

**CURRICULUM VITAE**  
**ROBERTA GITTENS PINEDA, PHD, OTR/L, CNT**  
**APRIL 2022**

**PERSONAL INFORMATION:**

**Work**

1540 Alcazar St.  
Los Angeles, CA  
90089

**Home**

3915 Old Toll Road  
Altadena, CA  
91001

Phone: (314) 771-3844

Citizenship: USA

Work Email: bobbi.pineda@chan.usc.edu

**EDUCATION AND PROFESSIONAL APPOINTMENTS**

**EDUCATION:**

1992	Bachelor's, Health Science-Occupational Therapy, Florida Agricultural and Mechanical University, Tallahassee, Florida
1994	Master's of Health Science-Occupational Therapy, University of Florida, Gainesville, Florida
2006	Doctor of Philosophy-Rehabilitation Science, University of Florida, Gainesville, Florida

**ACADEMIC APPOINTMENTS:**

2020-Present	Assistant Professor	Chan Division of Occupational Science and Occupational Therapy, University of Southern California, Los Angeles, California Keck School of Medicine, Department of Pediatrics Gehr Center for Health Systems Science and Innovation, USC Keck Medicine Center for the Changing Family USC Dornsife College of Letters, Arts, and Sciences
2020-Present	Adjunct Professor	Program in Occupational Therapy and Department of Pediatrics Washington University School of Medicine, Saint Louis, Missouri
2013-2020	Assistant Professor	Program in Occupational Therapy and Pediatrics Washington University School of Medicine, Saint Louis, Missouri
2011-2013	Research Assistant Professor	Program in Occupational Therapy and Pediatrics Washington University School of Medicine, Saint Louis, Missouri
2010-2011	Instructor	Program in Occupational Therapy Washington University School of Medicine, Saint Louis, Missouri
2007-2010	Staff Scientist	Pediatrics Washington University School of Medicine, Saint Louis, Missouri
2005	Instructor Adjunct	Program in Occupational Therapy Washington University School of Medicine, Saint Louis, Missouri
2003-2005	Instructor Adjunct	Department of Occupational Therapy University of Florida, Gainesville, Florida

## **CLINICAL APPOINTMENTS:**

<i>Year-Year</i>	<i>Appointment</i>	<i>Department, Institution, City, State</i>
2014-present	NNNS trainer for therapists and clinicians	Brown Center for At-Risk Infants and Children, Brown University, Providence RI
2007-2020	Neurobehavioral assessment for infants in research studies	Washington University Intellectual and Developmental Disabilities Research Center, St. Louis MO
2001-2004	Occupational Therapist	University of Florida, Shands Hospital, Gainesville, FL
1999-2001	Occupational Therapist	Duke Children's Hospital, Durham, NC
1997-1999	Occupational Therapist	State of North Carolina UNC-Chapel Hill Children's Hospital, Chapel Hill, NC
1995-1997	Occupational Therapist	PACT-early intervention program, Burlington, NC
1993, 1995, 1997	Occupational Therapist	All Children's Hospital, Saint Petersburg, FL
1992-1993	Occupational Therapist	Cross Country Healthcare, National Associated Healthfocus, Lakeland, FL

## **LICENSURE, CERTIFICATIONS**

### **LICENSURE:**

2019-present	California Occupational Therapy License #20289
2005-present	Missouri Occupational Therapy License #2005020656
1992-1995; 1997-2002	Florida Occupational Therapy License
1995	Nevada Occupational Therapy License

### **BOARD CERTIFICATION OR ELIGIBILITY:**

1992-present	National Board Certification in Occupational Therapy #984640
2017-present	Neonatal Therapy Certification Board #CNT170003

### **SPECIALTY CERTIFICATION:**

2015	Certified, Advanced Course on General Movement Assessment, General Movement Trust
2014	Certified, General Movement Assessment Examiner, General Movement Trust
2013-present	Certified Trainer, NICU Network Neurobehavioral Scale, Brown Center for At-Risk Children
2008-present	Certified, Neonatal Oral Motor Assessment Scale, NOMAS International
2007-present	Certified, NICU Network Neurobehavioral Scale Examiner, Brown Center for At-Risk Children

### **OTHER CERTIFICATIONS OR TRAININGS:**

2020	E4B NIH Sponsored Clinical Innovation Course, online
2020	Colorado Pragmatic Research in Health, Planning for Real World Impact, Virtual course
2016-2019	Faculty, Education Resources, Taught 6 courses per year on assessment and intervention in the NICU

2015-2016	LAUNCH: National Leadership Program, National Association of Neonatal Therapists
2015	Bayley Scales of Infant and Toddler Development, 3 <sup>rd</sup> Edition, 2- Day Training Course, Pearson Assessments
2014	NIH Grant Writing Course
2007-2013	Post-graduate training Washington University Neurodevelopmental Research group, under the mentorship of Terrie Inder, MD

## **HONORS, AWARDS:**

2021	Lisa Test Research Award	Occupational Therapy Association of California
2021	Innovation Award	National Board for Certification in Occupational Therapy
2021	Impact Award	National Board for Certification in Occupational Therapy
2020	Honorable mention, Neonatal Therapist of the Decade	National Association of Neonatal Therapists
2019	5-year mentor award	Students and Teachers as Research Scientists (STARS), University of Missouri St. Louis
2018	Patricia Buehler Legacy Award for Clinical Innovation	Chan Division of Occupational Science and Occupational Therapy, University of Southern California
2018	A. Jean Ayres Award	American Occupational Therapy Foundation
2017	Award for Research Excellence	National Association of Neonatal Therapists
2015	Nominee, Pioneer in Neonatal Therapy	National Association of Neonatal Therapists

## **TEACHING**

### **DIDACTIC TEACHING:**

#### *University of Southern California*

#### *Chan Division of Occupational Science and Occupational Therapy*

2022	Researching Occupation: Function, Participation, and Health	Course master
2020-2022	Independent Study	Course master/faculty mentor
2020-2021	Pediatric Immersion Course	Guest lectures, NICU content
2020-2021	Neuroscience Course	Guest lecture, brain development
2020, 2022	Sensory Processing and Integration Course	Guest lecture, sensory research
2020	PhD Research Immersion 660	Faculty mentor
2020	OTD Immersion-Research Track	Faculty mentor

#### *Washington University School of Medicine*

#### *Rehabilitation and Participation Science PhD Program*

2016-2017	Rehabilitation and Participation Science PhD Seminar	Course master
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*Washington University School of Medicine*

*Program in Occupational Therapy*

2014-2019	Doctoral Proposal Development Course	Group mentor
2009-2020	Directed Practice Research	Advisor and course master
2009-2019	Neuroscience	Content lecturer
2009-2015	Health Conditions	Content lecturer and lab instructor
2013-2019	Fundamentals of Assessment	Content lecturer and lab instructor
2013-2015	Fundamentals of Interventions	Content lecturer and lab instructor

**UNDERGRADUATE AND GRADUATE STUDENT MENTORSHIP:**

**PHD STUDENTS**

2020-present	Marinthea Richter OTD, student of Doctor of Philosophy in Occupational Science University of Southern California, Chan Division of Occupational Science and Occupational Therapy Contributor, <i>Neurobehavior at Term Equivalent Age is Related to Early Childhood Outcomes</i> *Published, <i>Acta Paediatrica</i> Primary Author, <i>Healthcare professional perceptions about a proposed NICU intervention: The importance of community and aligning everyday occupations.</i> *Advance online publication, <i>OTJR: Occupation, Participation and Health</i> Primary Author, <i>Parent-infant interaction in the NICU: Challenges in outcome measurement.</i> *Submitted for publication
2021-present	Bethany Gruskin MSOT, student of Doctor of Philosophy in Occupational Science University of Southern California, Chan Division of Occupational Science and Occupational Therapy

**DOCTORAL STUDENTS**

2020	Jenny Kwon, Doctorate in Occupational Therapy Washington University, School of Medicine, Program in Occupational Therapy Primary Author, <i>Neonatal Feeding Performance is Related to Feeding Outcomes in Childhood</i> *Published, <i>Early Human Development</i> *Contributor, <i>Inter-rater Reliability and Concurrent Validity of the Neonatal Eating Outcome Assessment</i> *Published, <i>American Journal of Occupational Therapy</i> Contributor, <i>Applying the RE-AIM framework to evaluate the implementation of the Supporting and Enhancing NICU Sensory Experiences (SENSE) program.</i> *Published, <i>BMC Pediatrics</i>  Margaux Collins, Doctorate in Occupational Therapy Washington University, School of Medicine, Program in Occupational Therapy Contributor, <i>Factors Related to Enrollment in Early Therapy Services Following NICU Discharge</i> *Published, <i>Acta Paediatrica</i>
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Contributor, *The Baby Bridge Program: A Sustainable Program that Can Improve Therapy Service Delivery for Preterm Infants following NICU Discharge*  
\*Published, *PLoS One*

2019

Lara Liszka, Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current title: Feeding Team (including NICU), Seattle Children's Hospital, Seattle WA  
Primary Author, *Differences in Early Auditory Exposure Between Neonatal Environments*  
\*Published, *Early Human Development*  
Primary Author, *Auditory Exposure of High-Risk Infants Discharged from the NICU and the Impact of Social Factors*  
\*Published, *Acta Paediatrica*  
Contributor, *Inter-rater Reliability and Concurrent Validity of the Neonatal Eating Outcome Assessment*  
\*Published, *American Journal of Occupational Therapy*  
Contributor, *Early Neurobehavior at 30 Weeks Postmenstrual Age is Related to Outcome at Term Equivalent Age*  
\*Published, *Early Human Development*

Molly Grabill, Doctorate in Occupational Therapy  
Washington University, School of Medicine, Program in Occupational Therapy  
Primary Author, *The Prevalence of Early Feeding Alterations in Preterm Infants: Relationships to Early Neurobehavior*  
\*In Preparation for Submission  
Contributor, *Preterm Infant Feeding Performance at Term Equivalent Age Differs from That of Full-term Infants*  
\*Published, *Journal of Perinatology*  
Contributor: *The Prevalence of Early Feeding Alterations in Preterm Infants: Relationships to Early Neurobehavior*  
\*Submitted, *Research in Developmental Disabilities*

Margaret (Crabtree) Meether, Doctorate in Occupational Therapy  
Washington University, School of Medicine, Program in Occupational Therapy  
Current title: Pediatric and Neonatal Therapist, University Illinois Chicago, Chicago IL  
Primary Author, *Neurobehavior of Very Preterm Infants at Term Equivalent Age is Related to Early Childhood Outcomes*  
\*Published, *Acta Paediatrica*

Danielle Prince, Doctorate in Occupational Therapy  
Washington University, School of Medicine, Program in Occupational Therapy  
Current title: Neonatal Occupational Therapist, University of Minnesota Medical Center, Minneapolis MN  
Contributor, *Preterm Infant Feeding Performance at Term Equivalent Age Differs from That of Full-term Infants*  
\*Published, *Journal of Perinatology*

2018

Anna Annecca, Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current title: Pediatric Therapist; Spaulding Rehabilitation Hospital, Boston, MA  
Contributor, *Parent Participation in the Neonatal Intensive Care Unit: Predictors and Relationships to Neurobehavior and Developmental Outcomes*  
\*Published, *Early Human Development*

Sarah Wolf, Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Contributor, *Factors Related to Enrollment in Early Therapy Services Following NICU Discharge*  
\*Published, *Acta Paediatrica*

- 2017 Rachel Harris, Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current title: Neonatal Occupational Therapist, Medical City, Dallas, TX  
Primary Author, *Maternal Mental Health During the Neonatal Period: Relationships to the Occupation of Parenting*  
\*Published, *Early Human Development*  
Contributor, *The Neonatal Eating Outcome Assessment: Establishing Reliability and Validity*  
\*Published, *Acta Paediatrica*
- Justin Ryckman, Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current title: Inpatient Occupational Therapist, Barnes-Jewish Hospital, St. Louis MO  
Primary Author, *Sensory Processing Disorder in Preterm Infants During Early Childhood and Relationships to Early Neurobehavior*  
\*Published, *Early Human Development*  
Contributor, *Pacifier Use in Newborns: Related to Socioeconomic Status But Not to Early Feeding Performance*  
\*Published, *Acta Paediatrica*
- 2016 Katherine Ross, Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Neonatal Occupational Therapist, Norton Children's Hospital, Louisville, Kentucky  
Primary Author, *Occupational Therapy, Physical Therapy and Speech Language Pathology in the Neonatal Intensive Care Unit: Patterns of Therapy Usage in a Level IV NICU*  
\*Published, *Research in Developmental Disabilities*
- Kelsey Dewey, Doctorate in Occupational Therapy  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Physician Assistant, Children's Hospital of Wisconsin, Milwaukee, Wisconsin  
Rosalind Franklin University of Medicine and Science, Chicago, Illinois  
Contributor, *Non-nutritive Sucking in the Preterm Infant*  
\*Published, *American Journal of Perinatology*
- 2015 Odochi Nwabara, Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Occupational Therapist, Methodist Hospitals, Gary, Indiana  
Primary Author, *Early Therapy Services Following Neonatal Intensive Care Unit Discharge*  
\*Published, *Physical & Occupational Therapy in Pediatrics*
- Hayley Chrzastowski, Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current title: NICU and Adult Inpatient Therapist; Spotsylvania Regional Medical Center, Fredericksburg, VA  
Contributor, *Maternal Milk and Relationships to Early Neurobehavioral Outcome in Preterm Infants*  
\*Published, *Journal of Perinatal and Neonatal Nursing*
- 2014 Sonya Dunsirn (Dunsirn-Baillie), Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Neonatal and Pediatric Therapist, Children's Hospital of Wisconsin, Milwaukee, WI  
Primary Author, *Defining the Nature and Implications of Head Turn Preference in the Preterm Infant*  
\*Published, *Early Human Development*

Contributor, *Maternal Milk and Relationships to Early Neurobehavioral Outcome in Preterm Infants*

\*Published, *Journal of Perinatal and Neonatal Nursing*

2013

Tara Crapnell, Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Assistive Technology Specialist, Jefferson Union High School District, Daly City, CA

Primary Author, *Factors Associated with Adverse Feeding Difficulties in the Very Preterm Infant*

\*Published, *Acta Paediatrica*

Contributor, *The Effects of Alternative Positioning on Preterm Infants in the Neonatal Intensive Care Unit: A Randomized Clinical Trial*

\*Published, *Research in Developmental Disabilities*

Primary Author, *Neurodevelopmental Profile, Growth, and Psychosocial Environment of Preterm Infants with Difficult Feeding Behavior at Age 2 Years*

\*Published, *Journal of Pediatrics*

Contributor, *Nursing Perceptions of Clinical Research in the Neonatal Intensive Care Unit*

\*Published, *Newborn and Infant Nursing Reviews*

Contributor, *Neonatal Nurses and Therapists' Perceptions of Positioning for Preterm Infants in the Neonatal Intensive Care Unit*

\*Published, *Neonatal Network*

Lisa Olsen (Tiltges), Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Neonatal Therapist, Banner Children's Hospital, Phoenix, AZ

Contributor, *Nursing Perceptions of Clinical Research in the Neonatal Intensive Care Unit*

\*Published in *Newborn and Infant Nursing Reviews*

Contributor, *Neonatal Nurses and Therapists' Perceptions of Positioning for Preterm Infants in the Neonatal Intensive Care Unit*

\*Published, *Neonatal Network*

2012

Lauren Reynolds (Strnad), Doctorate in Occupational Therapy,

Washington University, School of Medicine, Program in Occupational Therapy

Contributor, *Enhancing Sensory Experiences for Very Preterm Infants in the NICU: An Integrative Review*

\*Published, *Journal of Perinatology*

Contributor, *Head Lag in Infancy: What Is It Telling Us?*

\*Published, *American Journal of Occupational Therapy*

Primary Author, *Maternal Obesity and Increased Risk for Autism and Developmental Delay Among Very Preterm Infants*

\*Published, *Journal of Perinatology*

Primary Author, *Cerebral Maturation on Amplitude-Integrated Electroencephalography and Perinatal Exposures in Preterm Infants*

\*Published, *Acta Paediatrica*

Contributor, *The Effects of Alternative Positioning on Preterm Infants in the Neonatal Intensive Care Unit: A Randomized Clinical Trial*

\*Published, *Research in Developmental Disabilities*

Contributor, *Alterations in Brain Structure and Neurodevelopmental Outcome in Preterm Infants Hospitalized in Different Neonatal Intensive Care Unit Environments*

\*Published, *The Journal of Pediatrics*

Primary Author, *Parental Presence and Holding in the Neonatal Intensive Care Unit and Associations with Early Neurobehavior*

\*Published, *Journal of Perinatology*

Contributor, *Nursing Perceptions of Clinical Research in the Neonatal Intensive Care Unit*

\*Published, *Newborn and Infant Nursing Reviews*

Contributor, *Neonatal Nurses and Therapists' Perceptions of Positioning for Preterm Infants in the Neonatal Intensive Care Unit*

\*Published, *Neonatal Network*

Laura Lewis (Madlinger), Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current title: neonatal therapist, University Illinois Chicago Hospital, Chicago, IL  
owner/birth doula at Northern Illinois Doula Services  
Primary Author, *The Effects of Alternative Positioning on Preterm Infants in the Neonatal Intensive Care Unit*

\*Published, *Research in Developmental Disabilities*

Contributor, *Nursing Perceptions of Clinical Research in the Neonatal Intensive Care Unit*

\*Published, *Newborn and Infant Nursing Reviews*

Contributor, *Neonatal Nurses and Therapists' Perceptions of Positioning for Preterm Infants in the Neonatal Intensive Care Unit*

\*Published, *Neonatal Network*

Cori Zarem, Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Intensive Care Occupational Therapist, University of Tennessee Hospitals,  
Chattanooga, TN

Primary Author, *Psychometrics of the Neonatal Oral Motor Assessment Scale*

\*Published, *Journal of Developmental Medicine and Child Neurology*

Contributor, *Nursing Perceptions of Clinical Research in the Neonatal Intensive Care Unit*

\*Published, *Newborn and Infant Nursing Reviews*

Primary Author, *Neonatal Nurses and Therapists' Perceptions of Positioning for Preterm Infants in the Neonatal Intensive Care Unit*

\*Published, *Neonatal Network*

Contributor, *The Effects of Alternative Positioning on Preterm Infants in the Neonatal Intensive Care Unit*

\*Published, *Research in Developmental Disabilities*

2011

Mallory Duncan (Hensley), Doctorate in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current title: Clinical Liaison, Anderson Hospital, Belleville, IL  
Contributor, *The Single-Patient Room in the NICU: Maternal and Family Effects*

\*Published, *Journal of Perinatology*

Contributor, *Parent Presence and Holding in the Neonatal Intensive Care Unit and Associations with Early Neurobehavior*

\*Published, *Journal of Perinatology*

\*Student Research Award

## MASTER'S STUDENTS

2020

Marissa Corder, Master's in Occupational Therapy  
Washington University, School of Medicine, Program in Occupational Therapy  
*Education for the Supporting and Enhancing NICU Sensory Experiences (SENSE) Program*

Caitlyn Terhune, Master's in Occupational Therapy  
Washington University, School of Medicine, Program in Occupational Therapy  
*A Mobile App for the Supporting and Enhancing NICU Sensory Experiences (SENSE) Program*

2019

Pido Tran, Master's in Occupational Therapy  
Washington University, School of Medicine, Program in Occupational Therapy  
Contributor: *Differences in Neurobehavior Between Low Risk Preterm and Full Term Infants*

\*Submitted, *American Journal of Perinatology*



- Kylie Buma, Master's in Occupational Therapy  
 Washington University, School of Medicine, Program in Occupational Therapy  
 Current title: Outpatient Pediatric Therapist, Agape Therapy Services, Richland WA  
*Maternal Perceptions About Sensory Interventions in the NICU: A Qualitative Study*  
 \*Submitted, *Research in Developmental Disabilities*
- Sarah Tenbarge, Master's in Occupational Therapy  
 Washington University, School of Medicine, Program in Occupational Therapy  
*Health Care Professionals' Perceptions About Sensory-Based Interventions in the NICU*
- 2018 Margaret Kindra, Master's in Occupational Therapy,  
 Washington University, School of Medicine, Program in Occupational Therapy  
 Current title: Pediatric OT; Black Bear Academy, Chicago, IL  
 Contributor: *Neonatal Therapy: A Survey of Current Practice*  
 \*Student Research Award  
 \*Published, *Journal of Pediatric Rehabilitation*
- Rachel Munoz, Master's in Occupational Therapy,  
 Washington University, School of Medicine, Program in Occupational Therapy  
 Contributor, *Maternal Milk and Relationships to Early Neurobehavioral Outcome in Preterm Infants*  
 \*Published, *Journal of Perinatal and Neonatal Nursing*
- Amy Jacobsen, Master's in Occupational Therapy,  
 Washington University, School of Medicine, Program in Occupational Therapy  
 Current title: Surgical OT; Northwestern Memorial Hospital, Chicago, IL  
 Contributor, *Non-nutritive Sucking in the Preterm Infant*  
 \*Published, *American Journal of Perinatology*
- 2017 Lisa Shabosky, Master's in Occupational Therapy,  
 Washington University, School of Medicine, Program in Occupational Therapy  
 Contributor, *Parent Participation in the Neonatal Intensive Care Unit: Predictors and Relationships to Neurobehavior and Developmental Outcomes*  
 \*Published, *Early Human Development*
- Bailey Farr (Hall), Master's in Occupational Therapy,  
 Washington University, School of Medicine, Program in Occupational Therapy  
 Current title: Medical student, University of Arkansas, Little Rock, AR  
 Contributor, *Parent Participation in the Neonatal Intensive Care Unit: Predictors and Relationships to Neurobehavior and Developmental Outcomes*  
 \*Published, *Early Human Development*
- 2016 Polly Kellner (Durant), Master's in Occupational Therapy,  
 Washington University, School of Medicine, Program in Occupational Therapy  
 Current title: Research Coordinator, NICU Therapy Lab, University of Southern California, Chan Division of Occupational Science and Occupational Therapy, Los Angeles, CA  
 Contributor, *Randomized clinical trial identifies better language outcomes in preterm infants receiving the Supporting and Enhancing NICU Sensory Experiences program*  
 \*Published, *Journal of Perinatology*  
 Contributor, *Factors Related to Enrollment in Early Therapy Services Following Neonatal Intensive Care Unit Discharge*  
 \*Published, *Acta Paediatrica*  
 Contributor, *Neonatal Feeding Performance is Related to Feeding Outcomes in Childhood*  
 \*Published, *Early Human Development*  
 Contributor, *Auditory Exposure in the NICU: Room Type and Other Predictors*  
 \*Published, *Journal of Pediatrics*  
 Contributor: *Neurodevelopmental Outcomes Following Preterm Birth and the Association with Postmenstrual Age at Discharge*  
 \*Advance Online Publication, *American Journal of Perinatology*

Contributor, *Sensory experiences for preterm infants in the NICU: An integrative review of evidence over the past 5 years*

\*In preparation

\*Student Research Award

Felicia Foci, Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Pediatric OT, Cincinnati Children's Hospital, Cincinnati, OH  
Contributor, *Neonatal Eating Outcome Assessment: Tool Development and Inter-Rater Reliability*

\*Published, *Acta Paediatrica*

Elizabeth Heiny, Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current title: Neonatal Therapist, Saint Louis Children's Hospital, St. Louis MO  
Primary Author, *Factors Related to Enrollment in Early Therapy Services following Neonatal Intensive Care Unit Discharge*

\*Published, *Acta Paediatrica*

Contributor, *Applying the RE-AIM framework to evaluate the implementation of the Supporting and Enhancing NICU Sensory Experiences (SENSE) program.*

\*Published, *BMC Pediatrics*

Contributor, *Auditory Exposure of High-Risk Infants Discharged From the NICU and the Impact of Social Factors*

\*Published, *Acta Paediatrica*

Contributor, *Implementation of the Baby Bridge Program Reduces Timing Between NICU Discharge and Therapy Activation*

\*Published, *Journal of Early Intervention*

Contributor, *The Baby Bridge Program: A Sustainable Program that Can Improve Therapy Service Delivery for Preterm Infants following NICU Discharge*

\*Published, *PLoS One*

Contributor, *Health Care Professionals' Perceptions About Sensory-Based Interventions in the NICU*

\*Published, *American Journal of Perinatology*

Contributor, *Occupational Therapy, Physical Therapy and Speech Language Pathology In the Neonatal Intensive Care Unit: Patterns of Therapy Usage in a Level IV NICU*

\*Published, *Research in Developmental Disabilities*

Contributor, *Factors Related to Enrollment in Early Therapy Services Following NICU Discharge*

\*Published, *Acta Paediatrica*

2014

Joy Bender, Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Title: Pediatric Occupational Therapist,  
Belle Center, St. Louis, Missouri

Contributor, *Parent Participation in the Neonatal Intensive Care Unit: Predictors and Relationships to Neurobehavior and Developmental Outcomes*

\*Published, *Early Human Development*

\*Student Research Award

Laura Mazelis, Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Occupational Therapist, Healthsouth Rehabilitation, Spring Hill, FL  
*The Development of a Certification Process for Neonatal Therapists*

Kelsey Melchior, Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: School Based Therapist, Norfolk Schools, Norfolk, VA  
Contributor, *Assessment of Autism Symptoms During the Neonatal Period: Is There Early Evidence of Autism Risk?*

\*Published, *American Journal of Occupational Therapy*

- 2013 Kristin Seefeldt, Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Contributor, *Head Lag in Infancy: What is it Telling Us?*  
\*Published, *American Journal of Occupational Therapy*
- Melissa Mara, Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Hand Therapist, Athletico Physical Therapy, Chicago, IL  
*More Silence in the NICU Private Room*
- 2011 Amanda Felber (Brown), Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Adjunct Faculty, Belmont University, Nashville, Tennessee  
Current Title: Pediatric Occupational Therapist, Healthsouth Rehabilitation, Nashville,  
Tennessee  
*Early Sedative Use in the Preterm Infant and Neurodevelopmental Outcome*  
\*Student Research Award
- Stephanie Walker, Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Occupational Therapist, Bronson Hospital, Kalamazoo, Michigan  
Contributor, *Alterations in Brain Structure and Neurodevelopmental Outcome in Preterm  
Infants Hospitalized in Different Neonatal Intensive Care Unit Environments*  
\*Published, *Journal of Pediatrics*
- 2010 Alison Castellano (Lynch), Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Current Title: Pediatric Occupational Therapist, Special School District, St. Louis MO  
Contributor, *Factors Associated with Concern about Development and Intent to Access  
Therapy Services at Discharge from the NICU*  
\*Published, *Journal of Pediatric Physical Therapy*
- Katrina Stransky, Master's in Occupational Therapy,  
Washington University, School of Medicine, Program in Occupational Therapy  
Contributor, *The Single-Patient Room in the NICU: Maternal and Family Effects*,  
\*Published, *Journal of Perinatology*
- 2003 Renee Gamberoni, Master's in Occupational Therapy,  
University of Florida,  
*An Adaptive Ice Skating Program for Children with Special Needs*

## SUMMER INTERNS

- 2021 Arhelia Figueroa  
Diversity, Inclusion, & Access (DIA) Program  
*Racism and discrimination in the NICU*
- 2019 Katie He  
STARS Program  
*Daily variations in preterm infant auditory exposure in the neonatal intensive  
care unit*
- Sabriya Jalal  
STARS Program

*Relationship between preterm infants' exposure to neonatal intensive care unit environmental factors and sensory processing problems encountered in early childhood*

Madalyn Abady  
STARS Program

*Are early feeding patterns and growth of the preterm infant related to feeding habits and growth in early childhood?*

2018

Laura Whitehill  
Institute of Public Health Summer Internship  
Medical Student, University College Dublin  
*Socio-demographic factors related to parent engagement in the NICU*  
\*Published, *Early Human Development*

Rishith Mishra  
STARS Program  
*Differences in Neurobehavior Among Full Term and Preterm Infants*

Gansari Aleti  
STARS Program  
*Concurrent Validity of the Neonatal Eating Outcome Assessment: Relationships to the Neonatal Oral Motor Scale*

Margaret Hughes  
STARS Program  
*The Immediate Impact of Gentle Human Touch on Preterm Infant Physiology and Behavior*

2017

Sudheesha Paladugu  
STARS Program  
*The Impact of SENSE Interventions on Maternal Mental Health*  
\*Award for research excellence

Hania Nuraini  
STARS Program,  
*Variations in Auditory Exposure in the NICU and Mother-Baby Unit*  
\*Award for research excellence

Shirsha Majumdar  
STARS Program  
*Relationship between Neurobehavior at Discharge and Long-term Neurodevelopment at 3-5 Years of Age*  
\*Award for research excellence

Sophia Li  
STARS Program  
*Comparing the Neonatal Feeding Assessment Scores of the NEO to the NOMAS*

Nikhita Kohli  
STARS Program,  
*The Importance of Cycled Lighting in the NICU*

Neha Bharadwaj  
STARS Program,  
Studies at John Hopkins University  
*The Relationship Between Feeding Behavior and Neurodevelopment in Preterm Neonates*

- Kennedi Ginger  
STARS Program  
*Feeding Coordination Problems in Preterm and Full Term Infants*  
\*Award for research excellence
- Shree Govani  
*Factors That Influence Whether Neonatal Therapists Do Parent Education In the NICU*
- 2016
- Katie Kersting  
STARS Program,  
Studies at St. Louis University  
*Prenatal Steroid Use: Relationships to Early Infant Neurobehavior*  
\*Award for research excellence
- Anhthi Luong  
STARS Program,  
Studies at Washington University  
Contributor, *Pacifier Use: Predictors and Relationships to Early Feeding Performance*  
\*Published, *Acta Paediatrica*
- Alhan Sayyed  
STARS Program,  
Studies at St. Louis University  
*Cerebral Injury in Preterm Infants and Relationships to Early Neurobehavior*  
\*Award for research excellence
- 2015
- Jennifer Donovan  
STARS Program,  
Studies at Northwestern University  
*Sensory Stimulation in the NICU*  
\*Award for research excellence
- Brittany Calkins  
STARS Program,  
Studies at Emory University  
*Current Practice Related to Sensory Based Interventions for Preterm Infants in the NICU*
- Cherry Tomatsu  
STARS Program,  
Studies at University of Delaware  
*Light in the NICU*
- 2014
- Michelle Tang  
STARS Program,  
Studies at Washington University  
*Relationships of parent engagement in the NICU with outcome*  
\*Award for research excellence
- Danielle Serota  
STARS Program,  
Colonel, Israel Defense Forces  
*Caffeine exposure and relationships to outcome in preterm infants*  
\*Award for research excellence

## **SERVICE**

### **CONSULTANTSHIPS AND ADVISORY BOARDS:**

2022	Early Intervention, Sensory, Motor, Attention and regulation, Relationships, and Together (EI SMART), Expert Panel Member
2021	California Perinatal Quality Care Collaborative (CPQCC) NICUs Enabling Optimal Brain Health (NeoBrain) Faculty Panel Member
2012	Charter Faculty Member, Neonatal Touch and Massage Certification, Creative Therapy Consultants
2014-present	Co-chair, Neonatal Therapy Certification Board
2017	Consultant, Proctor and Gamble, Newborn Division
2020	Consultant, Brigham and Women's/Harvard University, NICU research
2020-2021	Consultant, Safety Committee, e-Bio Tech, prevention of preterm labor
2021- present	Faculty Panel, NICUs Enabling Optimal Brain Health (NEOBrain), California Perinatal Quality Care Collaborative

### **PROFESSIONAL SOCIETY MEMBERSHIPS:**

<i>Year- Year</i>	
2020-2021	Member, Society for the Study of Occupation
2020-present	Member, California Occupational Therapy Association
2014-present	Member, American Academy of Pediatrics
2012-present	Member, National Association of Neonatal Therapists
2010-present	Member, American Occupational Therapy Association

### **UNIVERSITY SERVICE:**

2012-2014	Member, Curriculum Committee, Program in Occupational Therapy, Washington University
2012-2014	Member, PhD Program Development Committee, Program in Occupational Therapy, Washington University
2016-2020	Member, Diversity Committee, Program in Occupational Therapy, Washington University
2017-2020	Investigator Track Representation, Faculty Council for Program in Occupational Therapy, Washington University (Elected)
2021	PhD Scholarship Committee, University of Southern California Chan Division of Occupational Science and Occupational Therapy
2021	Strategy 2.1 Committee/Research, University of Southern California Chan Division of Occupational Science and Occupational Therapy

### **UNIVERSITY AFFILIATIONS:**

2020-present	Faculty member, Gehr Center for Health Systems Science and Innovation, USC Keck Medicine
2020-present	Faculty member, Center for the Changing Family, USC Dornsife College of Letters, Arts and Sciences
2014-2020	Member, Washington University Dissemination and Implementation Science Research
2016-2020	Member, Institute for Public Health, Washington University
2020-present	Affiliate Member, Gehr Family Center for Health Systems Science and Innovation, University of Southern California
2020-present	Member, Best Starts to Life, Children's Hospital of Los Angeles
2020-present	Member, Center for the Changing Family, University of Southern California

## **RESEARCH AND SCHOLARSHIP**

### **EDITORSHIPS AND EDITORIAL BOARDS:**

<i>Year-Year</i>	<i>Position</i>	<i>Journal/Board Name</i>
2016-2017	Invited Expert Reviewer	United Kingdom College of Occupational Therapists Section for Children, Youth, and Families: Guideline for Occupational Therapists in Neonatal Practice and Early Intervention

### **MANUSCRIPT REVIEW:**

<i>Year-Year</i>	<i>Journal</i>
2009-present	Guest Reviewer-Neonatal and Perinatal Medicine, Developmental Neurorehabilitation, Developmental Psychobiology, BMC Pediatrics, PLOS One, Pediatrics, Journal of Pediatrics, Journal of Perinatology, Acta Paediatrica, Early Human Development, Developmental Medicine and Child Neurology, Newborn Infant and Neonatal Nursing Reviews, Pain, Neonatal Network, Research in Developmental Disabilities
2010-2017	American Occupational Therapy Annual Conference Abstract Reviewer
2014-present	Review Board: American Journal of Occupational Therapy
2012-2013	National Association of Neonatal Therapists Annual Conference Abstract Reviewer

### **GRANT REVIEWS:**

<i>Year</i>	<i>Description</i>	<i>Awarding agency, City, State, Country</i>
February 17-18, 2022	Study Section Reviewer; Temporary Member	Interdisciplinary Clinical Care in Specialty Care Settings (ICSC) Study Section, National Institutes of Health (NIH)
2016-2017, 2019-present	Grant Reviewer	AOTF Intervention Grant IRG
2016-2017	Grant Reviewer	PSI Foundation

### **MAJOR AREAS OF RESEARCH INTEREST**

#### *Research Areas*

1. Investigating factors associated with cerebral alterations and adverse neurodevelopmental outcome in high risk newborn infants, specifically infants born prematurely
2. Multisensory exposures in the neonatal intensive care unit and improving the NICU environment
3. Tool development and psychometrics of neonatal neurobehavioral and feeding assessments
4. Implementation of programming to improve service delivery to high risk infants and families in the NICU and following discharge
5. Neonatal feeding and the trajectory of positive experiences with oral feeding through childhood
6. Parent engagement and participation in the NICU

**GRANT SUPPORT- CURRENT (GOVERNMENTAL):**

R01 HS026740 NICHD R01 Multisensory interventions to optimize neurodevelopmental outcomes in preterm infants hospitalized in the NICU Principal Investigator	07/2022-07/2028 \$ 3,911,770
R44 HS092210 NIH NICHD, SBIR Phase II Mechanism to Promote Safe and Efficient Oral Feeding in Preterm Infants Principal Investigator	07/03/2021-07/03/2023 \$1,730,886
R01H5028434 AHRQ R01 Implementing the Supporting and Enhancing NICU Sensory Experiences (SENSE) Program Across Sites Principal Investigator	Resubmitting Spring 2022 \$2,500,000

**GRANT SUPPORT – CURRENT (NON-GOVERNMENTAL):**

California Foundation of Occupational Therapy Increasing Access to the Supporting and Enhancing NICU Sensory Experiences (SENSE) Program Among Infants Hospitalized in California NICUs and Their Families Principal Investigator	12/08/2021-12/08/2023 \$5,000
American Academy for Cerebral Palsy and Developmental Medicine Therapeutic Intervention Supporting Development from NICU to 6 months for Infants Post Hypoxic Ischemic Encephalopathy Co-investigator	07/2021-07/2022 \$30,000
The American Occupational Therapy Foundation Implementation Research Pilot Studies Implementation of the Baby Bridge program via telehealth to enhance access to early intervention services in Los Angeles Principal Investigator	07/01/2021-07/01/2023 \$100,000
University of Southern California Center for the Changing Family Longitudinal Outcomes of Preterm Infants Study Principal Investigator	03/01/2021-03/01/2022 \$5,000
American Physical Therapy Association Development of a Research Consortium and Planning a Proposal to Evaluate the Efficacy of STEPS_H2 – Supporting Transitions by Enhancing Parent Support from Hospital to Home Co-Investigator	01/01/2021-01/01/2022 \$30,000



## GRANT SUPPORT – PAST (GOVERNMENTAL):

Washington University ICTS Just In Time Award	6/2019-11/2019
Development of the Supporting and Enhancing NICU Sensory Experiences Mobile Application	\$5,000
<u>Contributions to Science:</u> The Supporting and Enhancing NICU Sensory Experiences Mobile Application is available as a tool for parents and also as a data collection tool for clinicians and researchers. Principal Investigator	
Washington University Center for Dissemination and Implementation Seed Funding	8/1/18-1/31/20
The Baby Bridge Program: Easing the Transition from NICU to Home	\$30,000
<u>Contributions to Science:</u> Baby Bridge Program Reduces Timing to Therapy Activation Following NICU Discharge; Baby Bridge: A Sustainable Program Aimed at Reducing Gaps in Therapy Services Following NICU Discharge Principal Investigator	
R43 HD 092210-01 NIH SBIR Phase I	4/1/17-12/30/17
The Premie Pacer: An Innovative Bottle to Promote Safe and Efficient Oral Feeding in Preterm Infants	\$149,917
<u>Contributions to Science:</u> A prototype of the Premie Pacer bottle was developed; proof of concept achieved; 3 patents have been granted on this device Principal Investigator	
R24 HD 065688 NIH R24-Boston Rehabilitation Outcomes Center	7/1/14-5/1/16
Validation of a Developmental Feeding Assessment for the High Risk Infant	\$42,000
<u>Contributions to Science:</u> The Neonatal Eating Outcome Assessment, a copyrighted instrument of Washington University Office of Technology Management, was developed; Publications: Non-Nutritive Sucking in the Preterm Infant; Pacifier Use in Newborns: Related to Socioeconomic Status, But Not Early Feeding Performance; Neonatal Eating Outcome Assessment: Tool Development and Inter-rater Reliability, Relationships Between Neonatal Feeding Performance and Feeding Outcome, Inter-rater Reliability and Concurrent Validity of the Neonatal Eating Outcome Assessment. Pilot Principal Investigator; PI: Alan Jette	
K12 HD055931-06	9/15/07-8/31/17
NIH/NICHHD-Comprehensive Opportunities for Rehabilitation Researcher Training	\$488,127
<u>Contributions to Science:</u> Maternal Mental Health During the Neonatal Period: Relationships to the Occupation of Parenting; Occupational Therapy, Physical Therapy and Speech-Language Pathology in the Neonatal Intensive Care Unit: Patterns of Therapy Usage in a Level IV NICU; Auditory Exposure in the Neonatal Intensive Care Unit: Room Type and Other Predictors K12 Scholar; PI: Michael Mueller	

P30 HD062171	8/1/10-6/30/15
NIH/NICHD- Washington University Intellectual and Developmental Disabilities Research Center (WUIDDRC)	\$4,500,000
<u>Contributions to Science:</u> Early Therapy Services Following Neonatal Intensive Care Unit Discharge; Feeding: An Important, Complex Skill that Impacts Nutritional, Social, Motor and Sensory Experiences; Head Lag in Infancy: What is it Telling Us?; Brain Injury and Development in Preterm Infants Exposed to Fentanyl: A Pilot Randomized Trial of High-Dose Caffeine Therapy in Preterm Infants; Maternal Obesity and Increased Risk for Autism and Developmental Delay Among Very Preterm Infants; Cerebral Maturation on Amplitude Integrated Electroencephalography and Perinatal Exposures in Preterm Infants; Factors Associated with Developmental Concern and Intent to Access Therapy Following Discharge from the NICU	
Co-Investigator; PI: Terrie Inder	
R01 HD057098	04/01/08-03/31/13
NIH/NICHD R01	
Understanding neurobehavioral deficits in preterm infants through imaging	\$2,945,678
<u>Contributions to Science:</u> Sensory Processing Disorder In Preterm Infants During Early Childhood and Relationships to Early Neurobehavior; Defining the Nature and Implications of Head Turn Preference in the Preterm Infant; Alterations in Brain Structure and Neurodevelopmental Outcome in Preterm Infants Hospitalized in Different Neonatal Intensive Care Unit Environments; Psychometrics of the Neonatal Oral Motor Assessment Scale; Factors Associated with Feeding Difficulties in the Preterm Infant; Parental Presence and Holding in the Neonatal Intensive Care Unit and Associations with Early Neurobehavior; Patterns of Altered Neurobehavior in Preterm Infants Within the Neonatal Intensive Care Unit; The Single Patient Room in the NICU: Maternal and Family Effects	
Co-Investigator; PI: Terrie Inder	

**GRANT SUPPORT – PAST (NON-GOVERNMENTAL):**

CTSA Voucher Program	9/1/20-9/1/21
NIH/NCATS <i>UL1TR001855 and UL1TR000130</i>	
SENSE Mobile Application	\$3,000
Principal Investigator	
Gordon and Betty Moore Foundation	12/1/15-11/30/19
Engaging Families in NICU Care to Optimize Outcomes of Preterm Infants	\$502,000
<u>Contributions to Science:</u> The Supporting and Enhancing NICU Sensory Experiences (SENSE) program; Supporting and Enhancing NICU Sensory Experiences (SENSE): Defining developmentally-appropriate sensory exposures for high-risk infants; A Community Hospital NICU Developmental Care Partner Program: Feasibility and Association With Decreased Nurse Burnout Without Increased Infection Rate; Parent Participation in the Neonatal Intensive Care Unit: Predictors and Relationships to Neurobehavior and Developmental Outcomes; Enhancing Sensory Experiences For Very Preterm Infants in the NICU: An Integrative Review; Health Care Professionals' Perceptions about Sensory-Based Interventions in the NICU; Supporting and Enhancing NICU Sensory Experiences (SENSE): Defining Developmentally-Appropriate Sensory Exposures for High-Risk Infants; Differences in Auditory Exposures Across Neonatal Environments	
Principal Investigator	

University Research Strategic Alliance	9/1/14-12/30/17
Defining and Implementing Sensory Based Interventions in the NICU	\$25,000
<u>Contributions to Science:</u> Enhancing Sensory Experiences for Very Preterm Infants in the NICU: An Integrative Review; Determining Appropriate Sensory Exposures in the NICU: Too Much, Too Little, or Just Right?; Health Care Professionals' Perceptions about Sensory-Based Interventions in the NICU; The Supporting and Enhancing NICU Sensory Experiences (SENSE) Program	
Principal Investigator	
New Resource Proposal-McDonnell Center for Systems Neuroscience	8/1/13-8/1/14
Exploring differences in brain structure among infants in different neonatal intensive care unit environments	\$38,000
Principal Investigator	
Occupational Therapy Development Award	1/1/13-1/1/15
Differences in sensory exposures across different neonatal intensive care unit environments	\$40,000
Principal Investigator	

**ISSUED AND PENDING PATENTS & COPYRIGHTS:**

2020	US application 16,734,059 filed on 1/3/20 and pending; alternative methods of dosing for the Automatic Pacing System for a Baby Bottle
2020	Automatic Pacing System for a Baby Bottle, Premie-Pacer, LLC; US Patent 10,555,875 issued 2/11/20
2019	Automatic Pacing System for a Baby Bottle, non-provisional patent, Premie-Pacer, LLC; US Patent 10,434,035 issued 10/8/19
2017	Supporting and Enhancing NICU Sensory Exposures (SENSE), copyright, Washington University <a href="https://otm.wustl.edu/for-industry/tools/supporting-enhancing-nicu-sensory-experiences-sense/">https://otm.wustl.edu/for-industry/tools/supporting-enhancing-nicu-sensory-experiences-sense/</a>
2015	Automatic Pacing System for a Baby Bottle, provisional patent, Premie-Pacer, LLC; Original Patent US 9,033,167 issued 5/19/15
2014	The Neonatal Eating Outcome Assessment, copyright, Washington University <a href="https://otm.wustl.edu/for-industry/tools/neo-assessment/">https://otm.wustl.edu/for-industry/tools/neo-assessment/</a>

**INVITED LECTURES, SYMPOSIA, KEYNOTE ADDRESSES**

2022	Pineda, R. (2022, March). <i>Optimizing the NICU environment to improve outcomes of preterm infants and their families</i> , keynote address, Herman Ostrow School of Dentistry of USC 2022 Annual Day of Research, Los Angeles, CA.
2021	Pineda, R. (2021, November). <i>Optimizing the NICU environment through the Supporting and Enhancing NICU Sensory Experiences (SENSE) program and Defining age-appropriate neonatal feeding skills and alterations in feeding performance using the Neonatal Eating Outcome Assessment</i> , Neonatal Care at its Best: 2021, Tarzana, CA.

- 2021 Pineda, R. (2021, October). *Optimizing the NICU environment through the Supporting and Enhancing NICU Sensory Experiences (SENSE) program*, Harvard; Brigham and Women's Hospital Grand Rounds, Boston, MA.
- 2021 Pineda, R. (2021, September). *Specialized neonatal therapy services in the NICU*, Keynote Address, Hamad Medical Corporation, Qatar.
- 2021 Pineda, R. (2021, August). *Optimizing the NICU environment through the Supporting and Enhancing NICU Sensory Experiences (SENSE) program*, Cleveland Clinic Grand Rounds, Cleveland, OH.
- 2021 Pineda, R. (2021, August). *Optimizing the NICU Environment Through the Supporting and Enhancing NICU Sensory Experiences (SENSE) Program*. Therapy Department, Children's Hospital, Los Angeles, CA.
- 2021 Pineda, R. (2021, May). *Optimizing the NICU Sensory Environment*, USC Pediatric Grand Rounds, Los Angeles, CA.
- 2021 Pineda, R. (2021, April). *Long term outcomes of high risk babies*, invited international speaker, Perinatal Society of Australia and New Zealand, Sydney, Australia (postponed from 2020 until 2021 due to COVID-19).
- 2020 Pineda, R. (2020, June). *Overcoming the trauma of being in the NICU through strategies to maximize parent engagement*, invited lecture, 7<sup>th</sup> Annual Updates in Developmental and Behavioral Pediatrics, Los Angeles, CA (virtual due to COVID-19).
- 2020 Pineda, R. (2020, April). *Supporting and Enhancing NICU Sensory Experiences workshop*, invited lecture, Mater Children's Hospital, Brisbane, Australia (postponed until 2021 due to COVID-19).
- 2019 Pineda, R. (2019, September). *Assessment and Intervention for the High Risk Infant in the NICU and After Discharge*, invited conference presenter, Delhi followed by Mumbai, India
- 2019 Pineda, R. (2019, September). *Early feeding assessment and interventions in the NICU setting*, invited panelist for medical faculty and fellows, Government Hospital, New Delhi, India
- 2019 Pineda, R. (2019, May). *Sensory Based Experiences to Optimize Outcomes in High Risk Neonates*, keynote address, First Annual Occupational Therapy Congress, Monterrey, Mexico
- 2019 Pineda, R. (2019, May). *Early Neonatal Feeding Assessment Using the Neonatal Eating Outcome Assessment*, keynote address, First Annual Occupational Therapy Congress, Monterrey, Mexico
- 2019 Pineda, R. (May 2019). *Early Experiences in the NICU and Relationships to Neurodevelopmental Outcomes*, plenary session, Nationwide Perinatal Conference, Columbus, OH.
- 2019 Pineda, R. (2019, February). *Supporting and Enhancing NICU Sensory Experiences (SENSE)*, Occupational Therapy Grand Rounds, Saint Louis MO
- 2018 Pineda, R. (2018, November). *Supporting and Enhancing NICU Sensory Experiences (SENSE) to Optimize Early Brain Development*, Patricia Buehler Award Lecture, Los Angeles, CA
- 2018 Pineda, R. (2018, September). *Every Experience Matters*, keynote address, The Association of Paediatric Chartered Physiotherapists Joint Annual Study Day for Professionals in Neonatal Care-The Sensory World of the Infant, London, United Kingdom

- 2018 Pineda, R. (2018, September). *Supporting and Enhancing NICU Sensory Experiences (SENSE)*, The Association of Paediatric Chartered Physiotherapists Joint Annual Study Day for Professionals in Neonatal Care-The Sensory World of the Infant, London, United Kingdom
- 2018 Pineda, R. (2018, June). *The Development of a Structured Sensory-Based Guideline: Supporting and Enhancing NICU Sensory Experiences (SENSE)*, invited presenter for national webinar for Dandle Lion Medical
- 2017 Pineda, R. (2017, November). *Assessment and Intervention for the High Risk Infant in the NICU and After Discharge*, invited conference presenter, Providence Health Systems, Portland, OR
- 2017 Pineda, R. (2017, November). *Neurobehavioral and Feeding Assessment for the High Risk Infant*, keynote address, Oklahoma Association of Neonatal and Pediatric Therapists, Oklahoma University, Oklahoma City, OK
- 2017 Pineda, R. (2016, February). *Assessment and Intervention for the High Risk Infant in the NICU and After Discharge*, invited conference presenter, Texas Children's Hospital, Houston, TX
- 2016 Pineda, R. (2016, April). *Neonatal Therapy Certification: an Update*, invited presentation at the National Association of Neonatal Therapists, Orlando, FL.
- 2016 Pineda, R. (2016, September). *Assessment and Intervention for the High Risk Infant in the NICU and After Discharge*, invited conference presenter, Tufts Children's Hospital, Boston, MA.
- 2016 Pineda, R. (2016, August). *Enhancing Sensory Experiences for Preterm Infants in the NICU*, invited presenter for national webinar through Innara Health.
- 2016 Pineda, R. (2016, March). *Neonatal Neurobehavioral Assessment*, invited presenter for national webinar for Dandle Lion Medical.
- 2015 Pineda, R. (2015, January). *The NICU Environment and the Developing Brain*, invited lecture, University of Utah, Salt Lake City, UT.
- 2015 Pineda, R. (2015, January). *Occupational Therapy in the NICU*, invited lecture, University of Utah, Salt Lake City, UT.
- 2014 Pineda, R. (2014, July). *The Environment and the Developing Brain*, invited faculty, Women and Infants Conference, Goldfarb School of Nursing, St. Louis, MO.
- 2014 Pineda, R. (2014, January). *Development of the High Risk Infant in the NICU*, invited faculty for national online educational initiative, Neonatal Touch and Massage Certification.
- 2013 Pineda, R. (2013, April). *The NICU Environment: Implications for Neurodevelopmental Care*, invited faculty, The National Association of Neonatal Therapists Annual Conference, Dallas, Texas.
- 2013 Pineda, R. (2013, February). *The NICU Environment: Implications for Neurodevelopmental Care*, invited faculty, Graven's Conference on the Physical and Developmental Environment of the High Risk Infant Conference, Sand Key, FL.
- 2012 Pineda, R. (2012, January). *Brain Development of the High Risk Infant and the Role of the Environment*, invited faculty for national online educational initiative, Neonatal Touch and Massage Certification.
- 2011 Brown, N., Pineda, R. (2011, September). *Neurobehavioral Assessment of the High Risk Infant*, invited faculty presenter, Newborn Brain Symposium, St Louis. MO.

## **PEER REVIEWED PUBLICATIONS:**

### **REFEREED JOURNAL ARTICLES:**

**Pineda R**, Foss J, Richards L, Pane C (2009). Breastfeeding changes for VLBW infants in the NICU following staff education. *Neonatal Network: The Journal of Neonatal Nursing*, 28(5), 311-9.

**Pineda R**. (2011). Predictors of breastfeeding and breastmilk feeding among very low birth weight infants. *Breastfeeding Medicine*, 6(1), 15-9.

**Pineda R**. (2011). Direct breastfeeding in the neonatal intensive care unit: Is it important? *Journal of Perinatology*, 31(8), 540-5.

Smith GC, Gutovich J, Smyser C, **Pineda R**, Newnham C, Tjoeng H, Vavasseur C, Wallendorf M, Neil J, Inder T. (2011). Neonatal intensive care unit stress is associated with brain development in preterm infants. *Annals of Neurology*, 70(4), 541-9.

**Pineda R**, Rogers C, Duncan M, Stransky K, Neil J, Inder T. (2012). The single patient room in the NICU: Maternal and family effects. *Journal of Perinatology*, 32(7), 545-51.

**Pineda RG**, Tjoeng TH, Vavasseur C, Kidokoro H, Neil JJ, Inder T. (2013). Patterns of altered neurobehavior in preterm infants within the Neonatal Intensive Care Unit. *The Journal of Pediatrics*, 162(3): 470-476.

**Pineda RG**, Castellano A, Rogers C, Neil JJ, Inder T. (2013). Factors associated with developmental concern and intent to access therapy following discharge from the NICU. *Pediatric Physical Therapy*, 25(1), 62-69.

Zarem C, Crapnell T, Tiltges L, Madlinger L, Reynolds L, Lukas K, **Pineda R**. (2013). Neonatal nurses' and therapists' perceptions of positioning for preterm infants in the Neonatal Intensive Care Unit. *Neonatal Network: The Journal of Neonatal Nursing*, 32(2), 110-116.

Reynolds LC, Duncan MM, Smith GC, Mathur A, Neil J, Inder T, **Pineda R**. (2013). Parental presence and holding in the neonatal intensive care unit and associations with early neurobehavior. *Journal of Perinatology*, 33(8), 636-41.

Reynolds LC, Crapnell T, Zarem C, Madlinger L, Tiltges L, Lukas K, **Pineda R**. (2013). Nursing perceptions of clinical research in the neonatal intensive care unit. *Newborn and Infant Nursing Reviews*, 13(2), 62-66.

Zarem C, Kidokoro H, Neil J, Wallendorf M, Inder T, **Pineda R**. (2013). Psychometrics of the Neonatal Oral Motor Assessment Scale. *Developmental Medicine & Child Neurology*, 55(12), 1115-1120.

Crapnell T, Rogers C, Neil J, Inder T, **Pineda R**. (2013). Factors associated with feeding difficulties in the very preterm infant. *Acta Paediatrica*, 102(12), e539-e545.

Reynolds L, **Pineda R**, Mathur A, Vavasseur C, Shah D, Liao S, Inder T. (2014). Cerebral maturation on amplitude-integrated electroencephalography and perinatal exposures in preterm infants. *Acta Paediatrica*, 103(3): e96-e100.

**Pineda R**, Neil J, Dierker D, Smyser C, Wallendorf M, Kidokoro H, Reynolds L, Walker S, Rogers C, Mathur A, Van Essen D, Inder T. (2014). Alterations in brain structure and neurodevelopmental outcome in preterm infants hospitalized in different neonatal intensive care unit environments. *Journal of Pediatrics*, 164(1), 52-60.

Madlinger-Lewis L, Reynolds L, Zarem C, Crapnell T, Inder T, **Pineda R**. (2014). The effects of alternative positioning on preterm infants in the neonatal intensive care unit: A randomized clinical trial. *Research in Developmental Disabilities*, 35(2), 490-7.

- Reynolds L, Inder T, Neil J, **Pineda R**, Rogers C. (2014). Maternal obesity and increased risk for autism and developmental delay among very preterm infants. *Journal of Perinatology*, 34(9): 688-92.
- McPherson C, Neil J, Tjoeng H, **Pineda R**, Inder T. (2015). A pilot randomized trial of high-dose caffeine therapy in preterm infants. *Pediatric Research*, 78 (2): 198-204.
- Pineda R**, Melchior K, Oberle S, Inder T, Rogers C. (2015). Assessment of autism symptoms during the neonatal period: is there early evidence of autism risk? *American Journal of Occupational Therapy*, 68 (4): 1-11.
- Pineda R**, Seefeldt K, Reynolds L, Hilton C, Rogers C, Inder T. (2015). Head lag in infancy: what is it telling us? *American Journal of Occupational Therapy*, 70 (1): p-1-8.
- McPherson C, Haslam M, **Pineda R**, Rogers C, Neil J, Inder T. (2015). Brain injury and development in preterm infants exposed to fentanyl. *Annals of Pharmacotherapy*, 49 (12): 1291-7.
- Crapnell T, Woodward L, Rogers C, Inder T, **Pineda R**. (2015). Neurodevelopmental profile, growth and psychosocial environment of preterm infants with difficult feeding behavior at age 2 years. *Journal of Pediatrics*, 167 (6): 1347-53.
- Smith J, **Pineda R**. (2016). Determining appropriate sensory exposures in the NICU: too much, too little or just right? *Neonatal Network*, 35 (2).
- Dunsirn S, Smyser C, Liao S, Inder T, **Pineda R**. (2016). Defining the nature and implications of head turn preference in the preterm infant. *Early Human Development*, 96: 53–58.
- Pineda R**. (2016). Feeding: an important, complex skill that impacts nutritional, social, motor and sensory experiences. *Acta Paediatrica*, 105(10).
- Pineda R**, Guth R, Herring A, Reynolds L, Oberle S, Smith J. (2016). Enhancing sensory experiences for preterm infants in the NICU: An integrative review. *Journal of Perinatology*, 37(4):323-332.
- Nwabara O, Rogers C, Inder T, **Pineda R**. (2016). Early therapy services following neonatal intensive care unit discharge. *Physical and Occupational Therapy in Pediatrics*, 37(4):414-424.
- Pineda R**, Durant P, Mathur A, Inder T, Schlaggar B. (2017). Auditory exposure in the neonatal intensive care unit: room type and other predictors. *Journal of Pediatrics*, 183: 56-66.e3.
- Ross K, Heiny E, Conner S, Spener P, **Pineda R**. (2017). Occupational therapy, physical therapy and speech-language pathology in a level IV NICU. *Research in Developmental Disabilities*, 64:108-117.
- Ryckman, J, Hilton, C, Rogers, C, **Pineda, R**. (2017). Sensory processing disorder in preterm infants during early childhood and relationships to early neurobehavior, *Early Human Development*, 113:18-22.
- Pineda R**, Harris R, Foci F, Roussin J, Wallendorf M. (2018). The Neonatal Eating Outcome Assessment: Tool development and inter-rater reliability. *Acta Paediatrica*, 107 (3): 414-424.
- Pineda R**, Luong A, Ryckman J, Smith JR. (2018). Pacifier use in newborns: related to socioeconomic status but not to early feeding performance. *Acta Paediatrica*, 107(5):806-810.
- Pineda R**, Bender J, Hall B, Shabosky L, Annecca A, Smith JR. (2018). Parent participation in the neonatal intensive care unit: Predictors and relationships to neurobehavior and developmental outcomes. *Early Human Development*, 117:32-38.
- Harris R, Gibbs D, Mangin-Heimos K, **Pineda R**. (2018). Maternal mental health during the neonatal period: Relationships to the occupation of parenting. *Early Human Development*, 120: 31-39.
- Pineda R**, Dewey K, Jacobsen A, Smith J. (2019). Non-nutritive sucking in the preterm infant. *American Journal of Perinatology*, 36 (3): 268-276.

- Pineda R**, Roussin J, Heiny E, Smith JR. (2019). Health care professionals' perceptions about sensory-based interventions in the NICU. *American Journal of Perinatology*, 36(12):1229-1236.
- Clubbs B, Barnette A, Gray N, Weiner L, Harden J, Bond A, **Pineda R**. (2019). A community hospital developmental care partner program: feasibility and association with decreased nurse burnout without increased infection rates. *Advances in Neonatal Care*, 19(4): 311-320.
- Pineda R**, Raney M, Smith J. (2019). Supporting and Enhancing NICU Sensory Experiences (SENSE): defining developmentally-appropriate sensory exposures for high-risk infants. *Early Human Development*, 133:29-35.
- Pineda R**, Degaetano S, Kindra M, Hand T, Craig J, Fernandez-Fernandez A, Collette D. (2019). Neonatal therapy: a survey of current practice. *Journal of Pediatric Rehabilitation*. 12(3): 285-294.
- Liszka L, Smith J, Mathur A, Schlaggar B, Colditz G, **Pineda R**. (2019). Differences in auditory exposure across neonatal environments. *Early Human Development*, 136:27-32.
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- Pineda R**, Liszka L, Kwon J, Wallendorf M. (2020). Inter-rater reliability and concurrent validity of the Neonatal Eating Outcome assessment. *American Journal of Occupational Therapy*, 74 (2).
- Pineda R**, Munoz R, Chrzastowski H, Dunsirn-Baillie S, Smith J. (2020). Maternal milk and relationships to early neurobehavioral outcome in preterm infants. *Journal of Perinatal and Neonatal Nursing*, 34 (1): 72-79.
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- Pineda R**, Wallendorf M, Smith J. (2020). A pilot study demonstrating the impact of the Supporting and Enhancing NICU Sensory Experiences (SENSE) program on the mother and infant. *Early Human Development*, 144: 105000.
- Pineda R**, Heiny E, Nellis P, Smith J. (2020). The Baby Bridge Program: A sustainable program that can improve therapy service delivery for preterm infants following NICU discharge. *PLOS One*, online, published May 29, 2020.
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- Pineda R**, Kwon J, Kellner P, Wallendorf M, Smith J. (2020). Neonatal feeding performance is related to feeding outcomes in childhood. *Early Human Development*, 151:105202.
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- Pineda R**, Roussin J, Kwon J, Heiny E, Colditz G, & Smith J. (2021). Applying the RE-AIM Framework to evaluate the implementation of the Supporting and Enhancing NICU Sensory Experiences (SENSE) program. *BMC Pediatrics*, 21:137.



**Pineda R**, Smith J, Roussin J, Wallendorf M, Kellner P, Colditz G. (2021). Randomized clinical trial investigating the effect of consistent, developmentally-appropriate, and evidence-based multisensory exposures in the NICU. *Journal of Perinatology*, 41(10), 2449-2462.

Whitehill L, Smith J, Colditz, G, Le T, Kellner P, **Pineda R**. (2021). Socio-demographic factors related to parent engagement in the NICU and the impact of the SENSE program. *Early Human Development*, 163, 105486.

**Pineda R**, Lisle J, Ferrara L, Knudsen K, Kumar R, Fernandez-Fernandez A. (2021). Neonatal therapy staffing in the United States and relationships to NICU type and location, level of acuity and population factors. *American Journal of Perinatology*. Advance online publication.

Richter M, Smith J, **Pineda R**. (2022). Health care professional perceptions about a proposed NICU intervention: The importance of community and aligning everyday occupations. *OTJR: Occupation, Participation and Health*. Advance online publication.

Kellner P, Kwon J, Smith J, **Pineda R**. (2022). Neurodevelopmental outcomes following preterm birth and the association with postmenstrual age at discharge. *American Journal of Perinatology*. Advance Online Publication.

Richter M, Fehringer K, Smith J, **Pineda, R**. Parent-infant interaction in the NICU: Challenges in outcome measurement. Manuscript submitted to *Early Human Development*.

**Pineda R**, Liszka L, Tran P, Kwon J, Inder T. Differences in neurobehavior between low-risk very preterm infants at term and full-term infants. Manuscript submitted to *American Journal of Perinatology*.

Lisle J, Buma K, Smith J, Lawlor M, **Pineda R**. Maternal perceptions of sensory-based interventions: a qualitative study. Washington University and University of Southern California, manuscript submitted to *BMC Pediatrics*.

Grabill M, Smith J, Ibrahim C, **Pineda R**. The prevalence of early feeding alterations in preterm infants: relationships to early neurobehavior. Washington University and University of Southern California, manuscript submitted to *Research in Developmental Disabilities*

**Pineda R**, Liszka L, Smyser C, Rogers C, Inder T. Early neurobehavior at in preterm infants at term equivalent age is related to neurodevelopmental outcomes. Washington University and University of Southern California, in preparation.

**R Pineda**, Guth R, Gronenmeyer A, Kellner P, Smith J. Sensory experiences for preterm infants in the NICU: An integrative review of evidence over the past 5 years. In preparation.

## **BOOKS, MONOGRAPHS, AND TEXT BOOKS:**

**Pineda R**, Smith J. (2021). NANN Developmental Care, The NICU Sensory Environment, Chapter 15, in press.

Smith J, Raney M, **Pineda R**. (2019). Clinical Guidelines in Neonatology, Developmental Care, Chapter 57, pages 577-583.

## **ABSTRACTS AND PRESENTATIONS:**

**Pineda R**. (2022, April). *Optimizing the early sensory environment: An update on the evidence*, presentation, National Association of Neonatal Therapists Annual Conference, Cincinnati, OH.

**Pineda R**. & Liszka L. (2022, April). *Raising the next generation of neonatal therapists*, presentation, National Association of Neonatal Therapists Annual Conference, Cincinnati, OH.

**Pineda R**. & Liszka L. (2022, April). *Differences in neurobehavior between low-risk preterm infants at term and full-term infants*, poster, National Association of Neonatal Therapists Annual Conference, Cincinnati, OH.

- Pineda R.** & Richter M. (2022, April). *Measures of parent-infant interaction in the NICU: Are they measuring what we think they are measuring?*, poster, National Association of Neonatal Therapists Annual Conference, Cincinnati, OH.
- Pineda R.** & Richter M. (2022, April). *Acceptability of volunteers in the NICU*, poster, National Association of Neonatal Therapists Annual Conference, Cincinnati, OH.
- Pineda R.** (2022, March). *Optimizing the NICU environment by engaging families in providing age-appropriate sensory exposures*, presentation, Graven's Conference on the Environment of Care for High Risk Newborns, Clearwater Beach, FL.
- Pineda R.** (2022, March) *Supporting and Enhancing NICU Sensory Experiences (SENSE)*, workshop, Graven's Conference on the Environment of Care for High Risk Newborns, Clearwater Beach, FL.
- Pineda R.** (2022, March). *Transition to oral feeding*. California Association of Neonatologists Annual Cool Topics in Neonatology Conference, Coronado, CA.
- Pineda R.** (2021, December). *Optimizing the NICU environment through the Supporting and Enhancing NICU Sensory Experiences (SENSE) program*, Banner Health, Tuscon, AZ (virtual).
- Pineda R.** (2021, December). *Optimizing the NICU environment through the Supporting and Enhancing NICU Sensory Experiences (SENSE) program*, Australia OT Society Forum, Melbourne, Australia (virtual).
- Pineda R.** (2021, November). *How the COVID-19 pandemic has shaped early NICU experiences*. USC Chan Occupational Science Symposium, Los Angeles, CA (virtual due to COVID-19).
- Pineda R.** & Schneider, S. (2021, November). *Increasing visibility and highlighting the value of a small certification program*. Institute for Credentialing Excellence (ICE) EXG 2021, Nashville, TN.
- Pineda R.** & Knudsen, K. (2021, August). *Optimizing the NICU environment through the Supporting and Enhancing NICU Sensory Experiences (SENSE) program*, Early Cerebral Palsy e-health Summit, virtual.
- Richter, M., Duker, L.S., Kwon, J., & **Pineda R.** (2021, May). *Feasibility of psychophysiological measure of parental stress in the NICU*, poster, Ostrow Research Day, virtual (due to COVID-19).
- Pineda R.** (2021, April). *Neonatal feeding assessment and nutritional interventions*, Feeding Matters Conference, virtual (due to COVID-19).
- Pineda R.** (2021, April). *The early sensory environment, Small baby course*, short course, Synapse Care Solutions, virtual (due to COVID-19).
- Pineda R.** & Liszka, L. (2021, April). *The body of neonatal therapists in the United States*. National Association of Neonatal Therapists Annual Conference, virtual (due to COVID-19).
- Pineda R.** & Liszka, L. (2021, April). *What's everyone talking about?* National Association of Neonatal Therapists Annual Conference, virtual (due to COVID-19).
- Kwon, J, Kellner, P, & **Pineda R.** (2021, April). *Neurodevelopmental outcomes following preterm birth: Does PMA at NICU discharge matter?*, poster, National Association of Neonatal Therapists Annual Conference, virtual (due to COVID-19).
- Duker, L, Kwon, J, Smith, J & **Pineda R.** (2021, April). *Acceptability and feasibility of wearable sensors in the NICU: Psychophysiological measures of parental stress*, poster, National Association of Neonatal Therapists Annual Conference, virtual (due to COVID-19).
- Pineda R.** (2021, March). *SENSE: A sensory-based NICU intervention program*. Perinatal Society of Australia and New Zealand Annual Congress, virtual (due to COVID-19).

**Pineda R.** (2021, March). *Optimizing the NICU environment for the extremely low birth weight infant*. California Association of Neonatologists Annual Cool Topics in Neonatology Conference, virtual (due to COVID-19).

**Pineda R,** Grabill M. (2020, April). *Using the Neonatal Eating Outcome Assessment to inform NICU practice*, National Association of Neonatal Therapists Annual Conference, Cincinnati OH (moved online due to COVID-19).

Kwon J, **Pineda R.** (2020, March). *The Neonatal Eating Outcome Assessment for identifying early feeding performance*, accepted oral presentation abstract, American Occupational Therapy Association Annual Conference, Boston MA (cancelled due to COVID-19).

**Pineda R.** (2019, December). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, USC Verdugo Hills Hospital, Glendale, CA.

**Pineda R.** (2019, November). *Rolling applications or deadlines? Lessons learned by the Neonatal Therapy National Certification Board*, Institute for Credentialing Excellence Annual Conference, San Diego, CA.

**Pineda R.** (2019, November). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, St. Mary's Hospital for Children, Valhalla, NY.

**Pineda R.** (2019, October). *NICU Network Neurobehavioral Scale certification course*, trainer, Saint Louis, MO.

**Pineda R.** (2019, October). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, Mercy Children's Hospital, Kansas City, MO.

Corder M, **Pineda R.** (2019, October). *The NICU environment: providing appropriate modifications to support infant development*, short course, Missouri Occupational Therapy Association Annual Conference, Kansas City, MO.

**Pineda R.** (2019, June). *Tool development, inter-rater reliability and validity of a new neonatal feeding assessment*, presentation, OT Summit, Charleston, SC.

**Pineda R.** (2019, May). *Neurobehavioral assessment in high risk infants*, preconference workshop, First Annual International Occupational Therapy Congress, Monterrey, MX.

Parga-Belinkie J, Elci O, **Pineda R,** Hoffman C, Van Wagner A, Versaw-Barnes D, Velis J, Nawab U. (May, 2019). *Developmental aids for premature infants (DAPI Study)*, poster, Pediatric Academic Societies, Baltimore, MD.

**Pineda R.** (May 2019). *Supporting and Enhancing NICU Sensory Experiences (SENSE) to optimize outcomes*, break out session, Nationwide Perinatal Conference, Columbus, OH.

**Pineda R.** (2019, April). *The role of the neonatal therapist*, webinar, Pi Theta at MGH Institute for Health Professions.

**Pineda R,** Smith J. (2019, April). *The development of a structured sensory-based guideline: Supporting and Enhancing NICU Sensory Experiences (SENSE)*, short course, American Occupational Therapy Association Annual Conference, New Orleans, LA.

**Pineda R.** (2019, April). *The Neonatal Eating Outcome Assessment: A new developmental feeding assessment for preterm infants in the NICU*, scientific research panel, American Occupational Therapy Association Annual Conference, New Orleans, LA.

Kwon J, Tran P, Liska L, Annecca A, **Pineda R.** (2019, April). *Pacifier use in newborns: Related to socioeconomic status but not early feeding performance*, poster, American Occupational Therapy Association Annual Conference, New Orleans, LA.

Grabill M, Buma K, **Pineda R.** (2019, April). *Early feeding behaviors in preterm infants and their relationships to neurobehavior*, poster, American Occupational Therapy Association Annual Conference, New Orleans, LA.

Liszka L, Crabtree M, **Pineda R.** (2019, April). *Differences in early auditory exposure across neonatal environments*, poster, American Occupational Therapy Association Annual Conference, New Orleans, LA.

Collins M, Tenbarga S, **Pineda R.** (2019, April). Bridging the gap in therapy activation after discharge from the neonatal intensive care unit (NICU), poster, American Occupational Therapy Association Annual Conference, New Orleans, LA.

Rolling M, Prince D, Harris R, **Pineda R.** (2019, April). *The role of OT in maternal health: mental and physical health during pregnancy and postpartum*, short course, American Occupational Therapy Association Annual Conference, New Orleans, LA.

**Pineda R,** Smith J, Connell K. (2019, April). *The Supporting and Enhancing NICU Sensory Experiences Program: implementation strategies and emerging research*, pre-conference institute, National Association of Neonatal Therapists, Phoenix, AZ.

**Pineda R,** Poskey G. (2019, April). *Neonatal therapy science: The year in review*, oral presentation at the National Association of Neonatal Therapists, Phoenix, AZ.

**Pineda R.** (2019, March). *Supporting and Enhancing NICU Sensory Experiences (SENSE)*, workshop at the Graven's Conference on the Physical and Developmental Environment of the High Risk Infant Conference, Sand Key, FL

**Pineda R.** (2019, February). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, Children's Healthcare of Atlanta, Atlanta, GA.

**Pineda R.** (2019, February). *NICU Network Neurobehavioral Scale certification course*, trainer, Saint Louis MO and Indianapolis, IN.

**Pineda R.** (2019, February). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, St. Elizabeth Hospital, Erlanger, KY.

**Pineda R.** (2019, January). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, Memorial Hospital, Tucson, AZ.

**Pineda R.** (2018, November). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, North Memorial Hospital, Minneapolis MN.

**Pineda R.** (2018, October). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, Georgetown Hospital, Washington DC.

**Pineda R.** (2018, September). *Assessment and intervention with the high-risk infant in the NICU and at home*, invited conference presenter, Hammersmith Hospital, London UK.

**Pineda R.** (2018, June). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, St. Mary's Children's Hospital, Bayside, NY.

**Pineda R.** (2018, June). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, Memorial Hospital, Fort Lauderdale, FL.

**Pineda R.** (2018, June). *Supporting and Enhancing NICU Sensory Experiences*, oral presentation at the OT Summit, Kansas City, MO.

Siemon J, Knudsen K, **Pineda R.** (2018, April). *Neonatal therapy certification: Overview and characteristics of the first cohort*, poster presentation at the American Occupational Therapy Annual Conference, Salt Lake City, UT.

Wolf S, Rolling M, **Pineda R**, Heiny E. (2018, April). *Occupational therapy for at-risk infants*, poster presentation at the American Occupational Therapy Annual Conference, Salt Lake City, UT.

Poskey G, **Pineda R**. (2018, April). *Neonatal therapy science: The year in review*, oral presentation at the National Association of Neonatal Therapists, Charlotte, NC.

**Pineda R**, Smith JR. (2018, April). *The development of a structured sensory-based guideline: Supporting and Enhancing NICU Sensory Experiences (SENSE)*, oral presentation at the National Association of Neonatal Therapists, Charlotte, NC.

Anneca A, Liszka L, **Pineda R**, Luong A, Ryckman J, Smith J.R. (2018, April). *Pacifier use in newborns: related to socioeconomic status but not to early feeding performance*, poster presentation at the National Association of Neonatal Therapists, Charlotte, NC.

**Pineda R**, Knudsen K. (2018, March). *Neonatal therapy certification: Overview and characteristics of the first cohort*, oral presentation at the Graven's Conference for the Physical and Developmental Environment of the High Risk Infant, Clearwater Beach, FL.

**Pineda R**, Smith JR. (2018, March). *The development of a structured sensory-based guideline: Supporting and Enhancing NICU Sensory Experiences (SENSE)*, oral presentation at the Graven's Conference for the Physical and Developmental Environment of the High Risk Infant, Clearwater Beach, FL.

**Pineda R**. (2018, March). *The Neonatal Eating Outcome (NEO) Assessment: A new developmental feeding assessment for preterm infants in the NICU*, oral presentation at the Graven's Conference for the Physical and Developmental Environment of the High Risk Infant, Clearwater Beach, FL.

**Pineda R**. (2018, February). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, Baylor Scott and White Hospital, Temple TX.

**Pineda R**. (2018, January). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, Novant Hospital, Mathews, NC.

**Pineda R**. (2017, October). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, Mercy Hospital, Saint Louis, MO.

**Pineda R**. (2017, June). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, Danbury Hospital, Danbury, CT.

**Pineda R.**, Poskey G. (2017, April). *Neonatal therapy science: The year in review*, oral presentation at the National Association of Neonatal Therapists, Phoenix, AZ.

Harris R, Ryckman J, **Pineda R**. (2017, April). *Maternal mental health during NICU hospitalization: Relationships to parental role, confidence and engagement in the NICU*, oral presentation at the National Association of Neonatal Therapists, Phoenix, AZ.

**Pineda R**, Ross K. (2017, April). *The Neonatal Eating Outcome (NEO) Assessment: A new developmental feeding assessment for preterm infants in the NICU*, oral presentation at the National Association of Neonatal Therapists, Phoenix, AZ.

Cernich A, Brininger T. (2017, April). *National Center for Medical Rehabilitation: NIH research agenda and updates from USAMRMC*, invited panelists for oral presentation at American Occupational Therapy Conference, Philadelphia, PA.

**Pineda R**, Poskey G. (2016, April). *Neonatal therapy science: The year in review*, oral presentation at the National Association of Neonatal Therapists, Orlando, FL.

Ross K, **Pineda R.** (2016, April). Neonatal therapy: *A clinical study of occupational therapy, physical therapy and speech language pathology usage in the NICU*, oral presentation at the National Association of Neonatal Therapists, Orlando, FL.

Pineda R, Smith J. (2016, February). *Systematic review of multi-modal environmental enrichment interventions in the NICU: Current evidence and current practice*, invited faculty, Graven's Conference for the Physical and Developmental Environment of the High Risk Infant, Sand Key, FL.

**Pineda R.** (2016, November). *Assessment and intervention for the high risk infant in the NICU and after discharge*, invited conference presenter, Summerlin Hospital Medical Center, Las Vegas, NV.

Pineda R, Smith J. (May 2015). *An enhanced sensory environment In the NICU: an integrative review*, invited presenter for national webinar for National Association of Neonatal Therapists.

Dunsirn S, Smyser C, Liao S, **Pineda R.** (2015, April). *Head turn preference in the preterm infant and relationships to outcome*, Poster presentation at the American Occupational Therapy Annual Conference, Nashville, Tennessee.

Nwabara O, Rogers C, Inder T, **Pineda R.** (2015, April). *Early therapy services following NICU discharge*. Poster presentation at the American Occupational Therapy Annual Conference, Nashville, Tennessee.

Oberle S, Melchior K, Rogers C, Inder T, **Pineda R.** (2015, April). *Early neurobehavior: is there early evidence of autism?* Presentation at the American Occupational Therapy Annual Conference, Nashville, Tennessee.

**Pineda R,** Oberle S, Chrzastowski H, Dunsirn S. (2015, April). *Neonatal neurobehavioral assessment*. Workshop at the American Occupational Therapy Annual Conference, Nashville, Tennessee.

**Pineda R,** Smith J. (2015, April). *Systematic review of sensory based interventions in the NICU*. Research presentation for the National Association of Neonatal Therapists, Phoenix, Arizona.

**Pineda R.** (2014, October). *Neonatal neurobehavioral assessment*. Workshop presented at the Division of Early Childhood Conference, St Louis, Missouri.

**Pineda R,** Dunsirn S. (2014, May). *Adverse feeding outcomes in preterm infants*. Paper presented at the National Association of Neonatal Therapists Annual Conference, Atlanta, Georgia.

**Pineda R,** Poskey G. (2014, May). *Bridging the gap between clinical practice and research*. Paper presented at the National Association of Neonatal Therapists Annual Conference, Atlanta, Georgia.

Dunsirn S, **Pineda R.** (2014, May). *Head Turn Preference: Associations with neurodevelopmental outcomes and injury*. Poster presented at the National Association of Neonatal Therapists Annual Conference, Atlanta, Georgia.

**Pineda R,** Bender J. (2014, May). *Parent presence and holding in the NICU and relationships to outcome*. Poster presented at the National Association of Neonatal Therapists Annual Conference, Atlanta, Georgia.

Dunsirn S, Smyser C, Liao S, Inder T, **Pineda R.** (2014, May). *Head turn preference: associations with neurodevelopmental outcomes and injury*. Poster presented at Pediatric Academic Societies, Vancouver, British Columbia.

**Pineda R,** Neil J, Dierker D, Smyser C, Kidokora H, Reynolds L, Walker S, Rogers C, Mathur A, Van Essen D, Inder T. (2013, June). *The impact of different neonatal intensive care environments on brain development and function in preterm infants*. Poster presented at the Occupational Therapy Summit, Chicago, Illinois.

**Pineda R,** Neil J, Dierker D, Smyser C, Kidokora H, Reynolds L, Walker S, Rogers C, Mathur A, Van Essen D, Inder T. (2013, May). *The impact of different neonatal intensive care environments on brain development and function in preterm infants*. Paper presented at Pediatric Academic Societies, Washington DC, District of Columbia.

Rogers C, **Pineda R**, Inder T. (2013, May). *Parenting stress, maternal depression, and social-emotional development in very preterm children*. Paper presented at Pediatric Academic Societies, Washington DC, District of Columbia.

Reynolds L, Inder T, Neil J, **Pineda R**, Rogers C. (2013, May). *Maternal obesity and increased risk for autism and developmental delay among very preterm infants*. Paper presented at Pediatric Academic Societies, Washington DC, District of Columbia.

Crapnell T, Rogers C, Neil J, Inder T, **Pineda R**. (2013, May). *Early factors associated with adverse feeding outcome in the preterm infant*. Poster presented at Pediatric Academic Societies, Washington DC, District of Columbia.

Tiltges L, Neil J, Inder T, **Pineda R**. (2013, May). *The predictive power of neonatal reflexes: associations with brain injury and outcome*. Poster presented at Pediatric Academic Societies, Washington DC, District of Columbia.

Dunsirn S, Mara M, Crapnell T, Tiltges L, Inder T, **Pineda R**. (2013, May). *More silence in the NICU private room*. Poster presented at Pediatric Academic Societies, Washington DC, District of Columbia.

Ledbetter K, **Pineda R**, Mathur A. (2013, May). *Therapeutic hypothermia alters the ability of the Dubowitz Neurological Examination to predict MRI injury in neonatal hypoxic-ischemic encephalopathy*. Poster presented at Pediatric Academic Societies, Washington DC, District of Columbia.

**Pineda R**. (2013, April). *Research and publications in neonatal therapy*. Paper presented at The National Association of Neonatal Therapists Annual Conference, Dallas, Texas.

**Pineda R**. (2013, April). *The new NICU therapist: foundations for growth*. Pre-conference presented at The National Association of Neonatal Therapists Annual Conference, Dallas, Texas.

**Pineda R**. (2013, February). *The NICU environment: implications for neurodevelopmental care*. Paper presented at The 26<sup>th</sup> Annual Graven's Conference on the Physical and Developmental Environment of the High Risk Infant, Sand Key, Florida (invited lecture).

**Pineda R**, Zarem C. (2013, February). *Psychometrics of the Neonatal Oral Motor Assessment Scale*. Paper presented at the The 26<sup>th</sup> Annual Graven's Conference on the Physical and Developmental Environment of the High Risk Infant, Sand Key, Florida.

Crapnell T, **Pineda R**. (2013, February). *Neurobehavioral assessment of the preterm infant: associations with brain structure and outcome*. Paper presented at The 26<sup>th</sup> Annual Graven's Conference on the Physical and Developmental Environment of the High Risk Infant, Sand Key, Florida.

Crapnell T, **Pineda R**. (2013, February). *aEEG in the preterm infant: associations with medical and environmental factors*. Paper presented at The 26<sup>th</sup> Annual Graven's Conference on the Physical and Developmental Environment of the High Risk Infant, Sand Key, Florida.

**Pineda R**, Madlinger L. (2013, February). *Randomized clinical trial investigating the effects of different neonatal positioning in the NICU*. Paper presented at The 26<sup>th</sup> Annual Graven's Conference on the Physical and Developmental Environment of the High Risk Infant, Sand Key, Florida.

Zarem C, Dunsirn S, **Pineda R**. (2012, November). *Psychometrics of the Neonatal Oral Motor Assessment Scale*. Paper presented at the Missouri Occupational Therapy Annual Conference, Ozark, Missouri.

Reynolds L, Dunsirn S, **Pineda R**. (2012, November). *aEEG in the NICU and associations with environmental and medical factors*. Paper presented at the Missouri Occupational Therapy Annual Conference, Ozark, Missouri.

Crapnell T, **Pineda R.** (2012, November). *Feeding assessment in infancy and early childhood.* Paper presented at the Missouri Occupational Therapy Annual Conference, Ozark, Missouri.

Tiltges L, **Pineda R.** (2012, November). *Neonatal reflex testing.* Paper presented at the Missouri Occupational Therapy Annual Conference, Ozark, Missouri.

Pineda R. (2012, June). *Factors associated with developmental concern and intent to access therapy following NICU discharge,* invited presenter for national webinar through National Association of Neonatal Therapists.

**Pineda R,** Castellano A, Rogers C, Neil J, Inder T. (2012, April). *Factors associated with developmental concern and intent to access therapy following NICU discharge.* Poster presented at the National Association of Neonatal Therapists, Fort Worth, Texas.

**Pineda R,** Walker S, Stransky K, Neil J, Inder T. (2012, April). *The single patient room in the NICU: helpful or harmful.* Poster presented at the National Association of Neonatal Therapists, Fort Worth, Texas.

**Pineda R,** Madlinger L. (2012, April). *The neurobehavioral assessment.* Paper presented at the National Association of Neonatal Therapists, Fort Worth, Texas.

Connor S, Madlinger L, **Pineda R.** (2012, April). *Positioning of the preterm infant: What Does the Evidence Say?* Paper presented at the National Association of Neonatal Therapists, Fort Worth, Texas.

Madlinger L, Inder T, **Pineda R.** (2012, April). *The effect of neonatal positioning on early neurobehavior: a randomized clinical trial.* Poster presented at Pediatric Academic Societies, Boston, Massachusetts.

Zarem C, Kidokora H, Neil J, Inder T, **Pineda R.** (2012, April). *The psychometrics of the Neonatal Oral Motor Assessment Scale.* Poster presented at Pediatric Academic Societies, Boston, Massachusetts.

Strnad L, Mathur A, Neil J, Inder T, **Pineda R.** (2012, April). *aEEG in the NICU and associations with medical and environmental factors.* Poster presented at Pediatric Academic Societies, Boston, Massachusetts.

**Pineda R,** Kidokora H, Neil J, Inder T. (2012, April). *Neurobehavior in the NICU and associations with concurrent imaging and functional outcome.* Poster presented at Pediatric Academic Societies, Boston, Massachusetts.

Hensley M, Smith G, Mathur A, Neil J, Inder T, **Pineda R.** (2012, January). *The effect of parental presence and holding on neurobehavior in the preterm infant.* Poster presented at The 25<sup>th</sup> Annual Graven's Conference on the Physical and Developmental Environment of the High Risk Infant, Sand Key, Florida.

Felber A, Haslam M, Neil J, Inder T, **Pineda R.** (2012, January). *Associations between early sedative use in the premature infant and neurodevelopmental outcome.* Poster presented at The 25<sup>th</sup> Annual Graven's Conference on the Physical and Developmental Environment of the High Risk Infant, Sand Key, Florida.

**Pineda R,** Walker S, Stransky K, Hensley M, Smith G, Neil J, Inder T. (2012, January). *The effects of single patient room type in the NICU.* Poster presented at The 25<sup>th</sup> Annual Graven's Conference on the Physical and Developmental Environment of the High Risk Infant, Sand Key, 2012.

**Pineda R,** Castellano A, Rogers C, Neil J, Inder T. (2012, January). *Factors associated with caregiver concern and intent to access therapy after NICU discharge.* Paper presented at The 25<sup>th</sup> Annual Graven's Conference on the Physical and Developmental Environment of the High Risk Infant, Sand Key, Florida.

**Pineda R,** Tjoeng T, Vavasseur C, Shah D, Kidokoro H, Neil J, Inder T. (2012, January). *Patterns of altered neurobehavior in preterm infants within the NICU.* Poster presented at The 25<sup>th</sup> Annual Graven's Conference on the Physical and Developmental Environment of the High Risk Infant, Sand Key, Florida.

**Pineda R,** Madlinger L, Zarem C, Strnad L. (2011, October). *Neurobehavioral assessment of the preterm infant.* Paper presented at the Missouri Occupational Therapy Association, St Louis, Missouri.



Hensley M, Smith G, Mathur A, Neil J, Inder T, **Pineda R.** (2011, October). *The effect of parental presence and holding on neurobehavior in the preterm infant.* Paper presented at the Missouri Occupational Therapy Association Annual Conference, St Louis, Missouri.

Felber A, Haslam M, Neil J, Inder T, **Pineda R.** (2011, October). *Associations between early sedative use in the premature infant and neurodevelopmental outcome.* Poster presented at the Missouri Occupational Therapy Association Annual Conference, St Louis, Missouri.

Walker S, Stransky K, Hensley M, Smith G, Neil J, Inder T, **Pineda R.** (2011, October). *The effects of single patient room type in the NICU.* Poster presented at the Missouri Occupational Therapy Association Annual Conference, St Louis, Missouri.

**Pineda R,** Castellano A, Rogers C, Neil J, Inder T. (2011, October). *Factors associated with caregiver concern and intent to access therapy after NICU discharge.* Poster presented at the Missouri Occupational Therapy Association Annual Conference, St Louis, Missouri.

**Pineda R,** Tjoeng T, Vavasseur C, Shah D, Kidokoro H, Neil J, Inder T. (2011, October). *Patterns of altered neurobehavior in preterm infants within the NICU.* Poster presented at the Missouri Occupational Therapy Association Annual Conference, St Louis, Missouri.

**Pineda R,** Vavasseur C, Tjoeng T, Neil J, Inder T. (2011, October). *Associations between perinatal exposures and neurobehavior prior to and at term equivalent.* Poster presented at the Missouri Occupational Therapy Association Annual Conference, St Louis, Missouri.

Hensley M, Smith G, Mathur A, Neil J, Inder T, **Pineda R.** (2011, April). *The effect of parental presence and holding on neurobehavior in the preterm infant.* Poster presented at Pediatric Academic Societies, Denver, Colorado.

Felber A, Haslam M, Neil J, Inder T, **Pineda R.** (2011, April). *Associations between early sedative use in the premature infant and neurodevelopmental outcome.* Poster presented at Pediatric Academic Societies, Denver, Colorado.

Walker S, Stransky K, Hensley M, Smith G, Neil J, Inder T, **Pineda R.** (2011, April). *The effects of single patient room type in the NICU.* Poster presented at the Pediatric Academic Societies, Denver, Colorado.

**Pineda R,** Castellano A, Rogers C, Neil J, Inder T. (2011, April). *Factors associated with caregiver concern and intent to access therapy after NICU discharge.* Poster presented at the Pediatric Academic Societies, Denver, Colorado.

**Pineda R,** Tjoeng T, Vavasseur C, Shah D, Kidokoro H, Neil J, Inder T. (2011, April). *Patterns of altered neurobehavior in preterm infants within the NICU.* Poster presented at Pediatric Academic Societies, Denver, Colorado.

**Pineda R,** Vavasseur C, Tjoeng T.H., Neil J, Inder T. (2010, May). *Associations between perinatal exposures and neurobehavior prior to and at term equivalent.* Poster presented at Pediatric Academic Societies, Vancouver, British Columbia.

Smith G, **Pineda R,** Tjoeng T.H., Vavasseur C, Gutovich J, Neil J, Inder T. (2010, May). *The effects of stress in the NICU on the preterm brain.* Paper presented at Pediatric Academic Societies, Vancouver, British Columbia.

**Pineda R,** Bednarek N, Shah D, Neil J, Inder T. (2009, May). *Serial neurobehavioral evaluations in the preterm infant – relationship to cerebral injury.* Poster presented at Pediatric Academic Societies, Baltimore MD

**Pineda R.** (2007, January). *Investigation of change in breastfeeding practices in the NICU before and after an intervention.* Paper presented at The Physical and Developmental Environment of the High Risk Neonate, Clearwater, Florida.

- Pineda R**, Foss J, Pane C, McNamara E, Angly J. (2005, January). *Transtheoretical Model: A novel approach to implementing change in the NICU*. Poster presented at The Physical and Developmental Environment of the High Risk Neonate Conference, Clearwater, Florida.
- Pineda R**. (2005, January). *Breastfeeding in the NICU*, invited faculty for continuing education for nursing, University of Florida Hospital, Gainesville, FL.
- Pineda R**. (2005, May). *Promoting breastfeeding in the NICU*, invited faculty for online continuing education, University of Florida, Gainesville, FL.
- Pineda R**. (2005, August). *Transtheoretical Model: A novel approach to implementing change in the NICU*, invited presenter for national webinar through March of Dimes.
- Pineda R**. (April, 2005). *Transtheoretical Model: A novel approach to implementing change in the NICU*, invited faculty for online presentation for continuing education at the University of Florida, Gainesville FL.
- Pineda R**. (2000, April). *Infant feeding from premature babies through one year of age. Workshop presented at the North Carolina Occupational Therapy Association Annual Conference, Greensboro, North Carolina.*
- Champion L, **Pineda R**. (2000, April). *Pediatric acute care*. Paper presented at the North Carolina Occupational Therapy Annual Conference, Greensboro, North Carolina.
- Pineda R**. (July, 1999). *Therapeutic interventions in the United States*, Fundabiem, Guatemala City, Guatemala.
- Pineda R**, Rotberg K. (1997, May). *Pediatric occupational therapy in Russia: report of a six week volunteer experience*. Paper presented at The Great Southern Occupational Therapy Conference, Augusta, Georgia
- Pineda R**. (1997, April). *Reliability of goniometry vs. visual estimation*. Paper presented at the American Occupational Therapy Conference, Orlando, Florida.