www.nature.com/articles/d41586-024-03203-w>  
 10/3/2024. Identifying Phases in Low-Speed Human Movement. *Physics* 17, s111.  
 10/7/2024 <https://phys.org/news/2024-10-physicists-psychologists-track-social-phases.html>  
<https://physicsworld.com/a/study-finds-preschool-children-form-social-droplets-when-moving-around-the-classroom/>
- COVID 2021. News@TheU. Preschool classroom study sheds light on curtailing the pandemic. <https://news.miami.edu/stories/2021/08/preschool-classroom-study-sheds-light-on-curtailing-the-pandemic.html>.  
<https://www.wlrn.org/news/2021-09-20/university-of-miami-study-supports-covid-vaccines-reducing-class-sizes-to-slow-virus-spread>
2021. <https://news.miami.edu/stories/2021/09/psychologists-masks-do-not-impede-preschoolers-language-development.html>  
<https://www.hearingreview.com/inside-hearing/research/early>
- ASD 2021. Featured speaker. Addressing autism spectrum disorder Ibis Insights. Spotify. <https://open.spotify.com/episode/5RUFngnAvQE9X9PAN6Zn9c>
2021. Researchers Identify Autism in Very Young High-Risk Children. Autism Advocate Parenting Magazine.
- Researcher connections: Understanding a decade of collaborations in autism research. <https://www.spectrumnews.org/>

Autism and  
COVID19

U.S. News and World Report: <https://www.usnews.com/news/health-news/articles/2020-05-28/pandemic-can-overwhelm-those-with-autism> Healthday: <https://consumer.healthday.com/infectious-disease-information-21/coronavirus-1008/pandemic-can-overwhelm-those-with-autism-757921.html> Psych Central: <https://psychcentral.com/news/2020/05/23/meeting-the-needs-of-autistic-individuals-during-covid-19-pandemic/156729.html> Science Codex: <https://www.sciencecodex.com/overcoming-challenges-individuals-autism-during-covid-19-pandemic-647665>

<https://www.facebook.com/107124643386/videos/2670742526581982/>

2020  
Infant  
Smiling  
2020  
Attachment  
& Autism

<https://www.spectrumnews.org/news/infants-interactions-with-parents-may-predict-autism/>  
<https://www.openminds.com/market-intelligence/news/>  
<https://psychcentral.com/news/2020/03/15/high-risk-infants-with-insecure-attachment-at-greater-risk-for-autism/154964.html>  
<https://www.spectrumnews.org/news/infants-interactions-with-parents-may-predict-autism/>  
<https://news.miami.edu/stories/2020/03/university-of-miami-researchers-find-an-early-behavioral-marker-for-autism.html>  
<https://medicalxpress.com/news/2020-03-early-behavioral-marker-autism.html>

2018 Eye  
constriction

[http://www.as.miami.edu/news/news-archive/the-language-of-facial-expressions-.html?utm\\_source=ACAD-COMM&utm\\_medium=email&utm\\_campaign=Veritas&utm\\_term=veritas-headlines&utm\\_content=veritas-cas-facial-expressions](http://www.as.miami.edu/news/news-archive/the-language-of-facial-expressions-.html?utm_source=ACAD-COMM&utm_medium=email&utm_campaign=Veritas&utm_term=veritas-headlines&utm_content=veritas-cas-facial-expressions) <http://lfpres.com/news/local-news/eye-wrinkles-convey-emotional-sincerity-western-study-shows>  
<https://medicalxpress.com/news/2018-06-eyes-wrinkle-frown-sincere.html>  
<http://www.cbc.ca/news/canada/london/western-research-understanding-sincerity-1.4701322>  
<https://www.psychologytoday.com/ca/blog/the-athletes-way/201806/the-universal-language-facial-expressions>

2017  
Classroom

[https://issuu.com/umcas/docs/a\\_s\\_11.29.17\\_singles\\_online](https://issuu.com/umcas/docs/a_s_11.29.17_singles_online). Arts & Sciences. University of Miami, Fall 2017, "The Physics of Friendship," p. 23.

2016  
Empathy

[http://www.post-gazette.com/business/career-workplace/2016/07/11/Empathy-training-coursehelping-YMCA-executive-director-Aaron-Gibson-relate-better-to-employees/stories/20160710\\_0086](http://www.post-gazette.com/business/career-workplace/2016/07/11/Empathy-training-coursehelping-YMCA-executive-director-Aaron-Gibson-relate-better-to-employees/stories/20160710_0086)

2016  
Dopamine

[http://www.eurekaalert.org/pub\\_releases/2016-04/uom-ugl041216.php](http://www.eurekaalert.org/pub_releases/2016-04/uom-ugl041216.php)  
<http://medicalxpress.com/news/2016-04-psychology-dopamine-genes-early.html>  
<https://www.sciencedaily.com/releases/2016/04/160412134747.htm>

- 2015 Non-verbal communication
- <http://www.stateofmind.it/2015/12/comunicazione-emozioni-messenger/>
- 2015 Infant Smiling Goals
- [http://www.science20.com/news\\_articles/babies\\_time\\_their\\_smiles\\_to\\_make\\_their\\_moms\\_smile\\_in\\_return-157265](http://www.science20.com/news_articles/babies_time_their_smiles_to_make_their_moms_smile_in_return-157265) [https://urldefense.proofpoint.com/v2/url?u=http-3A-www.wsj.com\\_articles\\_what-2Dyour-2Dbabys-2Dsmile-2Dcan-2Dtell-2Dyou-2Dabout-2Dher-2Ddevelopment-2D1448303794-3Fal\\_g-3Dy&d=CwIBaQ&c=y2w-uYmhgFWijp\\_IQN0DhA&r=pVIJeOv4e5f1vtbIeKafE0ILauGB\\_BML5imdvmKNprwM&m=hjLgHkYAj7x1LIPVznxT6XLdP3IJ0mFIWRAuhLmHWRU&s=EbGLkwULFNC045a0208qkzQs2t-QWsOaSrvOYAA7DAE&c=](https://urldefense.proofpoint.com/v2/url?u=http-3A-www.wsj.com_articles_what-2Dyour-2Dbabys-2Dsmile-2Dcan-2Dtell-2Dyou-2Dabout-2Dher-2Ddevelopment-2D1448303794-3Fal_g-3Dy&d=CwIBaQ&c=y2w-uYmhgFWijp_IQN0DhA&r=pVIJeOv4e5f1vtbIeKafE0ILauGB_BML5imdvmKNprwM&m=hjLgHkYAj7x1LIPVznxT6XLdP3IJ0mFIWRAuhLmHWRU&s=EbGLkwULFNC045a0208qkzQs2t-QWsOaSrvOYAA7DAE&c=)
- <http://www.today.com/video/the-real-reason-babies-smile-is-531445315725>
- <http://www.sandiegouniontribune.com/news/2015/sep/25/ucsd-baby-smile-robot-study-creepy/>
- <http://www.dailymail.co.uk/sciencetech/article-3249594/Watch-terrifying-babybot-Creepy-robot-helps-reveal-infants-time-smiles-make-mums-smile-return.html>
- <http://nymag.com/thecut/2015/09/this-creepy-robot-baby-will-force-you-to-smile.html#>
- <https://www.yahoo.com/parenting/researchers-say-they-know-why-babies-smile-180324693.html>
- <http://health.usnews.com/health-news/health-wellness/articles/2015/09/25/why-do-babies-smile>
- [http://www.huffingtonpost.com/entry/robotic-baby-infants-moms\\_56041996e4b0fde8b0d18334](http://www.huffingtonpost.com/entry/robotic-baby-infants-moms_56041996e4b0fde8b0d18334)
- <http://www.nydailynews.com/news/national/robo-baby-proves-theory-babies-manipulate-parents-article-1.2373986>
- <http://www.gizmag.com/robot-baby-smiles/39567/> <http://blogs.voanews.com/science-world/2015/09/24/babies-smile-to-make-you-smile-back/>
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- 2009 Quoted expert in, "Robot Teaches Itself to Smile," Wired, <http://www.wired.com/wiredscience/2009/07/robotsmile/>
- 2009 Abstracted article in Infants to adolescents: Research update, 10 (3), "Engaging Smiles." Beverly J. Roder & Mabel L. Sgan, Eds.
- 2009 Newsbriefs: Three professors win prominent awards. In Arts & Sciences, University of Miami, Spring, p. 4.
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- 2008 Featured expert on infant smiling interviewed for article in Fit Pregnancy.
- 2007 Panelist, "Autism's Alarming Rates" on WPBT's ISSUES hosted by Helen Ferré.
- 2007 Featured expert in "[Smile, Baby! The evolution of the grin](#)," in Today's Parent Magazine (1/11/2007).
- 2006 Featured speaker. Miami Dade Walk Kick-off Luncheon. Walk for Autism Research. Autism Speaks.
- 2003, 2004 "Prenatal drug abuse and emotional development. Career Day Speaker, Riviera Preparatory School.
- 2004 Research reviewed in The Parent Review: Bridging Science and Parenting, Vol 1(2), p. 4.
- 2002 Quoted expert in "Put on a Happy Face" Parents (August, 2002, pp. 157-158), by Denise Porretto.
- 2000 Quoted expert in 'Self-Discovery: The major milestones on a baby's path to understanding himself and the world around him' Parenting Magazine (May, 2000, pp. 110-113), by Grace Bennet.
- 2000 "When we smile." Invited presentation to Fairglade Elementary School.

## Community Volunteering

- 2017 March for Science Miami. Local organizer and Department of Psychology Representative.

2003-2018 Annual Hazon NY Jewish Environmental Bike Ride  
2004-2005 Fairglade School Inc., Board Member  
2002 Miami-Dade Human Rights Initiative Poll-Worker  
2001 Montreal to Maine. AIDS Vaccine Ride participant.  
2000 Boston to New York 6. AIDS Ride participant.

## **Languages**

Italian (fluent) and Spanish (basic communicative competence).