

Eunhyung Shin

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EDUCATION

- 2020 Ph.D. in Human Development
 Virginia Tech, Blacksburg, VA
- 2013 M.A. in Child and Family Studies
 Yonsei University, Seoul, South Korea
- 2010 B.A. in Child Welfare
 Minor in Journalism
 Chung-Ang University, Seoul, South Korea

RESEARCH EXPERIENCE

- 2022-present Assistant Research Professor
 Cognition, Affect, and Temperament Laboratory
 Department of Psychology
 The Pennsylvania State University, University Park, PA
- 2020-2022 Postdoctoral Associate
 Howell Maternal Influence on Neurodevelopment Laboratory
 Fralin Biomedical Research Institute at Virginia Tech Carilion, Roanoke, VA
- 2018-2020 Graduate Research Assistant
 Cognitive Developmental Science Laboratory
 Virginia Tech, Blacksburg, VA
- 2015-2020 Graduate Research Assistant
 Children's Emotions Laboratory
 Virginia Tech, Blacksburg, VA
- 2013-2014 Researcher
 Korea Institute of Child Care and Education
 Prime Minister's Office, Seoul, South Korea
- 2011-2013 Research Assistant
 Cognition · Behavior Laboratory
 Yonsei University, Seoul, South Korea

RESEARCH INTERESTS

- Bi-directional relation between child temperament and parenting behavior

- Maternal biological and behavioral influence on infant neurobehavioral development
- Emotional and social development in early childhood
- Determinants of parenting behavior
- Parenting intervention program
- Family factors influencing early childhood development
- Cultural influences in family interaction and outcomes for children

PUBLICATIONS & PRESENTATIONS

Peer-reviewed Journal Papers

- Han, D., & **Shin, E.** (2024). Parenting practices, mental health, and electronic nicotine delivery system uses in U.S. young adolescence: A longitudinal panel analysis of the population assessment of tobacco and health, 2013-2018. *Preventive Medicine*, 178, 107795. <https://doi.org/10.1016/j.ypmed.2023.107795>
- Shin, E.**, Smith, C. L., Devine, D., Day, K. L., & Dunsmore, J. C. (2023). Predicting preschool children's self-regulation from positive emotion: The moderating role of parents' positive emotion socialization. *Early Childhood Research Quarterly*, 62, 53-63. <https://doi.org/10.1016/j.ecresq.2022.07.011>
- Tan, L., **Shin, E.**, & Smith, C. L. (2023). Changes in children's anger, sadness, and persistence across goal blocking: Implications for self-regulation. *Child Development*, 94(2), 411-423. <https://doi.org/10.1111/cdev.13868>
- Shin, E.**, Choi, K., Resor, J. & Smith, C. L. (2021). Why do parents use screen media with toddlers? The role of child temperament and parenting stress in early screen time. *Infant Behavior and Development*, 64, 101595. <https://doi.org/10.1016/j.infbeh.2021.101595>
- Shin, E.**, Smith, C. L., & Howell, B. R. (2021). Advances in behavioral remote-data collection in the home setting: Assessing the mother-infant relationship and infant's adaptive behavior. *Frontiers in Psychology*, 12, 703822. <https://doi.org/10.3389/fpsyg.2021.703822>
- Choi, E., & **Shin, E.** (2015). Awareness of the parents in kindergarten and childcare center evaluation system. *Korean Journal of Child Care and Education Policy*, 24, 281-297.
- Kang, M., **Shin, E.**, & Kim, S. (2015). The trends of Korean adolescent's internet use research. *Korean Journal of Youth Studies*, 22, 95-145.
- Shin, E.**, Jung, A., & Kim, S. (2014). Association between child temperament and peer interactions: the mediating role of parenting stress of mothers. *Korean Journal of Human Development*, 21, 149-169.
- Shin, E.**, & Kang, M. (2014). The effect of sex, internal locus of control and empathy on children's conformity behavior in bullying. *Korean Journal of Youth Studies*, 21, 329-358.

Under Review & In Preparation

- Shin, E.**, & Smith, C. L. (under review). The role of maternal emotion socialization and children's empathy in bystander and defender behavior in bullying context. *Journal of Child and Family Studies*.
- Shin, E.**, Lytle, M. N., Zhou, A.M., LoBue, V., Buss, K. A., & Pérez-Edgar, K. (in

- preparation). The bidirectional associations between infant positive emotionality, maternal positive emotion, and physiological regulation across 18 months of life.
- Shin, E.**, Ostlund, B., LoBue, V., Buss, K. A., & Pérez-Edgar, K. (in preparation). Exploring the role of parenting stressors and neighborhood stressors in shaping brain function in early childhood
- Shin, E.**, & Pérez-Edgar, K. (in preparation). The neurodevelopmental pathways from temperamental fear to anxiety.
- Rocha-Hidalgo, J., Anaya, B., **Shin, E.**, LoBue, V., Buss, K. A., & Pérez-Edgar, K. (in preparation). Parent-infant telomere synchrony and infant socio-emotional development.
- Shin, E.**, & Howell, B. R. (in preparation). The transactional relations between infant temperament, maternal parenting behavior, and brain development.
- Choi, K., Kim, J., Yu, S., **Shin, E.**, & Smith, C. L. (in preparation). The role of media interactivity in associations among maternal media beliefs, parenting stress, and toddlers' screen use.

Governmental Research Report

- Shin, E.**, Krizova, K., & Michaels, M. (2017, May). *Poverty and low birth weight in relation to third grade reading and high school graduation rates for Virginia public schools*. Unpublished report, Virginia Tech, Blacksburg, VA.
- Choi, E., Choi, Y., Lee, K., & **Shin, E.** (Eds.). (2013). *Quality control methods for managing the 5-year-old Nuri Program*. Seoul, Korea: Korea Institute of Child Care and Education.

Presentations

- Shin, E.**, Lytle, M. N., Zhou, A.M., LoBue, V., Buss, K. A., & Pérez-Edgar, K. (2023, July). *The bidirectional associations between infant positive emotion, parent positive emotion, and respiratory sinus arrhythmia across 18 months of life*. Poster presented at the annual meeting of the International Society for Developmental Psychobiology, Utrecht, Netherlands.
- Shin, E.**, & Smith, C. L. (2023, March). *Bystanders in school bullying: The moderating effects of empathy on the relation of temperamental affiliation to bystander behavior*. Poster presented at the Society for Research in Child Development, Salt Lake City, UT.
- Gudal M., Choi, K., **Shin, E.**, Kim J., Yu S., & Smith, C. L. (2023, March). *Associations of Maternal Emotion Regulation and Mothers' and Toddlers' Screen Use*. Poster presented at the Society for Research in Child Development, Salt Lake City, UT.
- Shin, E.**, & Howell, B. R. (2022, September). Maternal trait anxiety and successful infant MRI during natural sleep. Poster presented at Annual Meeting of the Fetal, Infant & Toddler Neuroimaging Group, Paris, France
- Shin, E.**, & Howell, B. R. (2022, May). *Human data collection during COVID-19 pandemic*. Poster presented at Retreat of the Fralin Biomedical Research Institute at Virginia Tech Carilion, Hot Springs, VA.
- Shin, E.**, Howell, B. R., Lin, W., & Elison, J. (2021, November). *Early childhood insomnia: Anxiety in toddlers and mothers*. Poster presented at the International Society for Developmental Psychobiology, Chicago, IL.

- Shin, E.**, & Smith, C. L. (2021, April). *Cross-cultural Consideration of Children's Bystander Behavior in Bullying in the United States and South Korea*. Poster presented at the Society for Research in Child Development, Virtual.
- Choi, K., Kim, J., **Shin, E.**, & Smith, C. L. (2021, April). *Maternal media beliefs moderate the relation between parenting stress and toddlers' screen use*. Poster presented at the Society for Research in Child Development, Virtual.
- Ravindran N., Gao M., Giray C., Ku, S., & **Shin, E.** (2021, April). *International Students: How to Locate, Land, and Thrive in Postdoctoral Positions in the U.S.* Professional Development Session at the Society for Research in Child Development, Virtual.
- Beers, C. L., **Shin, E.**, Smith, C. L., Day, K. L., & Dunsmore, J. C. (2020, November). *A smile can go a long way: how children's temperament related to parental behaviors*. Poster presented at the Occasional Temperament Conference. Blacksburg, VA.
- Shin, E.**, Choi, K., Resor, J., & Smith, C. L. (2020, November). *Why do parents use screen media with their young children? The role of child temperament and parenting stress in early screen use*. In K. Choi (Chair), Temperament and Technology [Symposium]. 23rd Occasional Temperament Conference, Virtual.
- Shin, E.**, & Smith, C. L. (2019, November). *Maternal Positivity as a Mediator of the Relation of Mothers' Extraversion and Social Support to Child Emotion Regulation*. Poster presented at the National Council on Family Relations Annual Conference, Fort Worth, TX.
- Bell, M. A., Ashley, R. A., Zhou, Y., **Shin, E.**, Hernandez, E., Slough, M. A., Vlahcevic, K., Scarpa, A., Dunsmore, J. C., & Smith, C. L. (2019, September). *Infant frontal EEG asymmetry predicts toddler physiological and behavioral synchrony with mother during puzzle interaction task*. Poster presented at the Society for Psychophysiological Research, Washington D.C.
- Shin, E.**, Smith, C. L., Day, K. L., Neal, A., & Dunsmore, J. C. (2019, March). *Predicting preschool children's emotion regulation from child pleasure and parental emotion coaching*. Poster presented at the Society for Research in Child Development. Annual Conference, Baltimore, MD. *Nominated 2019 Student and Early Career Council Poster Competition*.
- Bell, M. A., Ashley, R. A., Zhou, Y., **Shin, E.**, Hernandez, E., Slough, M. A., Vlahcevic, K., Scarpa, A., Dunsmore, J. C., & Smith, C. L. (2018, November). *Second-by-second child front EEG asymmetry and child behavior predict maternal behavior during an interaction task*. Poster presented at the International Society for Developmental Psychobiology, Annual Conference, San Diego, CA.
- Shin, E.**, Tan, L., & Smith, C. L. (2018, August). *Maternal negative expressivity and children's aggression: The moderating role of child anger*. Poster presented at the American Psychology Association, Annual Conference, San Francisco, CA.
- Nelson, L., & **Shin, E.** (2017, November). *Parenting obstacles for women with a substance use disorder: Mothers and Service Providers' Perspectives*. the Advancing Human Condition Symposium at Virginia Tech, Virginia, VA.

- Shin, E.,** Tan, L., & Smith, C. L. (2017, April). *Intrusive parenting in early childhood: The moderating effect of child sadness*. Poster presented at the Society for Research in Child Development. Annual Conference, Austin, TX.
- Shin, E.,** Tan, L., & Smith, C. L. (2016, November). *Child temperament and maternal negative expressivity in predicting aggression in childhood*. Poster presented at the National Council on Family Relations Annual Conference, Minneapolis, MN.
- Shin, E.,** Tan, L., & Smith, C. L. (2016, October). *Temperament and emotion regulation in early childhood: moderating effect of parenting stress*. Poster presented at the Occasional Temperament Conference, Seattle, WA.
- Shin, E.,** Jeong, A., & Kim, S. (2015, November). *Association between child temperament and peer interactions: the mediating role of parenting stress of mothers*. Poster session presented at the Biennial Meeting of the National Council on Family Relations, Vancouver, Canada.
- Shin, E.,** & Kang, M. (2014, January). *The effect of sex, internal locus of control and empathy on Korean children's conformity behavior in bullying*. Poster session presented at the Biennial Meeting of the International Society for the Study of Behavioral Development, Shanghai, China.

Invited Presentations

Korea University, Department of Home Economics Education (2022, April)

Research Colloquium hosted by the department of home economics education, *Research method in infant neurobehavioral development study*. Seoul, Korea.

AWARDS & HONORS

2023	Teaching Faculty Advisory Committee Funding — \$709 The College of the Liberal Arts, Pennsylvania State University
2023	Individual Funding for Research Faculty — \$2,000 Department of Psychology, Pennsylvania State University
2022	Individual Funding for Research Faculty — \$2,500 Department of Psychology, Pennsylvania State University
2021	VT Open Access Subvention Fund — \$1,500 Virginia Tech
2019	Travel award — \$400 Department of Human Development and Family Science, Virginia Tech
2018	Travel Fund Program — \$400 Graduate Student Assembly, Virginia Tech
2017	Travel award — \$500 Department of Human Development and Family Science, Virginia Tech
2016	Travel award — \$350 Department of Human Development and Family Science, Virginia Tech
2015	Laura Jane Harper Scholarship — \$2,250 Department of Human Development and Family Science, Virginia Tech
2011	Graduate School Entrance Scholarship — \$3,000 Graduate school, Yonsei University, South Korea

GRANTS & FUNDING

Submitted

NIH Pathway to Independence Award (Parent K99/R00 Independent Clinical Trial Required)

Title: *Improving the well-being of the children: Targeted interventions to enhance synchrony in substance use disorder affected mother-infant dyads*

Role: PI

Awarded – Completed

University of Virginia/Virginia Tech (NIH CTSA Flow-thru; PI: Howell)
Integrated Translational Health Research Institute of Virginia (iTHRIV), Virginia Tech/UVA
Recruitment Enhancing Resource Program

Supporting resources for participants in a study of *Understanding prenatal exposures in neurodevelopment*

Role: Postdoctoral Fellow

Fralin Biomedical Research Institute at VTC, Virginia Tech (PI: Howell)
Research Start-Up Funds

The purpose of these funds is to set up the PI's laboratory and fund preliminary studies needed to be competitive for extramural research support

Role: Postdoctoral Fellow

Institute for Society, Culture, and Environment Unsolicited Grant, Virginia Tech
Project title: Child temperament and early screen time: the moderating role of parental stress

Role: Graduate Research Assistant

CERTIFICATIONS

2023	Certified Parent Coach Attachment and Biobehavioral Catch-up Intervention University of Delaware
2020	Educational Research Certification Virginia Tech
2019	Online Teacher Certification Virginia Tech
2014	Nursery Teacher Certification Ministry of Health, Welfare and Family Affairs, South Korea
2008	Teaching English to Speakers of Other Languages (TESOL) Certification TESOL Training International, San Diego, CA, United States

TEACHING EXPERIENCE

2017-2018	Instructor Human development (In class/Online) Virginia Tech
Fall 2017	Guest Lecturer

- Human development (Undergraduate level/ 80 students)
Virginia Tech
- Infant development (Undergraduate level/ 35 students)
Virginia Tech
- 2016-2017 **Teaching Assistant**
Human development
Virginia Tech
- 2012-2013 **Assistant Teacher**
Child Development Research Institute
Yonsei University, Seoul, South Korea

PROFESSIONAL EXPERIENCE

- 2010-2011 **Intern**
Business Planning Team in Cosmopolitan Korea, Hearst Joongang
Seoul, South Korea
- 2007-2008 **Intern**
Public Department, Media Art Center San Diego
San Diego, CA, United States

SERVICE & OUTREACH

- 2023-present Mentor, Korean Families Focus Group
National Council on Family Relations
- 2018-present Journal Reviews
Journal of Developmental Psychology, Frontiers in Psychology, Frontiers in Human Neuroscience, Journal of Child and Family Studies, Journal of Child Development
- 2021-present Advisory member, F.A.B.B. Roanoke
- 2021 Research Team, Roanoke Valley Collective Response
- 2018-2019 Vice President, Korean Group Basketball, Virginia Tech
- 2017 Volunteer translator, Children's Behavior Questionnaire (CBQ) Korean version of Very Short Form
- 2010 President, Traveling Club 'Youth hostel', Chung-Ang University, Seoul, South Korea

PROFESSIONAL MEMBERSHIPS

American Psychological Association
Society for Research in Child Development
International Society for Developmental Psychobiology
Fetal, Infant, & Toddler Neuroimaging Group