

Robin Sifre
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EDUCATION AND TRAINING

University of Minnesota Twin Cities

Institute of Child Development

Graduate Student; Advisors: Jed Elison and Dan Berry

M.A., Child Psychology

Ph.D. Candidate

2018
2016-present

Brown University, Providence, RI

GPA: 4.0/4.0, Magna Cum Laude

May 2014

FELLOWSHIPS, AWARDS, AND HONORS

University of Minnesota Doctoral Dissertation Fellowship	2020-2021
National Science Foundation Graduate Student Research Fellowship	2017-2020
University of Minnesota Autism Initiative Trainee Travel Award	2019
Graduate Students of Education and Human Development Professional Development Grant	2018
Graduate Students of Education and Human Development Travel Grant	2017
College of Education and Human Development Graduate Student Fellowship	2016
Rhodes Scholarship, Finalist	2015
Donald J. Cohen Fellowship in Developmental Social Neuroscience	2014-2016
Head Writing Fellow at Brown University	2013-2014

PUBLICATIONS

Sifre, R., Berry, D., Wolff, J., & Elison, J.T. (2021). Longitudinal change in restrictive and repetitive behaviors from 8-36 months. *Journal of Neurodevelopmental Disorders*.

Dejoseph, M., **Sifre, R.**, Raver, C., Blair, C., & Berry, D. (2021). Capturing environmental dimensions of adversity and resources in the context of poverty across infancy through early adolescence: A moderated nonlinear factor model. *Child Development*.

Stallworthy, I.*, **Sifre, R.***, Berry, D.*, Lasch, C., Smith, T., Berry, D., & Elison, J.T. (2020). The fractal organization of infants' gaze while viewing dynamic stimuli. *Scientific Reports*.

Sifre, R., Piven, J., & Elison, J.T. (2020). Brain and Behavioral Development in High-Risk Infants: Considering the Role of Sensorimotor, Attentional and Reward Networks. *Advances in Research on Infants with Autism Spectrum Disorder* (Eds. F. Volkmar & K. Chawarska).

Sifre, R., Olson, L., Klin, A., Jones, W., Gillespie, S., & Shultz, S. (2018). A Longitudinal Investigation of Preferential Attention to Biological Motion in 2 to 24 Month-Old Infants. *Scientific Reports*.

Sifre, R., Lasch, C., Fenoglio, A., Georgieff, M.K., Wolff, J.J., & Elison, J.T. (2018). Restricted and Repetitive Behaviors and Social Reciprocity in Toddlers Born Preterm. *Journal of Pediatrics*.

*Denotes equal first-author contributions.

SELECTED CONFERENCE PRESENTATIONS

Palmer, A., Leneman, K., DeJoseph, M., **Sifre, R.**, Blair, C., Berry, D. (2021). An aMNLFA Approach to Measurement Invariance of the Strength and Difficulties Questionnaire. Poster presentation at SRCD.

DeJoseph, M.L., **Sifre, R.**, Herzberg, M., Raver, C.C., Blair, C.B., Thomas, K.M., & Berry, D. (September 2020). Measurement matters: A method for capturing socioculturally- and developmentally-valid measures of children's early environments in high-dimensional datasets. Poster presentation at FLUX.

Sifre, R., Stallworthy, I., Lasch, C., Smith, T., Berry, D., & Elison, J.T. (May 2019). The fractal structure of gaze patterns for young children, and its relationship to visual social engagement. Poster presentation at the International Meeting for Autism Research: Montreal, Canada.

Stallworthy, I., **Sifre, R.**, Lasch, C., Elison, J.T., Smith, T., & Berry, D. (March 2019). The fractal structure of gaze patterns for young children watching naturalistic social stimuli. Poster presentation at the Society for Research on Child Development: Baltimore, MD.

Sifre, R., Lasch, C., Wolff, J.J., & Elison, J.T. (May 2017): Characterizing normative longitudinal trajectories of restricted and repetitive behaviors in infants, toddlers, and preschoolers. Poster presentation at International Congress on Infant Studies: Philadelphia, PA.

Sifre, R., Wolff, J.J., Doyle, C., Lasch, C., Teska, E.P., & Elison, J.T. (May 2017). Higher-order repetitive behaviors in toddlers born preterm. Poster presentation at the International Meeting for Autism Research: San Francisco, CA.

Sifre, R., Olson, L., Jones, W., Klin, A., & Shultz, S. (May, 2016). The development of preferential attention to biological motion in 2- to 24-month-old infants. Poster presentation at the International Congress on Infant Studies: New Orleans, LA.

Sifre, R., Jones, W., Klin, A., & Shultz, S. (May, 2016). Orienting response to social versus physical audiovisual synchrony does not differ in toddlers with ASD. Poster submission at the International Meeting For Autism Research: Baltimore, MD.

Sifre, R., Jones, W., Klin, A., & Shultz, S. (May, 2015). The role of audiovisual synchrony in modulating attention to biological motion in infancy. Poster Presentation at the International Meeting for Autism Research: Salt Lake City, UT.

Olson, L., **Sifre, R.**, Jones, W., Klin, A., & Shultz, S. (June, 2015). Development of preferential attention to biological motion and its role in autism spectrum disorders: A prospective longitudinal study. Poster presentation at Emory University and Children's Healthcare of Atlanta 2015 Pediatric Research Conference: Atlanta, GA.

PREVIOUS RESEARCH EXPERIENCE

Predoctoral Research Fellow, Emory University, Marcus Autism Center

July 2014-July 2016

Advisors: Ami Klin, Warren Jones, Sarah Shultz

Developmental Social Neuroscience Lab

- Social visual engagement in infants at-risk for autism, eye-tracking, attention to audiovisual synchrony

Research Assistant, Brown University

January – May 2014

Advisors: Dima Amso, Julie Markant

Developmental Cognitive Neuroscience Lab

- Visual selective attention, object learning and memory, infancy

Honors Thesis Student, Brown University

June 2013 – May 2014

Advisor: Fiery Cushman

Moral Psychology Research Lab

- Moral judgments and cognition, decision making

SELECTED SERVICE

Institute of Child Development, University of Minnesota Twin Cities

Graduate Student Representative

September 2019 – May 2020

University of Minnesota Autism Initiative

Trainee Representative

September 2019-May 2020

Community Outreach Program, Marcus Autism Center, Atlanta, Georgia

Science Communication and Outreach Organizer

March 2015-July 2017

Georgia Junior Science and Humanities Symposium

Advisor to 8th grade science fair projects

December 2014-July 2017

The Writing Fellows Program, Brown University, Providence, Rhode Island

Head Writing Fellow

September 2013-May 2014

PROFESSIONAL MEMBERSHIPS

International Society for Autism Research, *Student Member*

Society for Research in Child Development, *Student Member*

International Society for Infancy Research, *Student Member*

RESEARCH SKILLS

Software and Programming: Python, MATLAB, R Studio, R Markdown, Java, Microsoft Office Suite, Adobe Illustrator.

Methods: Experimental design, behavioral testing, eye-tracking, neuroimaging of infants.

Statistics: Longitudinal growth curve modelling, machine learning, detrended fluctuation analyses, time series analysis.

REFERENCES

Jed Elison, Ph.D.

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(612) 301-6272
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Daniel Berry, Ph.D.

Associate Professor, Institute of Child Development
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Ami Klin, Ph.D.

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