

Sara Nozadi, PhD

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EDUCATION

Ph.D. , Human Development with Specialization in Measurement and Statistics, Arizona State University	2011-2014
Dissertation: Selective attention towards negative emotions: Relations to young children's temperament and social functioning	
MA , Human Development, Arizona State University	2008-2011
Thesis: Early predictors of variations in children's emotion understanding: Relations with children's disruptive behaviors	
BA , Psychology – San Francisco State University, San Francisco	2005-2008
Honors thesis: Acculturation, emotional expressivity, social support and psychological symptoms among emerging adults	

RESEARCH POSITIONS

Research Assistant Professor , College of Pharmacy, Health Sciences Center, University of New Mexico	2020-Present
Postdoctoral Research Fellow , College of Pharmacy, Health Sciences Center, University of New Mexico	2017-2019
Visiting Scholar , The Mind Research Network, Albuquerque, NM	2016-2017
Postdoctoral Research Fellow , Human Development and Quantitative Methodology, University of Maryland	2015-2016
Research Associate , Human Development, Arizona State University	2013-2015
Research Intern , Psychology, University of California-Los Angeles	2008-2010
Research Assistant , Psychology, Arizona State University	2008-2010
Research Assistant , Psychology, San Francisco State University	2006-2008

PUBLICATIONS

Schantz, S. L., Eskenazi, B., Buckley, J. P., Braun, M. J., Spowles, N. J., Bennett, H. D., Cordero, J., Frazier, J., Lewis, J., Hertz-Picciotto, I., Lyall, K., Nozadi, S. S., Sagiv, S., Strousstrup, A., Volk, H., Watkins, D. & ECHO program collaborators (In press). A framework for assessing the impact of chemical exposures on neurodevelopment in ECHO: Opportunities and challenges. *Environmental Research*.

Bush, N., Wakschlag, L. S., LeWinn, K., Hertz-Picciotto, I., Nozadi, S. S., Lewis, J., Biezonski, D., Blair, C., Deardorff, J., Neiderhiser, J., & Posner, J. (accepted). Family environment, neurodevelopmental risk, and the Environmental Children's Health Outcomes (ECHO) initiative: Looking back and moving forward. *Frontiers in Child and Adolescent Psychiatry*.

Nozadi, S. S., Henderson, H., Degnan, K. A., & Fox, N. A. (2019). Longitudinal patterns of anger reactivity and risk-taking: The role of peer-context. *Social Development*. doi: 10.1111/sode.12412

Nozadi, S. S., Li, L., Clifford, J., Du, R., Murphy, K., Chen, L., Navajo Birth Cohort Study Team, Seanez, P., Burnette, C., MacKenzie, D., & Lewis, J. (2019). Utility of Ages and Stages Questionnaire (ASQ) for

neurodevelopmental screening of Navajo children. *Child: Care, Health and Development*, 45, 709-718. doi: 10.1111/cch.12704

Nozadi, S. S., White, T. L., Degnan, K. A., & Fox, N. A. (2018). Relations between behavioral inhibition and longitudinal patterns of social information processing: Moderating role of parents' supportive reactions to children's negative emotions. *Social Development*, 27. doi: 10.1111/sode.12286

Nozadi, S. S., Spinrad, T. L., Johnson, S. P. & Eisenberg, N. (2017). Relations of emotion-related temperamental characteristics to attentional biases and social functioning. *Emotion*. doi: 10.1037/emo0000360. PMID: 28872340.

Nozadi, S. S., Troller-Renfree, S., White, L., Frenkel, T., Degnan, K. A., Henderson, H., A., Bar-Haim, Y., Pine, D. S., & Fox, N. A. (2016). The moderating role of attention biases to threat on the link between behavioral inhibition and anxiety in children. *Journal of Experimental Psychopathology*, 7, 451-465.

Nozadi, S. S., Spinrad, T. L., Eisenberg, N., & Eggum-Wilkens, N. D. (2015). Associations of anger and fear to later self-regulation and problem behavior problems. *Applied Developmental Psychology*, 38, 60-69.

Nozadi, S. S., Spinrad, T. L., Eisenberg, N., Bolnick, R., Eggum, N. D., Smith, C. L., Gaertner, B. M., Kupfer, A. S., & Sallquist, J. (2013). Prediction of toddlers' expressive language from maternal sensitivity and toddlers' anger and sadness: A longitudinal study. *Infant Behavior and Development*, 36, 650-661.

Manuscripts Under Review/In-Progress

Nozadi, S. S., Li, L., Du, R., Hoover, J., Luo, L., MacKenzie, D., Erdei, E., Navajo Birth Cohort Study Team, Burnette, C., & Lewis, J. (under review). Prenatal exposure to metals and children's developmental outcomes during first year of life.

Nozadi, S. S., Li, L., Luo, L., Du, R. Navajo Birth Cohort Study Team, & Lewis, J. (under review). Understanding mechanisms explaining the associations between early environmental exposures and infants' neurodevelopmental outcomes in a sample of Navajo children: Roles of prenatal stress and home environment quality.

Du, R., Luo, L., Hudson, L., Nozadi, S. S., & Lewis, J. (under review). An adjusted partial least squares regression for metal mixture data analysis in utilizing additional information.

Cross-cultural applicability of eye tracking in studying attention biases (in prep). Nozadi, S. S., Aguiar, A. Du, R., Enright, E. A., Miller, C., Rennie, B., Quetawki, M., NBCS/ECHO study team, Lewis, J.

CONFERENCES AND PRESENTATIONS

Sessions Organized for National Professional Meetings

Lewis, J., Nozadi, S. S., Margolis, A. (March 2019). Session title: The Effects of Environmental Toxicity on Neurodevelopmental Outcomes Across Infancy and Early Childhood. Paper Discussion Symposium Co-Chair at the 2019 Society for Research in Child Development. Washington, D.C.

- Nozadi, S. S., Rennie, B. Li, Li., Ozechowski, T., Du, R., Hoover, J., Navajo Birth Cohort Study team Lewis, J. L. (2019). Associations between metal exposure and infants' developmental growth across 2 and 12 months.
- Margolis, A., E., Pagliaccio, D., Banker, S., Water, E. D., Bonilla, A., Sjodin, A.,Horton, M. (2019). Parental Polybrominated Diphenyl Ether (PBDE) concentrations and global efficiency of the reading network in a community sample of 5-year old children.
- Zimmerman, E., Watkins, D., Hines, M., Alvarado, G. H., Pabon, Z. R., Manjourides, ... Alshwabekah, A. (2019). An examination of non-nutritive suck in relation to prenatal environmental exposure and subsequent neurodevelopment.

Nozadi, S. S. (June 2020). Session title: Understanding Pathways to Health Disparity for Native American Families and Children Through Community-engaged Research. Paper Symposium Chair at The SPSS (Society for the Psychological Study of Social Issues), Denver, Colorado.

- Geib, E. First Look at Developmental Profiles in Young Children Enrolled in NBCS/ECHO.
- Nozadi, S. S. (2020). Use of Eye-tracking to Study Socioemotional Functioning in a Sample of Navajo Children.
- Erdei, E. Adding Mental Health Outcomes and Socioeconomic Information to Exposure Assessment a Pilot Study among Cheyenne River Sioux Tribal Members.

Sessions Organized for Southwest Regional Meetings

Nozadi, S. S. (August 2019). Session title: Environmental Influences and Infants' Developmental Outcomes across the First Year of life In a Navajo Population. Session Organizer at First Things First Early Childhood Summit. Phoenix, AZ.

- Nozadi, S. S. (2019). Associations between metal exposure and infants' developmental growth across the first year of life.
- Welch, M. (2019). Overview of Navajo Birth Cohort Study (NBCS) and challenges encountered in community-engaged research and data collection.

Invited Presentations

Nozadi, S., S., Du, R., Quetawki, M., Rennie, B., Geib, E., Bishop, S., Leventhal, B., Kim, Y., MacKenzie, D., & Lewis, J. (October 2019). Attentional mechanisms underlying information processing in a sample of Navajo children. Invited poster presentation: Environmental Influences on Child Outcomes (ECHO) Steering Committee Face-to- Face meeting. Washington, D.C.

Nozadi, S., S. (April 2018). Attentional mechanisms underlying information processing in a sample of Navajo children. Invited flash talk: Environmental Influences on Child Outcomes (ECHO) Face-to- Face meeting. Washington, D.C.

Nozadi, S. S. (September 2017). Relations of Emotion-Related Temperamental Characteristics to Attentional Biases and Social Functioning. Linguistic Colloquium, Department of Linguistics, University of New Mexico. Albuquerque, NM.

Conference Papers and Poster Presentations

Nozadi, S. S., Li, L., Du, R., Hoover, J., MacKenzie, D., & Lewis, J. (2019). Associations between prenatal metal exposure and Navajo infants' neurodevelopmental outcomes in Navajo Birth Cohort Study. Poster presented at the 2019 UNM Comprehensive Cancer Center Research Day. University of New Mexico, NM.

Nozadi, S. S., Du, R., Quetawki, M., Rennie, B., Geib, E., Bishop, S., Leventhal, B., Kim, Y., MacKenzie, D., & Lewis, J. (2019). Social cognitive processes in a sample of Navajo children: An eye tracking study. Paper presented at the Navajo Nation Research Conference, Window Rock, AZ.

Du, R., Nozadi, S. S. (2019). Effects of high levels of copper and zinc deficiency in pregnancy on Navajo children's development. Paper presented at the Navajo Nation Research Conference, Window Rock, AZ.

Nozadi, S. S. (September 2019). Social cognitive processes in a sample of Navajo children: An eye tracking study. Paper presented at the 4th annual meeting US-DOHaD. Chapel Hill, NC.

Roman, C. W., Hoover, J., Nozadi, S., Erdei, E., Ong, J., Luo, L., Pacheco, B., Cajero, M., Chavez, C., Miller, C., O'Donald, E., Shuey, C., MacKenzie, D., Lewis, J. & the NBCS/ECHO team (April 2019). Metals Exposure Assessment in the NBCS/ECHO cohort. UNM College of Pharmacy Research Day, University of New Mexico, NM.

Nozadi, S. S., Clifford, J., Murphy, K., Hoover, J., Thompson, R., Seanez, P., Lewis (2017). *Examining norms of an early developmental screening tool in Navajo children*. Poster presented at the Southwest Conference on Disability, Albuquerque, NM.

Nozadi, S. S., Clifford, J., Murphy, K., Hoover, J., Thompson, R., Seanez, P., Lewis (2017). *Utility of Ages and Stages Questionnaire (ASQ) for neurodevelopmental screening of Navajo children*. Paper presented at the Navajo Nation Research Conference, Window Rock, AZ.

Nozadi, S. S., Usher, L., Burrows, C., Dajani, D., Henderson, H., & Fox, N. (2017). Relations of Early Behavioral Inhibition and Social Ease during preadolescence: Moderating Role of External Attribution. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, Texas.

Nozadi, S. S., Degnan, K., Henderson, H. A., & Fox, N. A. (2017). Relations of Anger Reactivity during Infancy and Later Social Competence: Moderating Role of Positive Attention Biases. Paper presented at the biennial meeting of the Society for Research in Child Development, Austin, Texas.

Degnan, K., Nozadi, S. S., Lahat, A., & Fox, N. A. (2017). Risk-Taking Propensity in the Context of Peers: Internal and External Influences. Paper presented at the biennial meeting of the Society for Research in Child Development, Austin, Texas.

White, L. K., Barrios, C., Nozadi, S. S., Pine, D. S., & Fox, N. A. (April, 2016). *Child Anxiety, mothers, and the acquisition of social information processing biases*. Poster presented at the Anxiety and Depression Association of America, Philadelphia, PA.

Nozadi, S. S., Spinrad, T. L., Eisenberg, N., Eggum, N. D., Huerta, S., Edwards, A., Sulik, M., & Sallquist, J. (2012, June). *Contributions of toddlers' anger and fear reactivity to later cognitive planning Abilities*. Poster presented at the biennial meeting of the International Conference on Infant Studies, Minneapolis, MN.

Nozadi, S. S., Spinrad, T. L., Eisenberg, N., Silva, K. M., Eggum, N. D., Kupfer, A., & Edwards, A. (2011, April). *Children's emotion perception skills: The roles of parenting behaviors and child negative emotionality*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Silva, K. M., Spinrad, T. L., Eisenberg, N., Edwards, A., Eggum, N. D., Sallquist, J., Nozadi, S. S., & Kupfer, A. (2011, April). *Effortful control and emotion understanding: Examining transactional paths in early childhood*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Nozadi, S. S., & Cookston, J. T. (2008, May). Family routines, parental acceptance, parent-child communication and behavior problems in a sample of divorcing families. Poster presented at the Society for Prevention Research, San Francisco, CA.

Nozadi, S. S., & Cookston, J. T. (2008, March). Family routines, parental acceptance, parent-child communication and behavior problems in a sample of divorcing families. Oral presentation at the National Institute of Mental Health COR Colloquium, NM.

Nozadi, S. S., & Muzik, M. (2007, July). Maternal posttraumatic stress disorder, depression and Infants' emotional responses to maternal non-contingent behavior. Poster presentation at CIC/SROP Conference at Purdue University, West Lafayette, IN.

GRANTS AND FELLOWSHIPS

Awarded

Lewis, J. & MacKenzie, D. (PIs). COVID-19 Supplement – Understanding Risk Gradients. National Institute of Health, the Environmental Influences on Child Outcomes (ECHO) (\$320,875.00) **2020 –2021**
Role: CO-I

Nozadi, S. S. (PI). Attentional mechanisms underlying information processing in a sample of Navajo children. Opportunity and Infrastructure Fund (OIF), funded through the Environmental Influences on Child Outcomes (ECHO) Coordinating Center (\$200,000) **2018-2020**

*Collaborating with three other universities: University of Illinois, Urbana-Champaign, Beckman Institute of Advanced Science and Technology, Icahn School of Medicine at Mount Sinai, and New York University, School of Medicine

Nozadi, S. S. (PI). Temperament and Attention Biases in AT- Risk Children. Graduate and Professional Student Association Intramural Research Grant, Arizona State University (\$2,000) **2013**

Intensive Summer Interdisciplinary Experience Graduate Fellowship (ISIE), Arizona State University (\$4,700) **2013**

The National Institute of Mental Health (NIMH) Career Opportunities in Research (COR) Training Fellowship (\$21,912) **2006-2008**

Submitted (Not funded)

Nozadi, S. S. (PI). Relations of Temperament, Attentional Biases, and Symptoms of Internalizing Behavior Problems in Non-Clinical Preschoolers. National Institute of Child Development Ruth L. Kirschstein NRSA Predoctoral Training Fellowship (F31) **2012**

HONORS AND AWARDS

Society for Research in Child Development (SRCD) travel grant **2017**

Graduate and Professional Student Association Intramural Research Grant, Arizona State University **2013**

Travel Grant, Division of Graduate Studies, Arizona State University **2011**

Best Poster Award, Western Psychological Association **2008**

Summer Research Opportunity Program (SROP), University of Michigan **2007**

QUANTITATIVE TRAINING

Statistical analyses training: Longitudinal structural equation modeling (e.g., latent growth modeling, mixture modeling), multilevel modeling, analysis of variance, logistic and linear regression, factor analysis, mediation and moderation analysis, multivariate data analysis

Statistical software: SPSS, Mplus, R,

SPECIALIZED TRAINING

Eye-tracking data collection and analysis

Received extensive training at the University of California, Los Angeles (UCLA) on the use of eye-tracking technology and related data processing and analyses, and designed two studies to collect eye-tracking data cross two different sites

Positive Indian Parenting (PIP)

Completed a 4-day training and certification (December 7-10, 2020) to deliver a 8-10 week parenting curriculum, focused on traditional and cultural Native American child-reading and parenting practices. The curriculum has been developed and was offered by the National Indian Child Welfare Act (NICWA) training institute.

MENTORING EXPERIENCE

Undergraduate Research Pipeline, Summer 2020, Health Sciences Center, College of Pharmacy, University of New Mexico, Albuquerque, New Mexico

- Kaelin Jeong Gagnon

Child Development Laboratory Summer 2013 Internship Program, Human Development and Quantitative Methodology, University of Maryland Department, College Park

- Lauren Elizabeth Skorb (Senior Consult Data and Analytic at EY)
- Carmen Brown (PhD candidate at the University of Alabama, psychology department)
- Deborah Seok (Senior research associate at Child trends)
- Allegra Wilson

Supervised Research Experience course (FAS 390/499), Human Development Department, Arizona State University. The course involved hands-on experience in eye-tracking data collection and analysis, behavioral coding of observational tasks, and writing manuscripts.

- Ashwini Dhas (Spring 2013-Fall 2013)
- Jennifer Jones (Spring 2013)
- Gia Caccavale (Spring 2013)
- Kaleigh Middaugh (Spring 2013)
- Leslie Ibarra (Summer 2013)

TEACHING EXPERIENCE

Adjunct professor, Parent-Child Interactions (FS 312), Family and Child Studies program University of New Mexico **Spring 2017**

Adjunct professor, Infant Growth and Development (FS 202) and Parent-Child Interactions (FS 312), Family and Child Studies program, University of New Mexico **September 2016**

Instructor, Research Methods (FAS 361), School of Social and Family Dynamics, Arizona State University **September 2016**

Instructor, Research Methods (FAS 361, online course), School of Social and Family Dynamics, Arizona State University **June 2016**

Instructor, Personal Growth (FAS 101), School of Social and Family Dynamics, Arizona State University **September 2012**

Teaching Assistant for Graduate level course, Family and Social Policy (FAS/SOC 598) and Research Methods (FAS 500), School of Social and Family Dynamics, Arizona State University **September 2011**

PROFESSIONAL DEVELOPMENT ACTIVITIES

Introduction to Multi-Level Modeling Webinar, offered by Dan Bauer and Patrick Curran, Curran-Bauer Analytics, Durham, NC. **December 2020**

Mixture Modeling and Latent Class Analysis Webinar, offered by Dan Bauer and Patrick Curran, Curran-Bauer Analytics, Durham, NC. **December 2020**

SERVICES

Ad Hoc Reviewer

Journal of Behavior Therapy and experimental Psychiatry (2019)

Social Development (2015-presnet)

Psychiatry Research (2018)

Child Development (2017)

Experimental Child Psychology (2015)

Applied Developmental research (2014)

Reviewer, Society for Research in Child Development (SRCD) **2013**

Grant Reviewer, Graduate Research Association, Arizona State University **2011-2014**

Psi Chi Honors Society Officer, San Francisco State University **2007-2008**

PROFESSIONAL MEMBERSHIP

Society for Research in Child Development (SRCD)

International Society in Infant Studies (ICIS)

International Society for Developmental Origins of Health and Disease (DOHaD)