

Educational & Professional History

Education

2017 – 2020 (expected)	Ph.D.	The University of Tennessee, Knoxville Major: Experimental Psychology, Cognitive & Developmental Science Concentration: Developmental Cognitive Neuroscience Mentor: Dr. Greg Reynolds Committee: Dr. Aaron Buss, Dr. Michael Olson, Dr. Caglar Tas, Dr. Harriet Bowden Dissertation: Neural correlates of subordinate-level categorization of other-race faces in infancy
2015 - 2017	M.A.	The University of Tennessee, Knoxville Major: Experimental Psychology, Cognitive & Developmental Science Minor: Statistics Concentration: Developmental Cognitive Neuroscience Mentor: Dr. Greg Reynolds Committee: Dr. Aaron Buss, Dr. Michael Olson, Dr. Caglar Tas Thesis: Intersensory redundancy and infant selective attention to audiovisual speech
2012 - 2015	B.A.	The University of Tennessee, Knoxville Major: Honors Concentration Psychology Chancellor's Honors Program Cum Laude Mentors: Dr. Patricia Roberson & Dr. Kristina Gordon, Clinical Psychology Thesis: Systematic review of literature concerning lesbian and gay work-life balance

Professional Development & Certifications

Sept 2019	P&G PhD FIRST	Focusing on Industrial Recruitment of Scientific Talent Conference
Aug 2019	NeuroComputation Workshop	Computational Methodologies for Neuroscience Data
July 2019	Human-Computer Interaction International Tutorial	Beyond Sketching Features: UI Design as Natural, Intuitive Human Conversation
July 2019	Human-Computer Interaction International Tutorial	Dashboard Design & Data Visualization
June 2019	Society for Neuroscience Virtual Conference	Machine Learning in Neuroscience: Fundamentals & Possibilities
June 2018	Google Analytics Individual Qualification (GAIQ)	
Dec 2016	CIRTL (Center for Integration of Research, Teaching, & Learning) Pedagogy Certification	Level 2 Practitioner: evidence-based teaching & learning through diversity
Aug 2014	CITI (Collaborative Institutional Training Initiative) Program Training	Responsible Conduct of Research; Social & Behavioral Research; Conflict of Interest

Professional Experience

2015 - Present	Graduate Research Assistant	Developmental Cognitive Neuroscience (DCN) Lab, Dr. Greg Reynolds
2015 - Present	Graduate Teaching Assistant	University of Tennessee, Knoxville
2015 - Present	Lab Manager	Developmental Cognitive Neuroscience (DCN) Lab, Dr. Greg Reynolds
2016	Graduate Teaching Assistant	Southeast University in Nanjing, China
2014 - 2015	Undergraduate Research Assistant	Gordon Couples Research Lab, Dr. Kristina Gordon
2014	Undergraduate Research Assistant	The Moore Lab, Dr. Todd Moore

Professional Affiliations

Neuroscience Network of East Tennessee (NeuroNET) Chapter of Society for Neuroscience (SfN)
 University of Tennessee Commission For Women in STEM (CFW STEM)
 International Society for Developmental Psychobiology (ISDP)
 The International Conference of Infant Studies (ICIS)
 Society for Research in Child Development (SRCD)
 Vision Sciences Society (VSS)

Professional Service

2019	Event Volunteer: International Society for Developmental Psychobiology (ISDP) Conference
2019	Event Volunteer: Human-Computer Interaction International (HCII) Conference
2019	Poster Judge: Exhibition of Undergraduate Research and Creative Achievement (EURECA) Conference
2018	Event Volunteer: International Society for Developmental Psychobiology (ISDP) Conference
2017	Event Volunteer: International Society for Developmental Psychobiology (ISDP) Conference
2017	Event Volunteer: Society for Research in Child Development (SRCD) Conference
2016	Event Volunteer: The International Conference of Infant Studies (ICIS) Conference
2015 - Present	Graduate Ambassador: University of Tennessee Child Development Research Group
2015 - Present	Student Member: University of Tennessee Psychology Graduate Student Association

Honors & Awards

2019	Women in STEM 1st Place Graduate Poster Presentation Award
2018	SfN (Society for Neuroscience) Chosen Poster for Special ISDP Crossover Poster Session
2018	University of Tennessee Psychology Graduate Student Association Travel Award
2017, 2018, 2019	International Society for Developmental Psychobiology Travel Award
2016, 2017, 2018, 2019	University of Tennessee Department of Psychology Presenting Author Travel Award
2016, 2017, 2018, 2019	NeuroNET (Neuroscience Network of East Tennessee) Travel Award
2015, 2016, 2017, 2018, 2019	University of Tennessee Graduate Student Senate Travel Award
2015, 2019, 2019	University of Tennessee Department of Psychology Travel Award

Graduate Teaching Assistant

Fall 2020	Child Psychology
Fall 2017 – Spring 2019	Child Psychology
Spring 2017	Statistics in Psychology
Fall 2016	Psychology of Religion
Summer 2016	Colloquial English & American Culture <i>at Southeast University in Nanjing, China</i>
Spring 2016	History & Systems of Psychology
Spring 2016	Psychological Research Methods
Fall 2015 – Fall 2016	Psychology of Gender
Fall 2015	Psychology of Gender Honors

Research

Funding

2019	University of Tennessee Department of Psychology Dissertation Support Grant	\$600
2018 - 2019	Penley-Thomas-Allen Graduate Fellowship for Dissertation Research	\$10,000
2017 - 2018	University of Tennessee Knoxville Chancellor's Fellowship	\$1,392
2016	CIE (Center for International Education) Scholarship for SEU-UT China trip	\$1,000
2016	Office of Research & Engagement SARIF (Scholarly and Research Incentive Fund) Assistantship	\$3,600
2012 - 2015	University of Tennessee Knoxville Volunteer Undergraduate Scholarship	\$12,000
2012 - 2015	Volunteer Honors Undergraduate Supplement	\$4,000
2012 - 2015	HOPE (Helping Outstanding Pupils Educationally) + GAMS (General Assembly Merit Scholarship)	\$20,000
2012	ACES (Anderson County Exemplary Student) Program Scholarship	\$500

Publications

- Roth, K.C.** & Reynolds, G.D. (in press). Attention in infancy: Behavioral and neural correlates. In *Encyclopedia of behavioral neuroscience (2nd ed.)*.
- Roth, K.C.**, Conte, S., Reynolds, G.D., & Richards, J.E. (2020). Attention and early brain development. In Tremblay R.E., Boivin M., Peters RDeV (Eds.) *Encyclopedia on early childhood development* [online]. <http://www.child-encyclopedia.com/brain/according-experts/attention-and-early-brain-development>. Updated September 2020.
- ManyBabies Consortium.** (2020). Quantifying sources of variability in infancy research using the infant-directed-speech preference. *Advances in methods and practices in psychological science*, 3(1), 24-52.
- Roth, K.C.** & Bilal, D. (2019). User-centered survey design: Considering group membership effects on survey responses. In *International Conference on Human-Computer Interaction*, 478-491. Springer, Cham.

- Dixon, K.C., Reynolds, G.D., Romano, A.C., **Roth, K.C.**, Stumpe, A.L., Guy, M.W., & Mosteller, S.M. (2019). Neural correlates of individuation and categorization of other-species faces in infancy. *Neuropsychologia*, 126, 27-35. doi:10.1016/j.neuropsychologia.2017.09.037
- Reynolds, G.D. & **Roth, K.C.** (2018). The development of attentional biases for faces in infancy: A developmental systems perspective. *Frontiers in Psychology*, 9, 222. doi:10.3389/fpsyg.2018.00222
- Roth, K.C.** & Roberson, P.N.E. (2017). Systematic review of literature concerning lesbian and gay work-life balance. *Bulletin of the British Psychological Society: Division of Occupational Psychology - Work-Life Balance Bulletin*, 1, 8-12.

Manuscripts in Preparation

*undergraduate mentee

- Roth, K.C.** & Reynolds, G.D. (in prep). Intersensory redundancy and selective attention to native and non-native audiovisual speech in 12-month-old infants.
- Roth, K.C.**, Grimes, E.K.*, & Reynolds, G.D. (in prep). The impact of race and affect on infant visual attention to faces.
- Romano, A.R., **Roth, K.C.**, & Reynolds, G.D. (in prep). Effects of two- and three-dimensional visual processing on 6-month-old infant attention and object recognition.
- Reynolds, G.D., Guy, M.W., Romano, A.R., & **Roth, K.C.** (in prep). The development of eye-movement control and individual differences in infant visual attention.

Conference Paper Presentations & Research Talks

- Roth, K.C.** (November, 2019). Neural correlates of subordinate-level categorization of other-race faces in infancy. Research talk given at the annual NeuroNET Chapter of the Society for Neuroscience Fall Retreat in Knoxville, TN.
- Roth, K.C.** & Bilal, D. (July, 2019). User-centered survey design: Considering group membership effects on survey responses. Paper presented at the Human-Computer Interaction International Conference, Orlando, FL.
- Roth, K.C.** (April, 2019). Can 10-month-old infants be trained to differentiate two other-races?. Research talk given at the NeuroNET Chapter of the Society for Neuroscience Spring Celebration in Knoxville, TN.
- Reynolds G.D., Bahrick, L.E., Lickliter, R., Todd, J.T, **Roth, K.C.**, & Chollman, W.J. (March, 2019). Infant selective attention and perceptual learning of multimodal face stimuli. Paper presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.
- Roth, K.C.** & Chollman, W.J. (February, 2019) Developmental Cognitive Neuroscience Lab: Selected Current Studies. Research talk given at the Cognitive, Developmental, Biological, and Neuroscience Brown Bag at the University of Tennessee, Knoxville, TN.
- Roth, K.C.** (November, 2018) Intersensory redundancy, selective attention, and neural correlates of perceptual processing in infancy. Research talk given at the NeuroNET Chapter of the Society for Neuroscience Fall Retreat in Knoxville, TN.
- Roth, K.C.** (April, 2018) Perceptual narrowing and infant attention to faces. Research talk given at the Cognitive, Developmental, Biological, and Neuroscience Brown Bag at the University of Tennessee, Knoxville, Tennessee.
- Roth, K.C.** (April, 2017) Intersensory redundancy and infant selective attention to audiovisual speech. Research talk given at the Cognitive, Developmental, Biological, and Neuroscience Brown Bag at the University of Tennessee, Knoxville, TN.

Conference Poster Presentations

*undergraduate mentee

2020

- Brock, J.T.*, Dance, J.H.*, Smith, R.L.*, **Roth, K.C.**, Chollman, W.J., & Reynolds, G.D. (April, 2020). Initial learning conditions affect other-species face processing in infancy. Poster presented at the Exhibition of Undergraduate Research and Creative Achievement (EURECA), Knoxville, Tennessee.

2019

- Roth, K.C.**, Chollman, W.J., Green, E.C.*, Smith, R.L.*, Mancilla, C.E.*, & Reynolds, G.D. (November, 2019). Neural correlates of subordinate-level categorization of other-race faces in infancy. Poster presented at the annual NeuroNET Chapter of the Society for Neuroscience Fall Retreat in Knoxville, TN.
- Chollman, W.J., **Roth, K.C.**, Shearon, J.E.*, Garrett, M.R.*, Pryor, C.O.*, & Reynolds, G.D. (November, 2019). The effects of initial learning conditions on other-species face processing in infancy. Poster presented at the annual NeuroNET Chapter of the Society for Neuroscience Fall Retreat in Knoxville, TN.
- Roth, K.C.**, Chollman, W.J., Green, E.C.*, Smith, R.L.*, Mancilla, C.E.*, & Reynolds, G.D. (October, 2019). Neural correlates of subordinate-level categorization of other-race faces in infancy. Poster presented at the annual meeting of the International Society for Developmental Psychobiology in Chicago, IL.
- Chollman, W.J., **Roth, K.C.**, Shearon, J.E.*, Garrett, M.R.*, Pryor, C.O.*, & Reynolds, G.D. (October, 2019). The effects of initial learning conditions on other-species face processing in infancy. Poster presented at the annual meeting of the International Society for Developmental Psychobiology in Chicago, IL.

- Roth, K.C.**, Grimes, E.K.*, Chollman, W.J., Shearon, J.*, Pryor, C.*, Green, E.C.*, & Reynolds, G.D. (May, 2019). The impact of race and affect on infant visual attention to faces. Poster presented at the annual meeting of the Vision Sciences Society in St. Pete Beach, FL.
- Chollman, W.J., **Roth, K.C.**, Grimes, E.K.*, Berosh, C.*, Bennett, M.A.*, Stover, M.*, & Reynolds, G.D. (April, 2019) Neural correlates of perceptual processing of spatially cued visual targets in infancy. Poster presented at the Psychology Department Spring Celebration in Knoxville, TN.
- Roth, K.C.**, Chollman, W.J., Miller, H.E., & Reynolds, G.D. (April, 2019). Intersensory redundancy, selective attention, and neural correlates of perceptual processing in infancy. Poster presented at the Psychology Department Spring Celebration in Knoxville, TN.
- Green, E.C.*, Shearon, J.E.*, Smith, R.L.*, **Roth, K.C.**, Chollman, W.J., & Reynolds, G.D. (April, 2019). The effects of static and dynamic visual stimuli on speech preference in infancy. Poster presented at the Exhibition of Undergraduate Research and Creative Achievement (EURECA), Knoxville, Tennessee.
- Grimes, E.K.*, Berosh, C.M.*, **Roth, K.C.**, Chollman, W.J., Miller, H.E. & Reynolds, G.D. (April, 2019). The impact of race and affect on infant visual attention to faces. Poster presented at the Exhibition of Undergraduate Research and Creative Achievement (EURECA), Knoxville, Tennessee.
- Garrett, M.R.*, Pryor, C.O.*, Mancilla, C.E.*, **Roth, K.C.**, Chollman, W.J., & Reynolds, G.D. (April, 2019). The effects of intersensory redundancy on infant attention to prosody in native and non-native speech. Poster presented at the Exhibition of Undergraduate Research and Creative Achievement (EURECA), Knoxville, Tennessee.
- Roth, K.C.**, Chollman, W.J., Miller, H.E., & Reynolds, G.D. (March, 2019) Intersensory redundancy, selective attention, and neural correlates of perceptual processing in infancy. Poster presented at the Women in STEM Research Symposium, Knoxville, Tennessee.
- Grimes, E.K.*, **Roth, K.C.**, & Reynolds, G.D. (March, 2019). The impact of race and affect on infant visual attention to faces. Poster presented at the Women in STEM Research Symposium, Knoxville, Tennessee.
- Miller, H.E., Chollman, W.J., Grimes, E.K.*, **Roth, K.C.**, Berosh, C.*, Bennett, M.A.*, Stover, M.*, & Reynolds, G.D. (March, 2019) Neural correlates of perceptual processing of spatially cued visual targets in infancy. Poster presented at the Women in STEM Research Symposium, Knoxville, Tennessee.
- Pryor, C.O.*, Garrett, M.R.*, Mancilla, C.E.*, **Roth, K.C.**, Chollman, W.J., & Reynolds, G.D. (March, 2019). The effects of intersensory redundancy on infant attention to prosody in native and non-native speech. Poster presented at the Women in STEM Research Symposium, Knoxville, Tennessee.
- Roth, K.C.**, Chollman, W.J., Miller, H.E., & Reynolds, G.D. (March, 2019) Intersensory redundancy, selective attention, and neural correlates of perceptual processing in infancy. Poster presented at the Women in STEM Research Symposium, Knoxville, Tennessee.
- Shearon, J.E.*, Smith, R.L.*, Green, E.C.*, **Roth, K.C.**, Chollman, W.J., & Reynolds, G.D. (March, 2019). The effects of static and dynamic visual stimuli on speech preference in infancy. Poster presented at the Women in STEM Research Symposium, Knoxville, Tennessee.
- Chollman, W.J., **Roth, K.C.**, Grimes, E.K.*, Berosh, C.*, Bennett, M.A.*, Stover, M.*, & Reynolds, G.D. (March, 2019) Neural correlates of perceptual processing of spatially cued visual targets in infancy. Poster presented at biennial meeting of the Society of Research in Child Development in Baltimore, MD.
- Roth, K.C.** & Bilal, D. (February, 2019). User-centered survey design: Considering group membership effects on survey responses. Poster presented at the College of Communication and Information 41st Annual Research Symposium in Knoxville, TN.

2018

- Roth, K.C.**, Bahrlick, L.E., Lickliter, R., Todd, J.T., & Reynolds, G.D. (November, 2018) Intersensory redundancy, selective attention, and neural correlates of perceptual processing in infancy. Poster presented at the annual NeuroNET Chapter of the Society for Neuroscience Fall Retreat in Knoxville, TN.
- Chollman, W.J., **Roth, K.C.**, Grimes, E.K.*, Berosh, C.*, Bennett, M.A.*, Stover, M.*, & Reynolds, G.D. (November, 2018) The effects of spatial cueing on neural correlates of infant attention and perceptual processing. Poster presented at the annual NeuroNET Chapter of the Society for Neuroscience Fall Retreat in Knoxville, TN.
- Roth, K.C.**, Bahrlick, L.E., Lickliter, R., Todd, J.T., & Reynolds, G.D. (October, 2018) Intersensory redundancy, selective attention, and neural correlates of perceptual processing in infancy. Poster presented at a special poster session at the annual meeting of the Society for Neuroscience in San Diego, CA.
- Chollman, W.J., **Roth, K.C.**, Grimes, E.K.*, Berosh, C.*, Bennett, M.A.*, Stover, M.*, & Reynolds, G.D. (October, 2018) The effects of spatial cueing on neural correlates of infant attention and perceptual processing. Poster presented at a special poster session at the annual meeting of the Society for Neuroscience in San Diego, CA
- Roth, K.C.**, Bahrlick, L.E., Lickliter, R., Todd, J.T., & Reynolds, G.D. (October, 2018) Intersensory redundancy, selective attention, and neural correlates of perceptual processing in infancy. Poster presented at the annual meeting of the International Society for Developmental Psychobiology in San Diego, CA.

- Chollman, W.J., **Roth, K.C.**, Grimes, E.K.*, Berosh, C.*, Bennett, M.A.*, Stover, M.*, & Reynolds, G.D. (October, 2018) The effects of spatial cueing on neural correlates of infant attention and perceptual processing. Poster presented at the annual meeting of the International Society for Developmental Psychobiology in San Diego, CA.
- DiMercurio, A., Connell, J.P., Romano, A.C., **Roth, K.C.**, Stumpe, A.L., Reynolds, G.D., & Corbetta, D. (June, 2018) Developmental changes in looking and reaching patterns in 6 and 9-month-old infants. Poster presented at the biennial meeting of the International Congress on Infant Studies in Philadelphia, PA.
- Roth, K.C.**, Stumpe, A.L., Berosh, C.*, Dukes, L.*, Grimes, E.K.*, Stover, M.*, Connor, K.*, Manning, E.*, & Reynolds, G.D. (April, 2018) Intersensory redundancy and infant selective attention to native and non-native audiovisual speech. Poster presented at the Psychology Department Spring Celebration in Knoxville, TN.
- Roth, K.C.**, Stumpe, A.L., Berosh, C.*, Dukes, L.*, Grimes, E.K.*, Stover, M.*, Connor, K.*, Manning, E.*, & Reynolds, G.D. (March, 2018) Intersensory redundancy and infant selective attention to native and non-native audiovisual speech. Poster presented at the Women in STEM Research Symposium in Knoxville, TN.

2017

- Roth, K.C.**, Stumpe, A.L., Berosh, C.*, Dukes, L.*, Grimes, E.K.*, Stover, M.*, Connor, K.*, Manning, E.*, & Reynolds, G.D. (November, 2017) Intersensory redundancy and infant selective attention to native and non-native audiovisual speech. Poster presented at the annual NeuroNET Chapter of the Society for Neuroscience Fall Retreat in Knoxville, TN.
- Roth, K.C.**, Stumpe, A.L., Berosh, C.*, Dukes, L.*, Grimes, E.K.*, Stover, M.*, Connor, K.*, Manning, E.*, & Reynolds, G.D. (November, 2017) Intersensory redundancy and infant selective attention to native and non-native audiovisual speech. Poster presented at the 50th annual meeting of the International Society for Developmental Psychobiology in Washington, DC.
- Romano, A.C., Stumpe, A.L., **Roth, K.C.**, Nance, E.M.*, Stephanides, M.C.*, & Reynolds, G.D. (May, 2017) Neural mechanisms associated with spatial orienting and infant visual attention. Poster presented at the Psychology Department Spring Celebration in Knoxville, TN.
- Roth, K.C.**, Stumpe, A.L., Romano, A.C., Stephanides, M.C.*, Nance, E.M.*, & Reynolds, G.D. (May, 2017) Infant visual attention and covert orienting at 4 and 6 months of age. Poster presented at the Psychology Department Spring Celebration in Knoxville, TN.
- Romano, A.C., **Roth, K.C.**, Stumpe, A.L., White, C.*, Casteel, M.*, Hawkins, M.*, & Reynolds, G.D. (April, 2017) Effects of two- and three-dimensional visual processing on infant attention and object recognition. Poster presented at biennial meeting of the Society of Research in Child Development in Austin, TX.
- Stumpe, A.L., **Roth, K.C.**, Romano, A.C., Lewis, K.*, Womack, S.*, Salekin, F.*, Reynolds, G.D. (April, 2017) The development of saccade planning from 4 to 6 months of age. Poster presented at biennial meeting of the Society of Research in Child Development in Austin, TX.
- Stumpe, A.L., **Roth, K.C.**, Romano, A.C., Lewis, K.*, Womack, S.*, Salekin, F.*, Reynolds, G.D. (March, 2017) The development of saccade planning from 4 to 6 months of age. Poster presented at the Women in STEM Research Symposium in Knoxville, TN.
- Roth, K.C.**, Stumpe, A.L., Romano, A.C., Stephanides, M.C.*, Nance, E.M.*, & Reynolds, G.D. (March, 2017) Infant visual attention and covert orienting at 4 and 6 months of age. Poster presented at the Women in STEM Research Symposium in Knoxville, TN.

2016

- Romano, A.C., **Roth, K.C.**, Stumpe, A.L., White, C.*, Casteel, M.*, Hawkins, M.*, & Reynolds, G.D. (November, 2016) Effects of two- and three-dimensional visual processing on infant attention and object recognition. Poster presented at the annual NeuroNET Chapter of the Society for Neuroscience Fall Retreat in Knoxville, TN.
- Roth, K.C.**, Stumpe, A.L., Romano, A.C., Stephanides, M.C.*, Nance, E.M.*, & Reynolds, G.D. (November, 2016) Infant visual attention and covert orienting at 4 and 6 months of age. Poster presented at the annual NeuroNET Chapter of the Society for Neuroscience Fall Retreat in Knoxville, TN.
- Stumpe, A.L., Romano, A.C., **Roth, K.C.**, Nance, E.M.*, Stephanides, M.C.*, & Reynolds, G.D. (November, 2016) Neural mechanisms associated with spatial orienting and infant visual attention. Poster presented at the annual NeuroNET Chapter of the Society for Neuroscience Fall Retreat in Knoxville, TN.
- Reynolds, G.D., **Roth, K.C.**, Stumpe, A.L., Romano, A.C., Stephanides, M.C.*, & Nance, E.M.* (May, 2016) Infant visual attention and covert orienting at 4 and 6 months of age. Poster presented at the biennial meeting of the International Congress on Infant Studies in New Orleans, LA.
- Romano, A.C., Stumpe, A.L., **Roth, K.C.**, Nance, E.M.*, Stephanides, M.C.*, & Reynolds, G.D. (May, 2016) Neural mechanisms associated with spatial orienting and infant visual attention. Poster presented at the biennial meeting of the International Congress on Infant Studies in New Orleans, LA.

- Romano, A.C., Stumpe, A.L., **Roth, K.C.**, Nance, E.M. *, Stephanides, M.C. *, & Reynolds, G.D. (April, 2016) Neural mechanisms associated with spatial orienting and infant visual attention. Poster presented at the Women in STEM Research Symposium in Knoxville, TN.
- Miller, M., **Roth, K.C.**, Roberson, P.N.E., & Gordon, K. (April, 2016) Not so different: How same-sex and different-sex couples in Appalachia present for a brief relationship intervention. Poster presented at 2016 Annual Southern Sociological Society (SSS) Conference in Atlanta, GA.