

# Julie L. Feuerstein

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## Education and Training

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<b>Postdoctoral</b>	Department of Psychiatry & Behavioral Sciences The Johns Hopkins University School of Medicine Center for Autism and Related Disorders Kennedy Krieger Institute, Baltimore, MD Advisor: Rebecca Landa		<b>2016-Present</b>
<b>Ph.D.</b>	Department of Speech & Hearing Sciences University of Washington, Seattle, WA Advisor: Lesley Olswang		<b>2009-2015</b>
<b>M.S.</b>	Boston University, Boston, MA	Speech-Language Pathology	<b>2001-2003</b>
<b>B.S.</b>	Boston University, Boston, MA	Communication Disorders	<b>1997-2001</b>

## Research Interests

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My research interests include: 1) early intervention for minimally verbal children with neurodevelopmental disorders who require AAC, and 2) mechanisms for moving evidence-based interventions into routine practice.

## Research Funding

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<b>Research Training Institute on Sequential Multiple Assignment Randomized Trials (SMARTs)</b>	<b>Summer, 2017</b>
<i>National Center for Special Education Research, Institute of Education Sciences, Washington, D.C.</i>	
<b>Forlenza Postdoctoral Training Fellowship in Autism</b>	<b>2016-Present</b>
<i>Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD</i>	
<b>Gatzert Child Welfare Fellowship</b>	<b>2015</b>
<i>The Graduate School, University of Washington, Seattle, WA</i>	
<b>Predocutorial Training Fellowship in Translational Research</b>	<b>2014-2015</b>
NIH NCATS Award No. TL1TR000422 <i>Institute of Translational Health Sciences, University of Washington, Seattle, WA</i>	
<b>Predocutorial Training Fellowship in Speech &amp; Hearing Sciences</b>	<b>2012-2014</b>
NIH NIDCD Award No. T32DC000032-22 <i>Department of Speech &amp; Hearing Sciences, University of Washington, Seattle, WA</i>	

## Research Experience

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### Postdoctoral Fellow

2016-Present

Center for Autism and Related Disorders, Kennedy Krieger Institute, Baltimore, MD

Psychiatry & Behavioral Sciences, The Johns Hopkins University School of Medicine, PI: Rebecca Landa

- Validation of a video-guided screening instrument for autism spectrum disorders (project ongoing)
  - Evaluated psychometric properties of a video-based autism screener for children ages 12-36 months
  - Coordinated recruitment and enrollment, including the Baltimore Infants and Toddlers Program
- Optimizing toddlers' social and communication outcomes by improving community-based service delivery (HRSA MCH Award No. R40MC26193)
  - Coordinated a randomized controlled trial examining the effectiveness of R. Landa's interpersonal synchrony intervention for young children with social communication and language delays, when delivered by teachers in community-based child care centers
  - Recruited and enrolled 27 child care centers in Baltimore, many from under-resourced communities
  - Coached teachers to implement evidence based instruction in their everyday classroom routines
  - Supervised study staff (coaches, research assistants)

### Predoctoral Trainee

2012-2015

Institute of Translational Health Sciences, University of Washington, Seattle, WA

Department of Speech & Hearing Sciences, University of Washington, Seattle, WA

- Dissertation: *Clinician training on prelinguistic communication: Investigating techniques within an online approach* (NIH NIDCD Award No. T32DC000032-22 and NIH NCATS Award No. TL1TR002318)
  - Conducted a randomized controlled trial to examine the effect of training condition on clinician knowledge and skill when learning key components of Triadic Gaze Intervention
  - Developed online training modules using Canvas Learning Management System
  - Recruited and enrolled early intervention speech-language pathologists from five states in the Pacific Northwest (Washington, Alaska, Montana, Idaho, & Oregon)

### Graduate Research Assistant

2009-2012

Child Language Research Laboratory, University of Washington, Seattle, WA, PI: Lesley Olswang

- Integrating an evidence-based communication intervention for young children with physical disabilities into a community early intervention center (NIH NCATS Award No. UL1 TR002319)
  - Conducted pilot implementation research using qualitative and quantitative methods to examine clinician training to learn Triadic Gaze Intervention in one community early intervention center
- Communication of people with mental retardation, project II: Dynamic assessment of triadic eye gaze (NIH NICHD Award No. P01HD018955)
  - Conducted randomized controlled trial examining the effectiveness of Triadic Gaze Intervention for young children with physical and developmental disabilities
  - Collaborated with investigators from the University of Kansas as part of the NIH program project
  - Administered Triadic Gaze Intervention protocol to children ages 12-36 months, in their homes
  - Coded and analyzed behavioral data (gaze, gesture, and vocalizations) using The Observer XT (Noldus Information Technology) behavioral coding software

## Publications

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- [J1] **Feuerstein, J.**, Olswang, L., Greenslade, K., Pinder, G. L., Dowden, P., & Madden, J. (2018). Implementation research: Embracing practitioners' views. *Journal of Speech Language, and Hearing Research*, 61(3), 645-657.
- [J2] **Feuerstein, J.**, Olswang, L., Greenslade, K., Pinder, G. L., Dowden, P., & Madden, J. (2017). Moving Triadic gaze intervention into practice: Measuring clinician attitude and implementation fidelity. *Journal of Speech, Language, and Hearing Research*, 60(5), 1285-1298.

- [J3] Olswang, L., Dowden, P., **Feuerstein, J.**, Greenslade, K., Pinder, G. L., & Fleming, K. (2014). Triadic gaze intervention for young children with physical disabilities. *Journal of Speech, Language, and Hearing Research, 57*(5), 1740-1753.
- [J4] Olswang, L., **Feuerstein, J.**, Pinder, G. L., & Dowden, P. (2013). Validating dynamic assessment of triadic gaze for young children with severe disabilities. *American Journal of Speech-Language Pathology, 22*(3), 449-462.

## Conference Presentations

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### Invited Talks

- [C1] **Feuerstein, J.** (To be presented: 2018, November). Partnering with practitioners in implementation research. *American Speech-Language-Hearing Association Annual Convention, Boston, MA.*
- [C2] Landa, R. & **Feuerstein, J.** (2018, April). Impact of researcher and early childhood educator collaboration on outcomes for young children with developmental delays. *National Black Association for Speech-Language Hearing Convention, Washington, D.C.*
- [C3] Olswang, L., & **Feuerstein, J.** (2017, June). Getting started in implementation research: Key considerations for determining research focus, questions, methodology, and funding. *36th Annual Symposium on Research in Child Language Disorders, Madison, WI.*
- [C4] Dowden, P. & **Stratton,\* J.** (2011, April). Shaping early communication signals in young children with severe motor impairment, *32nd Annual Duncan Seminar: "I've Got Something to Say!" Communication Strategies for Young Children with Physical Disabilities, Seattle Children's Hospital, Seattle, WA.*

### Oral Presentations

- [C5] Dowden, P., **Feuerstein, J.**, & Olswang, L. (2016, August). PoWRRS Play communication protocol for young children with physical disabilities: Moving evidence into practice. *17th Biennial Conference of the International Society for Augmentative and Alternative Communication, Toronto, CA.*
- [C6] Olswang, L., Greenslade, K., **Feuerstein, J.**, & Dowden, P. (2014, November). Step-by-step: Moving from efficacy to implementation in early intervention. *American Speech-Language-Hearing Association Annual Convention, Orlando, FL.*
- [C7] **Feuerstein, J.**, Olswang, L., & Dowden, P. (2013, November). Acquisition of triadic gaze by young children with severe disabilities: Examining growth trajectories. *American Speech-Language-Hearing Association Annual Convention, Chicago, IL.*
- [C8] Dowden, P., & **Feuerstein, J.** (2012, July-August). Dynamic assessment in early intervention: Advancing early communication signals in children with significant motor impairments. *15th Biennial Conference of the International Society for Augmentative and Alternative Communication, Pittsburg, PA.*
- [C9] Dowden, P., **Feuerstein, J.**, Olswang, L., & Pinder, G.L. (2012, November). Early intervention for intentional communication in children with severe disabilities. *American Speech-Language-Hearing Association Annual Convention, Atlanta, GA.*

- [C10] Olswang, L., **Stratton,\* J.**, Pinder, G.L., & Dowden, P. (2011, November). Planning intervention for young children with severe impairments: Dynamic assessment. *American Speech-Language-Hearing Association Annual Convention*, San Diego, CA.
- [C11] **Stratton,\* J.**, Greenslade, K., Pinder, G.L., Olswang, L., & Dowden, P. (2011, May). Structuring intervention for preverbal children with developmental disabilities. *Infant and Early Childhood Conference*, Tacoma, WA.
- [C12] **Stratton,\* J.**, Greenslade, K., Pinder, G.L., Olswang, L., & Dowden, P. (2010, October). Structuring intervention for preverbal children. *Washington Speech-Language-Hearing Association Annual Convention*, Spokane, WA.

### Poster Presentations

- [P1] **Feuerstein, J.**, & Landa, R. (March, 2018). Measuring early intervention outcomes: a novel book sharing approach. *Conference on Research Innovations in Early Intervention*, San Diego, CA.
- [P2] Landa, R., & **Feuerstein, J.** (March, 2018). Professional development for childcare providers serving young children with developmental delays: an RCT. *Conference on Research Innovations in Early Intervention*, San Diego, CA.
- [P3] **Feuerstein, J.**, Olswang, L., Greenslade, K., Dowden, P., Pinder, G.L., & Madden, J. (November, 2017). Partnering with practitioners: Implementing Triadic Gaze Intervention into practice. *American Speech-Language-Hearing Association Annual Convention*, Los Angeles, CA.
- [P4] **Feuerstein, J.**, Greenslade, K., Baker, E., & Landa, R. (November, 2017). Measuring young children's social-communication in a book share context: Preliminary reliability & validity evidence. *American Speech-Language-Hearing Association Annual Convention*, Los Angeles, CA.
- [P5] **Feuerstein, J.**, Olswang, L., & Dowden, P. (2016, August). Training SLPs to recognize early communicative behaviors in children with physical disabilities: Which techniques work? *17<sup>th</sup> Biennial Conference of the International Society for Augmentative and Alternative Communication*, Toronto, CA.
- [P6] **Feuerstein, J.**, Olswang, L., Greenslade, K., Dowden, P., & Pinder, G.L. (2015, June). Implementation fidelity: moving an evidence-based communication intervention into practice. *35<sup>th</sup> Annual Symposium on Research in Child Language Disorders*, Madison, WI.
- [P7] **Feuerstein, J.**, Olswang, L., Greenslade, K., & Dowden, P. (2015, April). Implementing an evidence-based communication intervention for young children with physical disabilities into one community based early intervention center: Lessons learned from a pilot project. *Translational Science Meeting of the Association for Clinical and Translational Science*, Washington, D.C.
- [P8] **Feuerstein, J.**, Dowden, P., & Olswang, L. (2013, June). Patterns of growth in learning an early signal of intentional communication by children with severe disabilities. *34<sup>th</sup> Annual Symposium on Research in Child Language Disorders*, Madison, WI.
- [P9] **Stratton,\* J.**, Olswang, L., Dowden, P., & Pinder, G.L. (2011, June). Shaping early communicative signals: Exploring child variability. *Symposium on Research in Child Language Disorders*, Madison, WI.
- [P10] **Stratton,\* J.**, Olswang, L., Dowden, P., & Pinder, G.L. (2011, May). Structuring intervention for preverbal children with developmental disabilities. *Infant and Early Childhood Conference*, Tacoma, WA.
- [P11] **Stratton,\* J.**, Olswang, L., Dowden, P., & Pinder, G.L. (2010, November). Shaping early communication signals in preverbal children with severe motor impairment. *American Speech-Language-Hearing Association Annual Convention*, Philadelphia, PA.

## Teaching Interests

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My primary teaching interests include: assessment and treatment of child language development and disorders; early intervention; augmentative and alternative communication; research methodology, including implementation science; and clinical methodologies/evidence-based practice.

## Mentoring and Teaching Experience

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### Mentoring

#### Research Supervision

2016-2017

Emily Baker, *Early Intervention Specialist, Kennedy Krieger Institute*  
 Natasha Lawson, *Research Assistant, Kennedy Krieger Institute*

#### Student Mentoring

Brittany Thompson, *Doctoral Student Intern, George Mason University* 2017  
 Victoria Connors, *Undergraduate Student Internship, University of Maryland, College Park* 2017  
 Shirley Green, *Undergraduate Student Internship, Morgan State University* 2016

- NIH-sponsored BUILD program: *A Student-Centered, Entrepreneurship Development (ASCEND) Training Model to Increase Diversity in the Biomedical Research Workforce*
- Student author on two peer-reviewed poster presentations at national conferences

#### Committee Member

2014

Katie Christenson, *Graduate Student, University of Washington*  
 Honor's thesis: *Assessing intentional communication in typically developing infants using the communication complexity scale.*

### Teaching

#### Co-Instructor

2015

*Department of Speech & Hearing Sciences, University of Washington*  
*Teaching early communication signals to children with motor impairments: Where do I start?*  
 Two-day workshop for community-based clinicians

#### Co-Instructor

2014

*Department of Speech & Hearing Sciences, University of Washington*  
 SPHSC 529: *Assessment and Treatment of Communication Disorders: Birth-to-Four*

#### Guest Lecturer

2010-2013

*Department of Speech & Hearing Sciences, University of Washington*  
 SPHSC 250: *Human Communication and Its Disorders*  
 SHPSC 549: *Clinical Forum in Speech-Language Pathology*  
 SPHSC 531: *Neurogenic Motor Speech Disorders*

*Department of Early Childhood & Family Studies, University of Washington*  
 ECFS 200: *Introduction to Early Childhood and Family Studies*  
 ECFS 302: *Survey of Infants and Children at Risk*

## Service and Professional Memberships

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### Reviewer

American Speech-Language-Hearing Association Annual Convention  
*Language in Infants, Toddlers, and Preschoolers Sub-Committee* **2015, 2016**  
*Special Interest Group 12: Augmentative and Alternative Communication* **2014**

### Member

American Speech-Language-Hearing Association (ASHA)  
 Augmentative and Alternative Communication, Special Interest Group 12 (ASHA SIG 12)  
 International Society for Augmentative and Alternative Communication (ISAAC)  
 Neuro-Developmental Treatment Association (NDTA)

## Professional Certification and Licensure

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### Licensed Speech-Language Pathologist

State of Maryland **2017-Present**  
 State of Washington **2004-2015**  
 State of Massachusetts (CFY Temporary License) **2003-2004**

### Certificate of Clinical Competence in Speech-Language Pathology

American Speech-Language-Hearing Association **2003-Present**

### Neuro-Developmental Treatment Certification

Neuro-Developmental Treatment Association **2013-2016**

## Awards

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### American Speech-Language-Hearing Association

*Pathways Program* **2018**

### American Speech-Language-Hearing Association

*Research Mentoring-Pair Travel Award* **2017**

### University of Washington Graduate Student Travel Awards

*Lesley B. and Steven G. Olswang Graduate Student Conference Fund (2014, 2013, 2011, & 2010)* **2010-2014**  
*Graduate School's Fund for Excellence and Innovation (2013, 2011, & 2010)*  
*Graduate and Professional Student Senate (2013, 2011, & 2010)*

### Symposium on Research in Child Language Disorders

*Mayor Paul National Travel Award* **2013**  
*Student Travel Award Conference Grant* **2011**

### International Society for Augmentative and Alternative Communication

*Emerging Research Travel Award* **2012**

### American Speech-Language-Hearing Foundation

*Graduate Student Scholarship* **2011**

## Clinical Work Experience

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<b>Pediatric Speech-Language Pathologist</b> <i>Seattle Children's Hospital, Seattle, WA</i>	<b>2007-2013</b>
<b>Research Treatment Clinician</b> <i>University of Washington, Seattle, WA</i>	<b>2007-2009</b>
<b>Early Intervention Speech-Language Pathologist</b> <i>Encompass Northwest, North Bend, WA</i>	<b>2007-2009</b>
<b>Pediatric Speech-Language Pathologist</b> <i>Puget Sound Therapy Services, Tacoma, WA</i>	<b>2004-2007</b>
<b>Clinical Fellow, Speech-Language Pathology</b> <i>Communication Enhancement Center, Boston Children's Hospital, Boston, MA</i>	<b>2003-2004</b>

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\*Note: Legal name was changed in 2011 from Julie Stratton to Julie Feuerstein.