

# Robin Sifre

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## EDUCATION AND TRAINING

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### **University of Minnesota Twin Cities**

Institute of Child Development

Graduate Student; Advisors: Jed Elison and Dan Berry

M.A., Child Psychology

Ph.D. Student

2018  
2016-present

### **Brown University, Providence, RI**

GPA: 4.0/4.0, Magna Cum Laude

May 2014

### **Colgate University, Hamilton, NY**

GPA: 3.9/4.0

September 2010 – May 2012

## FELLOWSHIPS, AWARDS, AND HONORS

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National Science Foundation Graduate Student Research Fellowship 2017-2020

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

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**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*.

**Sifre, R.**, Piven, J., & Elison, J.T. (in press). 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).

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

**Sifre, R.**, Berry, D., Wolff, J., & Elison, J.T. (in prep). Longitudinal change in restrictive and repetitive behaviors in low-risk infants.

\*Denotes equal first-author contributions.

## SELECTED CONFERENCE PRESENTATIONS

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**Sifre, R.,** Stallworthy, S., Lasch, C., 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, S., **Sifre, R.,** Lasch, C., Elison, Lasch, C., 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

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***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

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**Institute of Child Development, University of Minnesota Twin Cities**

Graduate Student 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 8<sup>th</sup> grade science fair projects

December 2014-July 2017

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

Head Writing Fellow

September 2013-May 2014

**The Sidekicks Mentorship Program, Hamilton, New York**

Mentor to child with autism

Fall 2010-Spring 2012

## PROFESSIONAL MEMBERSHIPS

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International Society for Autism Research, *Student Member*

Society for Research in Child Development, *Student Member*

## RESEARCH SKILLS

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

*Methods:* Experimental design, behavioral testing, eye-tracking of infants, toddlers and adults with and without developmental disabilities, neuroimaging of infants.

*Statistics:* Longitudinal growth curve modelling, machine learning, detrended fluctuation analyses.

## REFERENCES

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Jed Elison, Ph.D.

McKnight Land-Grant Professor, Institute of Child Development  
(612) 301-6272  
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Daniel Berry, Ph.D.

Associate Professor, Institute of Child Development  
(612) 626-4126  
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Ami Klin, Ph.D.

Director, Marcus Autism Center, Children's Healthcare of Atlanta  
Professor and Chief of Division of Autism and Related Disorders, Department of Pediatrics, Emory University School of Medicine  
Core Faculty, Center for Translational Social Neuroscience, Emory University  
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Warren Jones, Ph.D.

Director of Research, Marcus Autism Center, Children's Healthcare of Atlanta  
Assistant Professor, Department of Pediatrics, Emory University School of Medicine  
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Sarah Shultz, Ph.D.

Co-Director Neuroimaging Core, Marcus Autism Center, Children's Healthcare of Atlanta  
Assistant Professor, Department of Pediatrics, Emory University School of Medicine  
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Julie Markant, Ph.D.

Assistant Professor, Department of Psychology, Tulane University  
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