
BIOGRAPHICAL SKETCH

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NAME Baranek, Grace T.	POSITION TITLE Professor, Division of Occupational Science, Dept. of Allied Health Sciences		
eRA COMMONS USER NAME GRACE BARANEK			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Univ. of Illinois - Medical Center, Chicago, IL	B.S.	1977–1981	Occupational Therapy
University of Illinois at Chicago	M.A.	1990–1993	Psychology
University of Illinois at Chicago	Ph.D.	1993–1996	Psychology

A. Positions and Honors

Positions and Employment

1981–1983	Occupational Therapist, Institute of Physical Medicine and Rehabilitation; Peoria, Illinois
1983–1984	Occupational Therapist, Evanston Hospital; Evanston, Illinois
1984–1985	Occupational Therapist, St. Mary of Nazareth Hospital Center; Chicago, Illinois
1986–1990	Pediatric Occupational Therapist, Develop. Inst., Michael Reese Hosp. & Med. Ctr; Chicago, IL
1990–1995	On-call Pediatric Occupational Therapist, Children's Memorial Hospital; Chicago, Illinois
1991–1996	Pediatric Occupational Therapist/Consultant, Self-employed; Chicago, Illinois
1993–1996	Lecturer, Department of Psychology, University of Illinois at Chicago
1990–1996	Research /Teaching Assistant, Department of Psychology, University of Illinois-Chicago
1996–2002	Assistant Professor, UNC-CH Division of Occupational Science, Dept. Allied Health Sciences
1996–2002	Section Head of O.T. & Research Scientist, Center for Development & Learning, UNC-CH
2002–2008	Associate Professor, UNC-CH Division of Occupational Science, Dept. Allied Health Sciences
2008-date	Professor, UNC-CH Division of Occupational Science, Dept. Allied Health Sciences

Licensure & Certification

1981–date	National Board of Certification in Occupational Therapy (NBCOT)
1984–1997	Illinois Board of Occupational Therapy State License (OTR/L)
1996–date	North Carolina Board of Occupational Therapy - State License #2785 (OTR/L)

Honors

1991	Mary Fiorentino Scholarship, American Occupational Therapy Foundation
1991 & 1993	Zeaman Award - Gatlinburg Conference on Research & Theory in Mental Retardation
1995	Dissertation Research Award - The American Psychological Association
1995–1996	Dissertation Research Award - The American Occupational Therapy Association
1997	Junior Faculty Research Award - University of North Carolina at Chapel Hill
1998	Outstanding Practice Award in Research - North Carolina Occupational Therapy Association
1999–2000	Consultant, National Academy of Sciences - Committee on Educational Interventions for Autism
2001	UNC-CH Nominee to the John Merck Scholars Program in Cognitive Science
2005	Fellow, American Occupational Therapy Association
2007	NIH Executive Director's Bridge Award
2007	AOTA/AOTF Leadership Mentoring Program Award
2007	BRIDGES – Academic Leadership for Women
2008	AOTF Academy of Research

B. Selected Peer-Reviewed Publications

- Baranek, G.T.** (1999). Autism during infancy: A retrospective video analysis of sensory-motor and social behaviors at 9-12 months of age. *Journal of Autism and Developmental Disorders*, 29, 213-224.
- Filipek, P.A., Accardo, P.J., **Baranek, G.T.**, Cook, E.H., Dawson, G., et al., (1999). The screening and diagnosis of autistic spectrum disorders. *Journal of Autism and Developmental Disorders*, 29, 439-484.
- Filipek, P.A., Accardo, P.J., **Baranek, G.T.**, Cook, E.H., Dawson, G., et al., (2000). Practice Parameter: Screening and diagnosis of autism: Report of the Quality Standards Subcommittee of the American Academy of Neurology and the Child Neurology Society. *Neurology*, 55, 468-479.
- Hooper, S.R., Hatton, D.D., **Baranek, G.T.**, Roberts, J.P., & Bailey, D.B. (2000). Nonverbal assessment of cognitive abilities in children with fragile X syndrome: The utility of the Leiter International Performance Scale – Revised. *Journal of Psychological Assessment*, 18, 255-267.
- Baranek, G.T.** (2002). Efficacy of sensory and motor interventions in children with autism. *Journal of Autism and Developmental Disorders*, 32, 397-422
- Baranek, G.T.**, Chin, Y.H., Greiss, L.M., Yankee, J.G., Hatton, D.D., & Hooper, S.R. (2002). Sensory processing correlates of occupational performance in children with fragile X syndrome. *American Journal of Occupational Therapy*, 56, 538-546.
- Watson, L. R., **Baranek, G.T.**, & DiLavore, P.C. (2003). Toddlers with autism: Developmental perspectives. *Infants and Young Children*, 16, 201-214.
- Baranek, G.T.**, Barnett, C., Adams, E. Wolcott, N., Watson, L., & Crais, E. (2005). Object play in infants with autism: Methodological issues in retrospective video analysis. *American Journal of Occupational Therapy*, 59, 20-30.
- Baranek, G.T.**, Danko, C.D., Skinner, M.L., Bailey, D.B., Hatton, D.D., Roberts, J.E., & Mirrett, P.L. (2005). Video analysis of sensory-motor features in infants with fragile X syndrome at 9-12 months of age. *Journal of Autism and Developmental Disorders*, 35(5), 645-656.
- Baranek, G.T.**, Parham, L.D., & Bodfish, J.W. (2005). Sensory and motor features in autism: Assessment and intervention. In, F. Volkmar, A. Klin, & R. Paul (Eds.), *Handbook of autism and pervasive developmental disorders: Vol. 2. Assessment, interventions and policy* (3rd Edition, pp. 831-857). Hoboken, NJ: John Wiley & Sons.
- Baranek, G.T.**, David, F.J., Poe, M.D., Stone, W.L., & Watson, L.R. (2006). Sensory Experiences Questionnaire: Discriminating sensory features in young children with autism, developmental delays, and typical development. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, 47(6), 591-601.
- Colgan, S., Lanter, E., McComish, C., Watson, L.R., Crais, E.R., **Baranek, G.T.** (2006). Analysis of social interaction gestures in infants with autism. *Child Neuropsychology*, 12(4), 307-319.
- Crais, E.R., Watson, L.R., **Baranek, G.T.**, & Reznick, J.S., (2006). Early identification of autism: How early can we go? In B. Crais & N.B. Ratner (Eds.), *Seminars in Speech and Language: Current Issues in Providing Services to Infants and Toddlers vol. 27*(3), pp. 143-160.
- Walz, N. & **Baranek, G.T.** (2006). Sensory processing patterns in individuals with Angelman syndrome. *American Journal of Occupational Therapy*, 60(4), 472-479.
- Baranek, G.T.**, Boyd, B., Poe, M., David, F. & Watson, L. (2007). Hyperresponsive sensory patterns in young children with autism, developmental delay, and typical development. *American Journal of Mental Retardation*, 112, 233-245.
- Tommerdahl, M., Tannan, V., Cascio, C., **Baranek, G.T.**, Whitsel, B.L. (2007). Vibrotactile adaptation fails to enhance spatial localization in adults with autism. *Brain Research*, 1154, 116-123.
- Watson, L.R., **Baranek, G.T.**, Crais, E.R., Reznick, J.S., Dykstra, J., & Perryman, T. (2007). The First Year Inventory: retrospective parent responses to a questionnaire designed to identify one-year-olds at risk for autism. *Journal of Autism and Developmental Disorders*, 27, 49-61.
- Zwaigenbaum, L. Thurm, A. Stone, W., **Baranek, G.T.**, Bryson, S., Iverson, J., Kau, A., Klin, A., Landa, R., Lord, C., Rogers, S., & Sigman, M. (2007). Studying the emergence of autism spectrum disorders in high risk infants: Methodological and practical issues. *Journal of Autism and Developmental Disorders*, 37(3), 466-480.
- Cascio, C., McGlone, F., Folger, S., Tannan, V., **Baranek, G.T.**, Pelphrey, K.A., & Essick, G. (2008). Tactile perception in adults with autism: A multidimensional psychophysical study. *Journal of Autism and Developmental Disorders*, 38, 127-137.
- Reznick, J.S., **Baranek, G.T.**, Reavis, S., Watson, L.R Crais, E.R. (2007). A Parent-Report Instrument for Identifying One-Year-Olds at Risk for an Eventual Diagnosis of Autism: The First Year Inventory. *Journal of Autism and Developmental Disorders*, 37, 1691-1710.

- Baranek, G.T.**, Roberts, J.E., David, F.J., Sideris, J., Mirrett, P.L., Hatton, D.D., & Bailey, D.B. (2008). Developmental trajectories and correlates of sensory processing functions in young boys with fragile X syndrome. *Physical and Occupational Therapy in Pediatrics*, 28(1), 79-98.
- Baranek, G.T.**, Wakeford, C.L., & David, F.J. (2008). Understanding, Assessing, and Treating Sensory-Motor Issues in Young Children with Autism. In K. Chawarska, A. Klin & F. Volkmar (Eds.), *Autism Spectrum Disorders in Infancy and Early Childhood: Diagnosis, assessment and treatment* (pp. 104-140). New York: Guilford Press.
- Tommerdahl M., Tannan V., Holden J.K., **Baranek G.T.** (2008). Absence of stimulus-driven synchronization effects on sensory perception in autism: Evidence for local underconnectivity? *Behavioral and Brain Functions*, 4:19 (9 pages).
- Dickie, V., **Baranek, G.T.**, McComish, C., Watson, L.R., & Schultz, B. (2009). Parent reports of sensory experiences of preschool children with and without autism: A qualitative study. *American Journal of Occupational Therapy*, 63(2), 172-181.

C. Research Support/Grants Past 3 Years

ONGOING

R01HD042168-05 G. Baranek (PI) 4/1/2002–6/30/2013
 NICHD \$456,368

Unusual Sensory Experiences in Young Children with Autism.

The goals of this longitudinal study are to characterize sensory symptoms in children with autism and DD, with respect to developmental trajectories, pathogenesis, functional outcomes, and relationship of these features to core features of autism including social, communicative and behavioral impairments.

Role: PI

1711/GB/01-201406-065-00-00-01 G. Baranek (PI) 07/1/2007–06/30/2010
 Autism Speaks \$181,603

Early Intervention for Children Screened Positive for Autism by the First Year Inventory.

The goals of this grant are to test the efficacy of an early intervention program for children at risk for autism and other developmental delays utilizing responsive teaching methods in combination with content from the domains of the First Year Inventory (i.e., social-communicative and sensory-regulatory features).

Role: PI

5-41126/0-110-4375 G. Essick (PI) 07/1/2007-06/30/2010
 Autism Speaks. \$134,169

Somatosensory Processing and Multisensory Interactions in Autism.

This project investigates unimodal and multimodal sensory processing using fMRI in high functioning adults with autism as compared to neurotypical controls.

Role: Co-Investigator

R324B070056 L. Watson (PI). 07/1/2007-06/30/2010
 Institute of Educational Sciences (IES). \$221,323

Social Communication and Symbolic Play Intervention for Preschoolers with Autism Spectrum Disorders.

The major goals of this project are to develop, implement, and test the efficacy of an educational intervention based on joint attention and play skills for preschoolers with autism in school setting.

Role: Investigator

H325D070011 E. Crais (PI) 07/1/2007-06/30/2010
 U.S. Department of Education \$196,404

Preparing SLPs, OTs, Early Childhood Special Educators, and Developmental Psychologists for Leadership Roles in Teaching, Research, and Service Focused on Young Children with Autism.

The major goal of this project is to train early childhood professionals from 4 disciplines in leadership skills needed to conduct research, service and/or teaching related to autism issues.

Role: Co-Director

PR064351 M. Tommerdahl (PI) 04/1/2007–03/31/2011
US Department of Defense \$162,418

Cortical-cortical Interactions and Sensory Information Processing in Autism.

The major goals of this project are to investigate the mechanisms underlying cortical processing of somatosensory information in high functioning persons with autism, and to what extent these processing capacities may differ from that of individuals without a developmental disorder.

Role: Investigator

P30HD03110 J. Piven (PI) 8/1/2003–06/30/2013
NIH/NICHD \$899,628

The UNC Neurodevelopmental Disorders Research Center.

The major goals of this project are, through a multidisciplinary program, to support and promote research relevant to understanding the pathogenesis and treatment/prevention of neurodevelopmental disorders.

Role: Investigator/Consultant

R01HD055741 J. Piven (PI) 7/1/2007-6/31/2012
NIH/NIMH \$2,478,911 (network)

Brain Imaging in Infants at High Risk for Autism (ACE Network).

This 4-site project will test the longitudinal trajectories in early brain development of infant siblings of children with autism.

Role: Investigator

CFDA 84.325 E. Crais (PI) 8/2008-7/2012
US Department of Education \$194,232

Preparing Early Childhood Special Educators, Occupational Therapists, and Speech Language Pathologists, for Working with Young Children with Autism and Their Families.

The goals of this project are to prepare master's students in interdisciplinary fields to provide state-of-the art services to children with autism and their families and serve as leaders in their agencies and communities.

Role: Co-Director

R01DC006893 P. Yoder (PI) 1/1/2009-12/31/2012
NIH/NIDCD \$983,452 (UNC subcontract)

Predicting Useful Speech in Children with Autism.

The goals of this 2 site longitudinal study are to identify early child (i.e., intentional communication, attention following & object play) and parent (i.e., linguistic mapping, synchronous nonobligatory talk, responsiveness) predictors of vocabulary comprehension and communicative word use in young children with autism.

Role: Investigator

COMPLETED:

5-47239 D. Thorpe (PI) 7/1/2006–6/30/2009
Cure Autism Now Foundation \$54,546

Development of Motor Coordination & Anticipatory Control in Children with Autism.

The goals of this project are to investigate developmental differences in motor control between children with autism and DD or typical controls ages 2 to 7 years and relationship of motor control deficits to functional skills.

Role: Co-PI

PENDING:

Admin Supp for R01HD042168 G. Baranek (PI) 4/1/2002–6/30/2013
NICHD \$112,013

Unusual Sensory Experiences in Young Children with Autism (Administrative Supplement).

The goals of this study are to recruit a large sample to conduct a cluster analysis and further characterize sensory symptoms in children with autism with respect to developmental trajectories, pathogenesis, and functional outcomes.

Role: PI