Stephen W. Porges, Ph.D.

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Education:

B.A.	Drew	University,	June, 196	6 (Psychology)

- M.A. Michigan State University, December, 1968 (Psychology)
- Ph.D. Michigan State University, June, 1970 (Psychology)

Professional History:

8/15 -	Distinguished University Scientist, Indiana University Bloomington.		
4/13-	Professor, Department of Psychiatry, University of North Carolina.		
6/01 - 5/13	Professor, Department of Psychiatry, Department of Bioengineering, Graduate Program in Neuroscience, University of Illinois at Chicago		
11/11-2/13	Principal Researcher for Behavioral Neuroscience, Research Triangle Institute International, Research Triangle Park, North Carolina		
6/01 - 6/12	Director, Brain-Body Center, Department of Psychiatry, University of Illinois at Chicago		
2/98 - 3/01	Chair, Department of Human Development, University of Maryland		
	Director, Institute for Child Study, University of Maryland		
8/87 - 6/01	Adjunct Scientist, Laboratory of Comparative Ethology, National Institute of Child Health and Human Development		
8/85 - 6/01	Professor, Department of Human Development, University of Maryland		
	Director of Laboratory for Developmental Assessment and Intervention, Institute for		
	Child Study, University of Maryland		
	Professor, Program in Neural and Cognitive Sciences, University of Maryland		
	Department Affiliate, Department of Psychology, University of Maryland		
8/83 - 8/85	Head, Division of Developmental Psychology, Department of Psychology, University of Illinois at Urbana-Champaign		
	Professor, Institute of Aviation, University of Illinois at Urbana-Champaign		
	Professor, Department of Medical Information Sciences, University of Illinois		
	Medical School at Urbana-Champaign		
	Department Affiliate, Institute for Child Behavior and Development, University of		
	Illinois at Urbana-Champaign		
8/82 - 7/83	Guest Investigator, Clinical Infant Research Unit, Laboratory of Psychology and		
	Psychopathology, National Institute of Mental Health		
8/82 - 8/85	Professor, Department of Psychology and Program in Neural and		
	Behavioral Biology, University of Illinois at Urbana-		
	Champaign		
8/81 - 8/82	Head, Program in Psychophysiology, Department of Psychology, University of		
	Illinois at Urbana-Champaign		
1/81 - 6/81	Visiting Scholar, Department of Physiology, Stanford University		
12/78-3/79	Visiting Scholar, Department of Education, University of California, Los Angeles		
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9/75 - 8/82	Associate Professor, Department of Psychology and Program in Neural and	
	Behavioral Biology, University of Illinois at Urbana-Champaign	
9/72 - 8/75	Assistant Professor, Department of Psychology, University of Illinois at Urbana-	
	Champaign	
8/70 - 8/72	Assistant Professor, Department of Psychology, West Virginia University	
	Clinical Assistant Professor, Department of Behavioral Medicine and Psychiatry,	
	West Virginia University School of Medicine	

Grant/contract support

Recent and Current

- National Institute of Child Health and Human Development Program Project (PI, Carter; Co-PI, Porges). Developmental consequences of birth interventions. (04/01/2014-03/31/2019), \$4,833,965.
- National Institute of Child Health and Human Development Research Grant (PI, Porges): Infant crying and developmental outcome: A biobehavioral approach (08/01/2007-05/31/2013), \$2,517,462.
- Department of Defense (DARPA): PhysioCam: A noncontact system to monitor physiological responses from a distance. (4/01/2014-3/31/2015). \$322,702.
- Department of Defense (TSWG): Noncontact polygraphy: Bridging thermal imaging with human physiology. (04/01/2011-03/31/12), \$442,000.
- NC TraCS Institute (CTSA): Psychometric evaluation of the BBC Sensory Scales for the assessment of sensory-perceptual abnormalities in individuals with Fragile X Syndrome. (01/01/2016-12/31/2016), \$50,000.
- Australian Childhood Foundation. The Listening Project: Tuning into change. (07/01/2013-12/31/2016), \$150,000.

Federal – Previous

- National Institute of Mental Health Research Grant (PI, Porges): Heart rate correlates of attentional performance (6/71-8/72).
- National Institute of Education Research Grant (PI, Porges): Psychophysiological studies of attention during infancy and early childhood (6/73-12/76).
- National Institute of Mental Health Research Scientist Development Award (PI, Porges): Developmental psychophysiology of attention (6/75-12/80).
- National Institute of Mental Health Research Grant (PI, Sprague: Co- PI, Porges): Pediatric psychopharmacology (9/75-8/79).
- National Institute of Mental Health Training Grant (Co-PI with MGH Coles and E Donchin): Research training in psychophysiology (7/77-6/81).
- National Institute of Child Health and Human Development Program Project (PI for Project VI): Psychophysiological studies of mental retardation (9/78-8/81).
- National Institute of Mental Health Research Grant (PI, Sprague; Co-PI, Porges). Pediatric psychopharmacology (1979-1981).
- National Institute of Mental Health Research Scientist Development Award (PI, Porges): Autonomic indices of nervous system dysfunction (1981-1985).
- National Institute of Child Health and Human Development Research Grant (PI, Porges): Neonatal assessment: A psychophysiological approach (6/82-6/85).
- National Institute of Mental Health Research Grant (PI, Porges): The psychophysiology of visual recognition memory (7/84-12/85).
- Maternal and Child Health Bureau, Human Resources Service Administration Research Contract (PI, Porges). (5/85-4/86).

- National Institute of Child Health and Human Development Research Grant (PI, Porges): Neonatal assessment: A psychophysiological approach (5/86-6/89).
- National Institute of Child Health and Human Development Research Grant (PI, Porges): Neonatal assessment: A psychophysiological approach (7/89- 4/93).
- Maternal and Child Health Bureau, Human Resources Service Administration Research Grant (PI, Porges): Regulatory disorders and developmental outcomes (10/92-9/98).
- National Institute of Child Health and Human Development Research Grant (PI, Porges): Neonatal assessment: A psychophysiological approach (12/93-11/99).
- National Institute of Mental Health Research Grant (PI, Porges): Social-emotional behavior: A neurobiological approach (7/01/00-05/31/07), \$1,909,355.
- National Institute of Mental Health Research Grant Title (PI, Porges): Translating behavioral neuroscience into the clinic (7/1/03-6/30/2007), \$526,062.
- National Science Foundation Next Generation Cybertools grant (PI, Bennett Bertenthal; Co- PI, Porges): Cyberinfrastructure for collaborative research in the social and behavioral sciences (10/1/2005-9/30/2007), \$2,000,000.
- National Institutes of Mental Health Research Grant: Behavioral autonomic and endocrine regulation in depression and heart disease (PI, Grippo; Co-PI, Porges) (09/01/2007-08/31/2010), \$426,000.
- National Center for Research Resources Facilities Enhancement Grant to remodel laboratories creating 'Research Space for Behavioral Neurobiology,' Scientific Director and grant coauthor (6/04-6/08), \$6,600,000 (\$3,600,000 from NIH, \$3,000,000 University of Illinois).
- National Institutes of Health (NICHD Program Project Award): Developmental consequences of birth intervention. (PI, CS Carter; Co-PI, Porges).(2014-2019), \$4,833,965.

Gifts and Private Foundations

- Unicorn Foundation: Seed funds to develop innovative treatments for children with communication disorders (1995-1997) \$70,000.
- Anonymous donors: Seed funds to develop psychophysiological and observational assessments to evaluate children diagnosed with severe regulatory disorders. (1996-2009), \$150,000.
- Cure Autism Now Grant: Stimulating social communication and affective expression in autistic children: A neurophysiological approach (1/1/99-12/31/00), \$50,000.
- The Rockefeller Foundation residency program at the Bellagio Conference Center in Bellagio, Italy (6/15/00-7/15/00).
- Nancy Lurie Marks Family Foundation: Stimulating social communication and affective expression in adolescents and adults with autism: A neurophysiological approach (7/1/02-6/30/04), \$122,400.
- Harris Foundation: Stimulating social communication behaviors in children: A biobehavioral approach (07/01/03-06/30/04), \$66,700.
- The Fragile X Research Foundation: Pilot trial of lithium in Fragile X syndrome (7/1/05-6/30/07) \$30,000.
- Autism Speaks. Social engagement behaviors in autism (1/07-12/07), \$50,000.
- Nancy Lurie Marks Family Foundation. Stimulating social engagement behaviors in individuals with autism (07/01/05-05/30/08), \$377,188.
- Charles Stark Draper Laboratory. Extracting indices of neural regulation from peripheral physiological measures. (7/1/10-6/30/12), \$200,000

Government Contracts

Army W911NF 07 1 0669. Porges (PI). Dynamic digital tracking of infrared thermography: A noncontact strategy to monitor physiological reactivity. (09/08/2007-3/31/2009), \$196,622.

Publications

Books

- Porges SW, Coles MGH, eds. (1976). <u>Psychophysiology</u>. Stroudsburg, PA: Dowden, Hutchinson & Ross.
- Coles MGH, Donchin E, Porges SW, eds. (1986). Psychophysiology: <u>Systems, Processes & Applications</u>. New York: Guilford.
- Carter CS, Ahnert L, Grossmann K, Hrdy SB, Lamb ME, Porges SW, Sachser N, eds. (2005) Attachment and Bonding: A New Synthesis. Cambridge: MIT Press.
- Porges SW, Trejo BM, Martinez AC. (2005). <u>La Teoria Polivagal</u>. Mexico, Universidad Nacional Autonoma de Mexico, Comision Nacional de los Derechos Humanos.
- Porges SW (2010). <u>Die Polyvagal-Theorie: Neurophysiologische Grundlagen der Therapie</u>. Paderborn, Germany: Junfermann Verlag.
- Porges SW (2011). <u>The Polyvagal Theory: Neurophysiological Foundations of Emotions, Attachment, Communication, and Self-regulation</u>. New York: WW Norton.
- Porges SW (2017). <u>Die Polyvagal-Theorie und die Suche nach Sicherheit: Traumabehandlung, soziales Engagement und Bindung.</u> Lichtenau/Westphalia, German: Probst Verlag.
- Porges SW (2017). <u>The Pocket Guide to the Polyvagal Theory: The Transformative Power of</u> Feeling Safe. New York: WW Norton.
- Porges SW & Dana D (2018). <u>Clinical Applications of the Polyvagal Theory: The Emergence of Polyvagal-Informed Therapies</u>. New York: WW Norton.

Patents

- Method and Apparatus for Evaluating Rhythmic Oscillations in Aperiodic Physiological Response Systems. Patent Number: US4,510,944. April 16, 1985.
- Method and Apparatus for Evaluating Dynamic Middle Ear Muscle Activity (with GF Lewis). Patent Publication number: US20130303941 A1. December 13, 2013.
- System and methods for measuring physiological parameters Patent Number: US10004410B2, June 26, 2018.
- Methods and Systems for Reducing Sound Sensitivities and Improving Auditory Processing, Behavioral State Regulation and Social Engagement Behaviors. Patent Number: US 10,029,068 B2. Jul. 24, 2018.

Articles

- Porges SW, Raskin DC. (1969). Respiratory and heart rate components of attention. <u>Journal of Experimental Psychology</u> 81:497-503.
- Fitzgerald HE, Porges SW. (1970). Cardiovascular effects of paced respiration and selective attention. Psychonomic Science 19:65-66.
- Porges SW, Fitzgerald HE. (1970). An inexpensive method of programming stimuli using magnetic tape. <u>Psychophysiology</u> 7:124-127.
- Fitzgerald HE, Porges SW. (1971). A decade of infant conditioning and learning research. <u>Merrill-Palmer Quarterly</u> 17:79-117.
- Porges SW. (1972). Heart rate variability and deceleration as indexes of reaction time. <u>Journal of</u> Experimental Psychology 92:103-110.
- Porges SW, Arnold WR, Forbes EJ. (1973). Heart rate variability: An index of attentional responsivity in human newborns. <u>Developmental Psychology</u> 8:85-92.
- Porges SW. (1973). Heart rate variability: An autonomic correlate of reaction time performance.

 <u>Bulletin of the Psychonomic Society</u> 1:270-272.

- Carter CS, Porges SW. (1974). Ovarian hormones and post-copulatory sexual receptivity in the female golden hamster. Hormones and Behavior 5:303-315.
- Porges SW, Stamps LE, Walter GF. (1974). Heart rate variability and newborn heart rate responses to illumination changes. <u>Developmental Psychology</u> 10:507-513.
- Porges SW. (1974). Heart rate indices of newborn attentional responsivity. Merrill-Palmer Quarterly 20:231-254.
- Coles MGH, Porges SW, Duncan-Johnson CC. (1975). Sex differences in performance and associated cardiac activity during a reaction time task. Physiological Psychology 3:141-143.
- Porges SW, Walter GF, Korb J, Sprague RL. (1975). The influence of methylphenidate on heart rate and behavioral measures of attention in hyperactive children. <u>Child Development</u> 46:727-733.
- Stamps LE, Porges SW. (1975). Heart rate conditioning in newborn infants: Relationships among conditionability, heart rate variability, and sex. <u>Developmental Psychology</u> 11: 424-431.
- Porges SW. (1976). Cohort effects and apparent secular trends in infant research. In RF Riegel and JA Meacham, eds. <u>The Developing Individual in a Changing World Vol. II: Social and Environmental Issues</u>. Chicago: Aldine Press, 687-695.
- Porges SW. (1976). Ontogenetic comparisons. <u>International Journal of Psychology</u> 11:203-214.
- Porges SW. (1976). Peripheral and neurochemical parallels of psychopathology: A psychophysiological model relating autonomic imbalance to hyperactivity, psychopathy, and autism. In HW Reese, ed. <u>Advances in Child Development and Behavior: Vol. 11</u>. New York: Academic Press, 35-65.
- Reese HW, Porges SW. (1976). Development of learning process. In V Hamilton and M Vernon, eds. <u>The Development of Cognitive Processes</u>. London: Academic Press, 413-447.
- Walter GF, Porges SW. (1976). Heart rate and respiratory responses as a function of task difficulty: The use of discriminant analysis in the selection of psychologically sensitive physiological responses. <u>Psychophysiology</u> 13:563-571.
- Cheung MN, Porges SW. (1977). Respiratory influences on cardiac responses during attention. Physiological Psychology 5:53-57.
- Porges SW, Humphrey MM. (1977). Cardiac and respiratory responses during visual search in non-retarded children and retarded adolescents. <u>American Journal of Mental Deficiency</u> 82:162-169.
- Porges SW, Humphrey MM. (1977). Heart rate and respiratory responses during visual search in normal and retarded children. In P Mittler, ed. <u>Research in Practice in Mental Retardation Vol. II: Biomedical Aspects</u>. Baltimore: University Press, 429-435.
- Graessle CA, Ahbel K, Porges SW. (1978). Effects of mild prenatal decompressions on growth and behavior in the rat. <u>Bulletin of the Psychonomic Society</u> 12:329-331.
- Menedez-Bauer C, Porges SW, Cheung MN, Chun AJ, Bohrer RE, Menedez A, Garcia-Ramos C, Arroyo J, Sammarriego-Crespo J. (1979). Spectral analysis of fetal heart-rate for diagnosing fetal condition. In O Thalhammer, K Baumgarten, and AA. Polleck, eds. <u>Perinatal Medicine</u>. Stuttgart, Germany: George Thieme, 265-270.
- Porges SW. (1979). Developmental designs for infancy research. In JD Osofsky, ed. <u>Handbook of Infant Development</u>. New York: Wiley, 742-765.
- Porges SW. (1979). Spectral analysis of the fetal heart rate: A potential method for the detection of fetal distress. In TM Field, AM Sostek, S Goldberg, and HH. Shuman, eds. <u>Infants Born at Risk</u>. New York: Spectrum, 17-28.
- Porges SW, Smith KM. (1980). Defining hyperactivity: Physiological and behavioral strategies. In CK Whalen and B Henker, eds. <u>Hyperactive Children: The Social Ecology of Identification</u> and Treatment. New York: Academic Press, 75-104.

- Porges SW, Bohrer RE, Cheung MN, Drasgow F, McCabe PM, Keren G. (1980). New time-series statistic for detecting rhythmic co-occurrence in the frequency domain: The weighted coherence and its application to psychophysiological research. <u>Psychological Bulletin</u> 88:580-587.
- Porges, S.W. (1980). Individual differences in attention: A possible physiological substrate. In BK Keogh, ed. <u>Advances in Special Education: Volume 2</u>. Greenwich, CN: JAI, 111-134.
- Gawron VJ, Porges SW. (1981). Performance predicted from baseline autonomic functioning. Proceedings of the 25th Annual Meeting of the Human Factors Society, 79-92.
- Jennings JR, Berg KW, Hutcheson JS, Obrist PA, Porges SW, Turpin G. (1981). Publication guidelines for heart rate studies in man. <u>Psychophysiology</u> 3:226-231.
- McCabe PM, Porges SW, Carter CS. (1981). Heart period variability during estrogen exposure and withdrawal in female rats. <u>Physiology and Behavior</u> 26:535-538.
- Porges SW, Bohrer RE, Keren G, Cheung MN, Franks GJ, Drasgow F. (1981). The influence of methylphenidate on spontaneous autonomic activity and behavior in children diagnosed as hyperactive. Psychophysiology 18:42-48.
- Bohrer RE, Porges SW. (1982). The application of time-series statistics to psychological research: An introduction. In G Keren, ed. <u>Psychological Statistics</u>. Hillsdale, NJ: Erlbaum, 309-345.
- Larson SK, Porges SW. (1982). The ontogeny of heart period patterning in the rat. <u>Developmental</u> Psychobiology 15:519-528.
- Porges SW, Coles MGH. (1982). Individual differences in respiratory-heart period coupling and heart period responses during two attention-demanding tasks. <u>Physiological Psychology</u> 10:215-220.
- Porges SW, McCabe PM, Yongue BG. (1982). Respiratory-heart rate interactions:
 Psychophysiological implications for pathophysiology and behavior. In J Cacioppo and R
 Petty, eds. <u>Perspectives in Cardiovascular Psychophysiology</u>. New York: Guilford, 223-264.
- Yongue BG, McCabe PM, Porges SW, Rivera M, Kelley SL, Ackles PK. (1982). The effects of pharmacological manipulations that influence vagal control of the heart on heart period, heart-period variability, and respiration in rats. Psychophysiology 19:426-432.
- Porges SW, Ackles PK, Truax SR. (1983). Psychophysiological measurement: Methodological constraints. In A Gale and J Edwards, eds. <u>Physiological Correlates of Human Behavior</u>. London: Academic Press, 219-240.
- Porges, S.W. (1983). Heart rate patterns in neonates: A potential diagnostic window to the brain. In TM Field and AM Sostek, eds. <u>Infants Born at Risk: Physiological and Perceptual Responses</u>. New York: Gurney & Stratton, 3-22.
- Donchin Y, Caton D, Porges SW. (1984). Spectral analysis of fetal heart rate in sheep: The occurrence of respiratory sinus arrhythmia. <u>American Journal of Obstetrics and Gynecology</u> 148:1130-1135.
- Greenspan SI, Porges SW. (1984). Psychopathology in infancy and early childhood: Clinical perspectives on the organization of sensory and affective-thematic experience. Child <u>Development</u> 55:49-70.
- McCabe PM, Yongue BG, Porges SW, Ackles PK. (1984). Changes in heart period, heart period variability and a spectral analysis estimate of respiratory sinus arrhythmia during aortic nerve stimulation in rabbits. <u>Psychophysiology</u> 21:149-158.
- Porges SW. (1984). Heart rate oscillations: An index of neural mediation. In MGH Coles, R Jennings, and J Stern, eds. <u>Psychophysiological Perspectives: Fetschrift for Beatrice and John Lacey</u>. New York: Van Nostrand Reinhold, 144-162.
- Porges SW. (1984). Physiological correlates of attention: Core process underlying learning disorders. <u>Pediatric Clinics of North America: Symposium on Learning Disorders</u> 31:371-385.

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- Donchin Y, Feld JM, Porges SW. (1985). Respiratory sinus arrhythmia during recovery from isoflurane-nitrous oxide anesthesia. Anesthesia and Analgesia 64:811-815.
- Fox NA, Porges SW. (1985). The relationship between neonatal heart period patterns and developmental outcome. Child Development 56:28-37.
- McCabe PM, Yongue BG, Ackles PK, Porges SW. (1985). Changes in heart period, heart-period variability, and a spectral analysis estimate of respiratory sinus arrhythmia in response to pharmacological manipulations of the baroreceptor reflex in cats. <u>Psychophysiology</u> 22:195-203.
- Porges SW, Drasgow F, Ullmann RK, Sleator EK, Sprague RL. (1985). Illinois classroom assessment profile: Development of the instrument. <u>Multivariate Behavioral Research</u> 20:141-159.
- Porges SW. (1985). Respiratory sinus arrhythmia: An index of vagal tone. In JF Orlebeke, G Mulder, and LJP Van Dornen, eds. <u>Psychophysiology of Cardiovascular Control: Models, Methods, and Data</u>. New York: Plenum, 437-450.
- Porges SW. (1985). Spontaneous oscillations in heart rate: Potential index of stress. In PG Moberg, ed. Animal Stress. Bethesda, MD: The American Physiological Society, 97-111.
- Porges SW. (1985). The Vagal tone monitor: Application in sleep research. <u>Proceedings of the Seventh Annual Conference of the IEEE Engineering in Medicine and Biology Society</u>, 868-869.
- Taylor HL, Dellinger JA, Richardson BC, Weller MH, Porges SW, Wickens CD, LeGrand JE, Davis JM. (1985). The effects of atropine sulfate on aviator performance (Technical Report No. ARL TR-85-1). Aviation Research Laboratory, Institute of Aviation, University of Illinois at Urbana-Champaign, Savoy, IL, 61874.
- Hatch JP, Klatt K, Porges SW, Schroeder-Jasheway L, Supik JD. (1986). The relation between rhythmic cardiovascular variability and reactivity to orthostatic, cognitive, and cold pressor stress. Psychophysiology 23:48-56.
- Linnemeyer SA, Porges SW. (1986). Recognition memory and cardiac vagal tone in 6-month-old infants. Infant Behavior and Development 9:43-56.
- Porges SW, Fox NA. (1986). Developmental psychophysiology. In MGH Coles, E Donchin, and SW Porges, eds. <u>Psychophysiology: Systems, Processes, and Applications</u>. New York: Guilford, 611-625.
- Porges SW. (1986). Data analysis in the frequency domain. In MGH.Coles, E Donchin, and SW Porges, eds. <u>Psychophysiology: Systems, Processes, and Applications</u>. New York: Guilford, 206-211.
- Porges SW. (1986). Respiratory sinus arrhythmia: Physiological basis, quantitative methods, and clinical implications. In P Grossman, K Janssen, and D Vaitl, eds. <u>Cardiorespiratory and Cardiosomatic Psychophysiology</u>. New York: Plenum, 101-115.
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- Cottingham JT, Porges SW, Richmond K. (1988). Shifts in pelvic inclination angle and parasympathetic tone produced by Rolfing soft tissue manipulation. <u>Physical Therapy</u> 68:1364-1370.
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- Porter FL, Porges SW, Marshall RE. (1988). Newborn pain cries and vagal tone: Parallel changes in response to circumcision. <u>Child Development</u> 59:495-505.
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- Porges SW, Bohrer RE. (1990). Analyses of periodic processes in psychophysiological research. In JT Cacioppo and LG Tassinary, eds. <u>Principles of Psychophysiology: Physical, Social, and Inferential Elements</u>. New York: Cambridge University Press, 708-753.
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- Izard CE, Porges SW, Simons RF, Parisi M, Haynes OM, Cohen B. (1991). Infant cardiac activity: Developmental changes and relations with attachment. <u>Developmental Psychology</u> 27:432-439.
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Scholarships and Awards

National Institute of Mental Health Research Fellow (8/69-8/70)

National Institute of Mental Health Research Scientist Development Award (Type II: 7/75-12/80, 12/81-8/85)

Fellow, American Psychological Association (Divisions 6 and 7)

Charter Member, Emeritus, and Fellow, Association for Psychological Science

Edna Reiss – Sophie Greenberg Chair (9th annual), recognizing outstanding professionals in the field of child/adolescent mental health (2013)

Pierre Janet Plenary Address (11/2013)

Lifetime contribution to psychophysiology awarded by the Biofeedback Foundation of Europe (2/2014)

B.F. Skinner Lecture to the Association of Behavioral Analysis International (5/2014)

Pioneer Award, United States Association of Body Psychotherapy (2018)

Professional Societies

American Psychological Association Association for Psychological Science

Society for Psychophysiological Research

Professional Service

National Institute for Child Health and Human Development

Maternal and Child Health Research Committee (1991-1995)

Chair, Maternal and Child Health Research Committee (1994-1995)

Society for Psychophysiological Research

President-Elect (1992), President (1993), Past-President (1994)

Secretary-Treasurer (1975-1978)

Board of Directors (1975-1979, 1986-1989)

Ad Hoc Education and Training Committee (1992-1994)

Ad Hoc Committee on Psychophysiology as a Discipline (1994)

Awards Committee (1992-1994)

Convention Site Chair (1980-1983)

Program Committee (1974, 1986)

Young Investigator Award Committee (1981, 1982)

Nominations Committee Chair (1996)

Representative to the Federation of Behavioral, Psychological and Cognitive Sciences (1996-1999)

International Conference on Infant Studies

Program Chairman (1980)

Program Committee (1982, 1984, 1986, 1988, 1990, 1992, 1994, 1996, 1998, 2000)

Society for Research in Child Development

Program Committee (1981, 1983, 1985, 1987, 1989, 1991, 1993, 1995, 1997, 1999, 2001)

Representative to the Federation of Behavioral, Psychological and Cognitive Sciences (1991-1999)

The National Academies U.S. National Committee for the International Union of Psychological Science (2006-2009)

Federation of Behavioral, Psychological and Cognitive Sciences

President (1999-2002); Past President (2003)

Animal Welfare Committee (1986-1990)

Forum on Research Management (1991-1993)

Chair of Forum on Research Management (1993)

Nominations Committee (1993)

Executive Committee (1994-1997, (2005-2006)

Editorial Duties

Associate Editor:

Psychophysiology (1983-1987)

Editorial Board:

Infant Behavior and Development (1977-1992)

Child Development (1978-1980)

Developmental Psychobiology (1985-1991, 1995-1999)

Journal of Applied Developmental Psychology (1993-2014)

Developmental Review (2000-2014)

Series Co-editor:

Benchmark Papers in Behavior (1979-1983)