

CURRICULUM VITAE

DENNIS L. MOLFESE, Ph.D.

February, 2018

Mildred Francis Thompson Professor of Psychology
Director, Developmental Neuroscience Laboratory
Member, Concussion Neuroimaging Consortium
Founding Director Emeritus, Center for Brain, Biology and Behavior
Founding Director Emeritus, Big10-Ivy League Concussion Consortium
Center for Brain, Biology and Behavior
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<http://psychology.unl.edu/dennis-molfese>

EDUCATION

B.A.: The Oklahoma City University, 1969, Psychology
M.S.: The Pennsylvania State University, 1970, Psychology
Ph.D.: The Pennsylvania State University, 1972, Psychology

Dissertation: Molfese, D. L. *Cerebral asymmetry in infants, children and adults Auditory evoked responses to speech and music stimuli*, Unpublished Doctoral Dissertation, The Pennsylvania State University, 1972.

ACADEMIC EXPERIENCE

Mildred Francis Thompson Professor, Department of Psychology, University of Nebraska-Lincoln
Editor-in-Chief, *Developmental Neuropsychology*, 1993 – 2017.
Director, Big 10/CIC/Ivy League Intercollegiate Concussion Research Group 2010-2015.
Member, CIC Big10/Ivy League Project Governance Board 2010-2015.
Director, Center for Brain, Biology and Behavior, 2010-2015.
Founding Director, UNL Brain Imaging Center, 2010-2015.
Professor, Department of Special Education & Communication Disorders, 2010-present.
Volunteer Faculty Member, Department of Psychiatry, University of Nebraska Medical School, Omaha, NE. 2014 - present.
Member, National Academy of Sciences Commission on Sports Concussion in Youth, 2012-2013.
Visiting Professor, Child Study Center, Yale University, 2009-2010.
Research Collaborator/Affiliate, Haskins Laboratories, Yale University New Haven, CT, 2009-present.

Distinguished University Scholar, University of Louisville, 1999 - 2010
Professor, Birth Defects Center, University of Louisville, 2006 - 2010.
Professor, Department of Molecular, Cellular and Craniofacial Biology,
University of Louisville, 2006 - 2010.
Chair and Professor, Department of Psychological and Brain Sciences,
University of Louisville, 1999 –2006.
Associative Appointments, University of Louisville (1999-2010):
Department of Psychological and Brain Sciences, College of Arts & Sciences
Department of Pediatrics, School of Medicine
Department of Physiology & Biophysics, School of Medicine,
Department of Education and Counseling Psychology, College of Education &
Human Development
Collaborative Investigator to the National Institute of Child Health and Human
Development, 2005 - present.
Co-Director with Victoria J. Molfese of one of 15 National Laboratories that make up the
National Institutes of Health Reading & Learning Disabilities Research Network.
Adjunct Professor, Department of, Psychiatry, School of Medicine, Southern Illinois
University, 1999 – 2003.
Chair, Behavioral and Social Sciences, School of Medicine, Southern Illinois University,
1992 - 1999.
Professor of Psychology, Southern Illinois University, September, 1980 - 1999.
Professor, Departments of Pediatrics, Physiology, Psychiatry, Behavioral and Social
Sciences, School of Medicine, Southern Illinois University.
Research Associate, Yerkes Regional Primate Research Center, Emory University,
Atlanta, Georgia, 1989 - 1993.
Associate Professor of Psychology, Southern Illinois University, September, 1976 –
August, 1980.
Assistant Professor of Psychology, Southern Illinois University, August, 1972 –
August, 1976.

AWARDS

American Psychological Association Distinguished Young Scientist Award-1st runner up.
American Psychological Association, Fellow, 1980
American Psychological Society, Foundation Fellow, 1990
Sigma Xi Kaplan Research Award for Outstanding Contributions in Psychology, 1987
Southern Illinois University, Outstanding Scholar Award, 1990
The Honor Society of Phi Kappa Phi Award for Scholarly Achievement, 1997
Distinguished University Scholar, University of Louisville, 1999 – 2010
University of Louisville, College of Arts and Sciences Dean's Award: Outstanding
Department Leadership, 2004-2005.
Kentucky Psychological Association, Psychologist of the Year Award, 2006
Mildred Francis Thompson Professor, Department of Psychology, 2010-Present.
The Nebraska Lecture. The New Normal: The Brain After Concussion, 2014
Outstanding Postdoctoral Mentor Award, University of Nebraska-Lincoln, 2014
Nominated: 2015 Garnett-Powers & Associates, National Postdoctoral Mentor Award

Inaugural Neuroeducator Award, Electrical Geodesics Inc., 2015
Life Time Achievement Award For Contributions To The Fields Of Learning Disabilities
and Dyslexia. Nebraska Dyslexia Association, October, 2015.
Outstanding Alumni Award, The Pennsylvania State University, May, 2017.

HOSPITAL PRIVILEGES (Active)

Permanent privileges, Dependent Allied Health Professional, St. Elizabeth Regional
Medical Center, 2011 - present.

SPECIAL WORKING COMMITTEES (National & State)

Siemens Research Scientific Imaging Collaboration Group, 2014 - present
CNC Imaging Consortium, 2014 – present
CIC Education & Outreach Working Group, 2014 - present (Vice Chair)
Member, CIC Big10/Ivy League Project Governance Board, 2012 – 2015
CARE Consortium Operating Committee, 2014 – 2015
Lincoln Public Schools Sports Medical Advisory Committee, 2011 – present.
Brain Injury Association of Nebraska, 2011 – present.

EDITORIAL EXPERIENCE

Editor-in-Chief, Developmental Neuropsychology (Psychology Press), 1993 - 2016.

SCIENTIFIC JOURNAL EDITORIAL BOARDS:

Annals of Dyslexia, 2010 - present
Annals of Behavioral Neuroscience, 2017 - present.
Eye and Brain, Honorary Editorial Board Member, 2009-present.
ISRN Biomedical Engineering, 2012 - present
Brain and Language (Academic Press), 1980 – 1994.
Journal of Experimental Child Psychology (Academic Press), 1983 – 1985.
Brain and Cognition (Academic Press), 1981 – 1988.

SCIENTIFIC REVIEW PANELS

Chair, Scientific Review Committees (Study Section) for Learning Disabilities Research Centers and Program Projects, NICHD, NIH (1994 - 1995).
Study Section Member, Perception & Cognition, NIMH, 1994-1998.
Special review Program Project Panel member, Department of Education, August, 2001.
Special review Program Project Panel member, NIH, November, 2001.
BBBP-4 NIH Study Section, June, 2001.
NIDCD Brain Disorders and Clinical Neurosciences IRG (BDCN-2), March, 2003.
NIH Brain Disorders and Clinical Neurosciences IRG (BDCN-2), March, 2003.
NIH Learning Disabilities Center Review, June, 2003.
NIH Council Fogarty Pediatric S.E.P. Review, August, 2003.
NIH National Institute on Deafness & Other Communicative Diseases, September, 2003.
Chair, Special Review Panel on Learning Disabilities Research Centers, NIH, 2005
NSF Site Visit Team member – Learning Centers, 2005
NIH Special Study Section on Learning Interventions, 2005
Member, various NIH special panel reviews, 2006-2008.
Canadian Review team Member, National Learning Centers Review, 2007.
Chair, Special P01 Review Panel, NIH, 2008
Special Emphasis Panel/Scientific Review Group ZHD1 DSR-H, April, 2008.
Chair, Special Review Panel on Learning Disabilities Research Centers, October, 2008
Member, Cognition, Language and Perception Fellowship Study Section, 2008, 2009
NIH Language and Perception Fellowship Review, March, July, 2009
NIH Language and Perception Fellowship Review, March, July, 2010
NIH Language and Communication Study Section (LCOM), February, 2012
NIH Special Panel: NFL Concussion Grant Review Panel, August, 2013.
NIH Special Panel: RFA-NS-14-012 to Detect, Define and Measure the Progression of NIH Chronic Traumatic Encephalopathy (CTE), April, 2015
NIH P50 Review, September, 2015
NIH Language Review Panel, 2016.
NIH Center Review, July, 2017.

Occasional ad hoc reviewer and site visit team member or chair for NIH as well as reviewer for National Science Foundation, National Foundation/March of Dimes, The Ontario Mental Health Foundation, John Simon Guggenheim Memorial Foundation.

NICHD Biobehavioral 10 Year Strategic Planning Group, 1999-2001, published in NIH pamphlet, Biobehavioral Development: From Cells to Selves, NICHD Clearinghouse, Rockville, MD, 2001.

Ad hoc reviewer: Psychological Bulletin, Psychological Review, Child Development, Journal of Educational Psychology, Psychologische Forschung, Developmental Psychology, Science, Perception and Psychophysics, Journal of Psychophysiology, Journal of Clinical and Experimental Neuropsychology, Journal of Perceptual and Motor Skills, American Journal of Mental Deficiency, Journal of Speech and Hearing Disorders, Child Development Abstracts and Bibliography, Journal of

Experimental Child Psychology, Journal of Electroencephalography and Clinical Neurophysiology, Developmental Psychobiology.

Occasional text book reviewer: Prentice Hall, John Wiley, Saunders, Wadsworth, Random House, Free Press Publishers, Stanford University Press, Southern Illinois University Press, M.I.T. Press.

Corresponding associate commentator, The Behavioral and Brain Sciences (S. Harnad, Editor).

Member, SRCD Boyd McCandless Award Committee for Distinguished Young Scientist. April, 2003.

CONFERENCES ORGANIZED

1. Co-founder and co-organizer with M. Dennis, S. Segalowitz, & H. Whitaker of annual conference, "Body for the Advancement of Brain, Behavior, and Language Enterprises (BABBLE), which reported on research in the neuropsychology of language and cognition. Meetings were held annually at Niagara Falls, Canada, from 1977 to 1989.
2. Co-founder and co-organizer with S. Segalowitz and H. Whitaker of Annual International Neuropsychology Conference, TENNET. Meetings were held in 1990 through 1996 in Montreal, Quebec, Canada.
3. Co-organizer with S. Segalowitz for the Conference on the Developmental Implications of Brain Laterality. Brock University, St. Catharines, Ontario, Canada, May, 1985.
4. Founder and co-organizer, Bi-annual Life Span Development Conference, Southern Illinois University - Carbondale, 1993, 1995, 1997.
5. Conference organizer, Developmental Neuropsychology Conference, New Orleans, LA, March, 1993.
6. Conference organizer, Developmental Neuropsychology. Paris, France, June, 1994.
7. Conference organizer, Developmental Neuropsychology. Indianapolis, IN, March, 1995.
8. Conference organizer with S. A. Segalowitz (July, 1995). Child Neuropsychology and Developmental theory: Mutual Implications. Brock University, St. Catharines, Ontario, Canada.
9. Conference organizer, Developmental Neuropsychology, San Francisco, CA, April, 1996.
10. Conference organizer, Developmental Neuropsychology, Washington, DC, April, 1997.
11. Conference organizer, Developmental Neuropsychology, Atlanta, Georgia, April, 1998.
12. Conference Co-Organizer with Hugo Moser, International Leukodystrophy Conference, DeKalb, IL, July, 1998.

13. Conference organizer, Developmental Neuropsychology, Albuquerque, New Mexico, April, 1999.
14. Conference organizer, Developmental Neuropsychology, Minneapolis, Minnesota, April, 2001.
15. Conference organizer, Kentucky Psychological Association Spring Conference, Louisville, KY. April 2004.
16. Conference organizer, Kentucky Psychological Association Spring Conference, Louisville, KY. April 2005.
17. Conference Organizer with Victoria Molfese & Neil Bohannon, Conference on Human Development, Louisville, KY. April 2006.
18. Conference co-organizer with Neil Bohannon, Conference on Human Development, Indianapolis, IN. April 2008.
19. Conference organizer: CIC/Big10/Ivy League Conference on Concussion. Chicago, IL. July, 2013.
20. Conference organizer: CIC/Big10/Ivy League Conference on Concussion. Philadelphia, PA. July, 2014.
21. Conference Co-Organizer: Think Tank Conference on Sports Concussion, CB3, UNL, Lincoln, NE, August, 2014.
22. Conference Co-Organizer: 2015 Educational Neuroscience Conference: Creating Pathways between the Brain & Student Success. UNL, Lincoln, NE, October, 15-16, 2015.
23. Conference Organizer: Concussion Neuroimaging Consortium Conference, UNL, Lincoln, NE, October 20-21, 2015.

INTERNATIONAL SERVICE

1. United Nations Delegation, Belize, at the 27th Special Session of the General Assembly of Children, New York City, NY, April, 2002.
2. Report to Belize Government on Aids/HIV Infection Rates & Recommendations for Interventions, July, 2004.
3. Advisor, Netherlands National multi-site study on Dyslexia.
4. Advisor, Finland National multi-site study on Dyslexia (Dr. Heikki Luttinen, PI)

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

The American Psychological Association (Fellow, 1980, Divisions 3, 7)
 American Psychological Society (Founding Fellow, 1988)
 The Dana Alliance for Brain Initiatives
 The Belgian Society of Electromyography and Clinical Neurophysiology (Invited)
 Sigma Xi (Elected)
 Phi Kappa Phi (Elected)
 Psychonomic Society (Elected)
 American Academy of Sleep Medicine
 Society for Neuroscience
 The Acoustical Society of America
 International Neuropsychological Society
 Society for Research in Child Development
 Society for Psychophysiology

Kentucky Psychological Association
Aerospace Medical Association

PROFESSIONAL ASSOCIATION OFFICES HELD

President, Sigma Xi Honor Society - Southern Illinois Chapter, 1994-1995.
President-elect, Sigma Xi Honor Society - Southern Illinois Chapter, 1993-1994.
Founding President, Society for Neuroscience - Southern Illinois Chapter, 1993-1994.
Committee on Interdisciplinary Affairs Member, Society for Research in Child Development, 1993-1997.
President-elect, Phi Kappa Phi Honor Society - Southern Illinois Chapter, 1998-1999.
International Neuropsychological Society Scientific Advisory Committee, 2006.
Founding Director, Big Ten/CIC Traumatic Brain Injury Research Collaboration, 2011 – 2012
Director, Big Ten/CIC/Ivy League Traumatic Brain Injury Research Collaboration, 2012-
National Academy of Medicine Committee on Sports-Related Concussions in Youth
2012-2013
Nebraska Dyslexia Association Board of Advisors, 2015 - present.
LPS Sports Medical Advisory Committee (SMAC), 2012 - present
Nebraska Concussion Coalition, Nebraska School Activities Association, 2011 - present

SOUTHERN ILLINOIS UNIVERSITY SERVICE

A. Department Committees:

Graduate Admissions Committee, 1972-1974, 1977-1979, 1990; Human Research Committee, 1972-1973; Experimental Psychology Committee, 1972-1999; Developmental Committee, 1972-1978; Biopsychology Committee, 1976-1999; Tenure-promotions Committee, 1976-1999; Chairperson, Subcommittee on tenure/promotion guidelines concerning research, 1979; Chairperson, Graduate Admissions Committee, 1980; Chair, Biopsychology Search Committee, 1981-1982; Chair, Ad Hoc Graduate Stipends Committee, 1982; Graduate Admissions Committee, 1984-1987; Acting Director Experimental Psychology, 1986; Psychology Merit Review Committee, 1986-1987; Chair, Developmental Faculty Search Committee, 1988-1989; Admissions Committee, 1990-1992; 1995-1996.

B. College and University Committees:

Chair of the University-wide Institutional Review Board for Research Involving Human Subjects, January, 1977-1992; Chair, University Subcommittee Area A, for Research with Human Subjects, September, 1973-December, 1976; Member, Internal Review Team for the review of the Linguistics Department, 1978; Member, Dissertation Research Awards Committee, College of Liberal Arts, 1979; Member, Chairperson Search Committee, Department of Linguistics, 1979; Member, Internal Review Team for Department of Communication Disorders and Sciences, 1982; Member, University Computing Affairs Director Search Committee, 1983; Member, Academic Computing Affairs Sub-Committee, 1983-1985; Member, Graduate Faculty Status Committee, 1984-

1987; Member, Honorary Degrees and Distinguished Service Awards Committee, 1984-1988; Member, Morris Fellowship Award Committee, 1984-1987; Member, Internal Review Team for the Department of Rehabilitation, 1987; Member, Internal Review Team for the Department of Physical Education; Chair, Honorary Degrees and Distinguished Service Awards Committee, 1987-1988; Member, University Scientific Misconduct Committee, 1989-1990; Member, Graduate School Distinguished Scholars Committee, 1990-1991; Member, Honorary Degrees and Distinguished Service Awards Committee, 1991-1995.

C. School of Medicine Committees:

Dean's Executive Committee, 1992-present; Chair, Obstetrics, Search Committee, 1994; Dean's Budget Advisory Committee, 1995-1999; Dean's Special Budget Advisory Committee, 1995-1997; Associate Dean for Curriculum Search Committee, 1995; Associate Dean for Information Systems Search Committee, 1995; Computer Advisory Committee, 1996-1999; Chair, Budget Allocation Committee, 1997-1998; Associate Dean Search Committee, 1998.

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UNIVERSITY OF LOUISVILLE SERVICE

Co-Chair, Special Personnel Committee, College of Arts & Sciences, 8/01 – 6/02.
Search Committee for Heuser Hearing Institute Research Endowed Chair, 8/01 – 4/02.
Undergraduate Research Committee, College of Arts & Sciences, 8/01 – 6/30/06.
Member, Special Committee on Department Initiatives, College of Arts & Sciences, 8/01 – 6/30/06.
Member, University of Louisville President's Distinguished Research Award Committee, 11/01 – 6/02.
Member, University of Louisville Search Committee for Director, University Institutional review Board, 11/02 – 4/03.
Member, University of Louisville Committee for Scientific Integrity, 10/02 – 9/03.
Member, University of Louisville HIPPA Committee, 9/03 – present.
Board Member, Heuser Hearing Institute, May, 2004 – present.
Faculty advisor, Psi Chi Honor Society for Psychology, May, 2002 – June, 2005.
Member, Special Committee on Commencement, College of Arts & Sciences, 11/02 – 2/03.
Member, Povost University Planning and Budget Committee for 2005.
Director of University Grawemeyer Undergraduate Research Scholars, 2006 - present.
Member, MCCB Department Faculty Search Committee, 2006-2007.
Member, University of Louisville's Committee on Technology Commercialization, 2008-2009
Chair, Department Chair Evaluation, School of Dentistry, 2009.

UNIVERSITY OF NEBRASKA-LINCOLN SERVICE

CEHS and EDPS Bullying Search Committees, 2015, 2016

RESEARCH INTERESTS AND SPECIALTIES

Developmental Changes In Brain, Language And Cognitive Processes;

Concussion in Athletes: Diagnosis, Intervention & Prevention.
Predicting Cognitive And Linguistic Skills From Infancy;
Electrophysiological Measures Of Learning And Intervention Strategies In Infancy;
Impact of Space Travel on Cognition, Brain Function and Sleep;
Development of Intervention Strategies for Learning Disabilities in Infancy.
Cognitive Functions in and Interventions for Head Injured Adults;
Factors Underlying Lateralization Of Language And Cognitive Functions;
Phonological And Semantic Confusions By Aphasics;
Electrophysiological Techniques To Assess Hearing Abilities In Infants
And Children;
Neural Network Applications To Neuropsychology;
Man - Machine Interactions Using Neuroelectrophysiological Techniques.

TEACHING INTERESTS AND ACCOMPLISHMENTS

Teaching Areas of Expertise: Brain Injury Across the Lifespan, Cognition, Development (Infancy, Child, Life Span), Developmental Neuropsychology, Electrophysiological research methods, Experimental, Introductory, Neurocognition, Neurolinguistics, Physiological, Developmental Psycholinguistics, Speech Perception.

Teaching Honors: Voted one of the top 19 teachers (out of 360) in the College of Liberal Arts, Southern Illinois University at Carbondale, 1977.

Number of Undergraduate Student Honors Theses Supervised: 74.

UNL UCARE Undergraduate Honors Students: 17.

Number of Masters, and Ph.D. Committees On Which I Served: 92.

Students Who Completed Doctoral Dissertations Under My Direction: 26

A. Papanicolaou, R. Erwin, A. Schmidt, F. Wetzel, S. Linnville, C. Adams, L. Burger-Judish, L. Gill, A. Simos, C. Peters, K. Murray, R. Tammana, S. Key, T. Roblek, K. Harvison, N. Pratt, J. Wu, M. Barnes, M. Ferguson, E. Brian, C. Hudac, K. Kelsey, A. Skinner, I. Peterson, C. Cortesa, P. Ledwidge.

Students Who Completed Master's Theses Under My Direction: 35

R. Erwin, S. Segal, S. Seibert, K. Goldberger, G. Shute, G. Nunez, S. Wang, R. Burke, T. Hess, A. Schmidt, L. Burger-Judish, S. Linnville, C. Adams, L. Hans, L. Gill, K. Franklin, K. Muray, A. Tan, M. Ellefson, S. Sakari, T. Wilson, L. Frentis, R. Zheng, K. Peach, J. Wu, N. Pratt, M. Ferguson. C. Warren, M. Barnes, L. Tucker, E. Brian, C. Hudac, K. Kelsey, C. Cortesa, P. Ledwidge.

Postdoctoral Fellows: 14

T. Lorscheid, C. Boliek, D. Narter, S. Kelly, M. Kelley, S. Fonaryova Key, M. Maguire, G. Dove, H. Kook, J. McPherson, D. Sukhodolsky, A. Schermerhorn, S. Kota, C. Malloy.

Supervision of Graduate Student Grant Projects Externally Funded: 4
NIH NRSA K31 Award: M. Barnes (University of Louisville)
APA Dissertation Award: M. Barnes, (University of Louisville,)
NIH K99 Award: Alice C. Schermerhorn, Ph.D. (University of Vermont)
NIH NRSA K31 Award: Isaac Peterson (University of Indiana)

Sabbatical / Visiting Faculty Mentored/Collaborations: 6
T. Bonebright, M.J. Mosely, H. Whitaker, J. Johnson, R. Dykman, J. Dien.

NIH Sponsor & Mentor for faculty: 3
NIH K01 Sponsor & Mentor: D. G. Sukhodolsky, Ph.D. (Yale University),
NIH K23: Sponsor & Mentor J. McPartland, Ph.D. (Yale University)
NIH K02 Sponsored faculty member mentored: Linda Mayes, Ph.D. (Yale University Child Study Center).

External Examiner of Doctoral Dissertations (International)
University of Konstanz, West Germany - 1976
University of Jyvaskyla, Finland – 2003
University of Western Australia - 2006
University of Jyvaskyla, Finland – 2009

SUBMITTED EXTERNAL RESEARCH GRANT APPLICATIONS (2015)

NIH **Jacob Cheadle PI** 06/01/2017 - 05/31/2019
A system dynamics approach to the neuro-behavioral epidemiology of risk in social networks.
Role: Co-PI \$414,100

NIH/NIDDK 1R01DK107742-01A1 T. Nelson (PI) 04/01/2016—3/31/2021
Executive Control and Adolescent Weight Trajectories.
Role: Co-PI \$3,732,467

NIH R25, RFA-MH-16-700. M.R. Johnson (PI)
Programming for neuroscientists and psychologists: A summer workshop series and a flexible framework for online learning of research-oriented programming skills
Role: Co-PI \$607,125.00

NIH/NICHD A. Maerlender (PD) 04/01/2016—3/31/2021
Biomarkers and recovery in sports-related concussions: A multi-site, multimodal study
Role: Co-PI \$5,538,990.00

CURRENTLY FUNDED RESEARCH GRANTS

1R01HD087384
Eunice Kennedy Shriver National Institute of Child Health & Human Development

(NICHD)/National Institutes of Health (NIH)
Household Income and Child Development in the First Three Years of Life
September 2017 – July 2022
Role: Co-PI & Site PI \$1,031,622 (Year 1; subsequent 4 years' funding TBA)

Smith Richardson Foundation Research Grant September 2017-July 2018
Does Money Matter? Poverty Reduction during Early Childhood
UNL Site PIs: D. Molfese, Nelson, Nelson
UNL Subcontract total costs: \$11,125 (\$10,415 direct)

NIH 5R21MH105757-02 D. Molfese 08/01/15- 07/31/17
"Neurocognitive Mechanisms of Developing Executive Control and Risk for ADHD in
Preschool Children."
Major Goal: To use behavior and neuroimaging tools to investigate the development of
executive functions in preschool child at risk for developing ADHD.
Role: PI \$415,250.00

NIH R01 HD073202 John Bates (PI) 06/01/12 – 05/31/17
"Developmental Implications of Early Childhood Sleep."
Major Goal: Investigate relationship between sleep, temperament and cognitive
performance in preschool-age children. \$3,756,742.00
Role: Co-PI

Bill Gates Foundation D.L. Molfese (PI) 08/01/15—05/31/16
EEG Functional Connectivity Assessment of Brain Development (iEEG FCN).
Role: Co-PI \$20,000.00

NSF EHR Core Project. L. Perez (PI) 09/01/15—08/31/16
Collaborative Research: Spatial Visualization Skills and Engineering Problem Solving",
Role: Co-PI \$1,249,556 (UNL Portion \$645,943)

Nebraska Research Initiative Program Maerlender (PI) 6/1/15-5/31/16
Interdisciplinary-Intercampus Investigation Into the Neurophysiological and
Neuropsychological Effects of Concussion in School-Age Children.
Role Co-PI. \$100,000.00

Big Ideas Seed Grants 21-5730-0003 Pierobon (PI) 11/17/14, - 11/16/15
"Neuro TelNet: Telecommunications and Computer Networking in Neuroscience".
Goal: Develop technology to utilize human nerves to convey digital signals.
Role: Co-PI. \$10,000

PAST EXTERNALLY FUNDED RESEARCH GRANTS

NIH R43 HD062072 Poulsen (PI) 9/01/12 to 07/31/15

Integration of High-Density EEG and Hemodynamic Measures to Investigate Neural Functioning.

Major Goal: Develop prototype of integrated high density ERP/NIR net and equipment for use with newborn infants (Phasws 1 and 2).

Role: Co-PI. \$1,600,000

NIH 1R01EB007684. Frishkoff (PI) 2/011/10 – 01/31/14.

NEMO: Robust Methods For Knowledge Representation, Data Mining And Integration. Major Goal: Develop nosology system ERP nomenclature to characterize all Adult ERP paradigms.

Role: Co-PI.

UNMC 36-0411-3001-001 Molfese (PI) 10/1/12 - 12/31/13

“The Connections Project Phase II: Language training for infants in high-risk environments.”

Role: PI. 5% \$36,360.00

NCAA-DOD S. Broglio (PI) 6/01/14 – 6/30/17

“THE NCAA-DOD GRAND ALLIANCE: Concussion Assessment, Research and Education Consortium”.

Role: Site PI 10% \$335,000.

NASA SA23-06-015 11-01-06 - 08-31-10

Molfese, D.L., Molfese, V.J., Gozal, D. & Dykman, R. Impact of Sleep, Microgravity and Stress on Cognition & the Brain.

Role: PI 17%, \$1,839,383,.

Mayes, L. & Molfese, D. L. R01 DA017863 Cocaine-Exposed Children & ERP Studies of Neurocognition. NIH/NIDA, 10%. 1-1-04 to 3-31-10 (\$1,850,000).

Molfese, D.L., Gozal, D., & Molfese, V.J. NIH 5R01HL070911. Sleep and Psychophysiological Function in Children, NIH: National Heart, Lung, and Blood Institute, 20%. (\$1,837,500.00), 1-9-04 to 8-31-08.

Yoder, P. & Molfese, D.L. R01 DC005994-01 ERP and Behavioral predictors of language intervention. NIDCD/NIH, 25%. (\$2,340,268.00), 1/1/04 - 12/31/08.

Molfese, V. & Molfese, D.L IES R305K05186 Scaling Up the Implementation of a Pre-Kindergarten Mathematics Curriculum in Public Preschool Programs. 11/01/06 – 08/31/11

Molfese, D.L., Gozal, D. & Molfese, V.J. Space Flight and Exploration: The impact on perception, cognition, sleep, and brain physiology. 17%, NASA SA42-05-018, \$1,984,000.00. 7/15/05 - 7/14/08.

RM Greene – PI – (NIH P20-PRR024932A). Molecular Determinants Of Developmental Defects. NCCR Center For Biomedical Research Excellence, 2009-2014 – (\$9,828,048.00). Molfese subgrant component addresses cleft palate repair in infants from 6 months to 2 years of age (\$350,000 over 5 years).

Molfese, D.L., Fadem, K.C., & Barker, J. Neonatal Dyslexia Screening Device for Clinical Use. NICHD R41 HD47083-01, 10%, (\$126,000.00), 9/9/04 - 7/31/06.

Molfese, V. J., Molfese, D. L., Karp, K., & Thompson, C. R215K000023. Development of Reading and Mathematical Skills in Early Childhood: The Role of Cognitive Development, Education and Social-Environmental Variables. U.S. Department of Education, 20%. 6/1/2000 - 8/1/2006. (\$1,300,000.00).

Molfese, V.J., Molfese, D.L., & Riese, M. 90XA0011. Risk Factors for Abuse, Neglect, and Developmental Delay: Children of Premature and Multiple Birth High Risk Families. U.S. Department of Health and Human Services, 10%. 2000 – 2005 (\$920,000).

Mayes, L. & Molfese, 1 S10 RR019258-01. 256 Channel Geodesic EEG System. NCCR. 4-1-04 to 3-31-05. (\$270,000 Direct Costs).

Molfese, D. L., & Molfese, V. J. R01 HD17860-15. Neonatal predictors of language performance. National Institute of Health, Principal Investigator, 25%, 4/1/1997-3/31/2003 (\$1,756,248.00).

Molfese, D.L. Brain Plasticity. Jewish Hospital Foundation, 5%. August, 2001-July, 2004. (\$50,000.00).

Yoder, P.J., Molfese, D. L., Molfese, V. J., & Davis, M. R03 DH39361. Evoked potentials and speech and language intervention. National Institute of Health. 5%, 7/1/2000 – 6/30/2002. (\$100,000.00).

Schmidt, R., & Molfese, D. L. EEG Analysis System. Small Business Initiated Research Program, NIH, Phase II, 10%, 7/1/2000-12/31/2001 (Subcontract, \$90,000.00).

Schmidt, R., Molfese, D. L., & Gupta, L. EEG Telemetry System. Small Business Initiated Research Program, NIH Phase 1. Subcontract, 5%, \$6,000.00, 6/1/1995-6/1/1996.

Schmidt, R., & Molfese, D. L. EEG Collection System. Small Business Initiated Research Program, NIH, Phase II, 10%, 7/1/97-12/31/99 (Subcontract, \$80,000.00).

Molfese, D. L., & Molfese, V. J. (1991-1996). Neonatal predictors of language performance. National Institute of Health (\$470,461.00).

Molfese, D. L., & Murray, K. (1994-1996). The effects of head down tilt on cognitive processing. National Aeronautics and Space Administration (\$44,000.00)

Molfese, D. L., & Molfese, V. J. (October 1, 1994-June 30, 1995). Assessment services for rural, at-risk children. Kellogg Foundation (\$42,200.00).

Molfese, D. L., & Molfese, V. J. (January 1, 1993-March 1, 1994). Mobile unit testing of rural, at-risk children. Kellogg Foundation (\$25,200.00).

Molfese, D. L. (1989-1994). Co-Principal Investigator with R. Morris. Neuropsychological foundations of language project. Duane L. Rumbaugh (Program Project Principal Investigator), Behavioral studies of language and cognition. National Institutes of Health.

Molfese, D. L., & Molfese, V. J. Neonatal predictors of Language Performance. National Institute of Health, HD17860. August, 1986 - September, 1991. (\$550,804.00).

Molfese, V. J., Molfese, D. L., & Hamilton, W. Predicting cognitive and linguistic development from measures taken from birth. March of Dimes Birth Defects Foundation. (\$30,000.00). March 1, 1988 - February 28, 1990.

Molfese, D. L. Hemispheric specialization for voicing and meaning: Cross-language comparisons. NATO. (\$4,000.00) January 1983 - December 1988.

Molfese, D. L., & Morse, P. A. Infant word recognition: Memory and cross modal matching. National Science Foundation. March 1983 - March 1987. BNS 82-10846 (\$280,000.00)

Molfese, D. L. Encouraging interdisciplinary collaboration. John D. and Catherine T. MacArthur Foundation, January, 1981 (1 year). (\$10,000.00)

Molfese, D. L., Pitz, G. F., Smith, D., Haynes, S., & Gannon, L. Analyses of Behavioral and Neural Processes. National Science Foundation, July, 1980 (1 year). NSF-BNS-8004429 (\$20,000.00)

Molfese, D. L., Molfese, V. J., & Sunshine, P. "Predicting cognitive and linguistic capacities of low birth weight and normal birth weight infants." The National Foundation/March of Dimes. March 1, 1978 - February 29, 1980. Renewed March 1, 1980 - February 28, 1982. (\$54,000.00)

Molfese, V. J., & Molfese, D. L. Predicting cognitive and linguistic development from measures taken from birth. March of Dimes Birth Defects Foundation. March 1984 - February 1988. (\$36,000.00).

PAST INTERNALLY FUNDED GRANTS

UNL Seed Grant.

Molfese (PI)

10/1/12 to 06/30/15

“Big10/CIC/Ivy League TBI Research Collaboration.” 2157220003
 Role: PI. 5% \$100,000.00

State of Nebraska. Molfese (PI) 07/01/13 – 06/30/18
 “Center for Brain, Biology and Behavior.” 2132420004
 Role: PI. 5% \$350,000.00/year

State of Nebraska. Molfese (PI) 07/01/13 – 06/30/14
 “Center for Brain, Biology and Behavior.” 2157220004
 Role: PI. 5% \$300,000.00/year

State of Nebraska. Molfese (PI) 04/01/11 – 03/31/15
 Using 21st Century Computer Science to Enhance Community-Oriented Minority Health.
 Major Goal: To enhance research on minority health and special populations.
 2157050159
 Role: PI. 5% \$350,000.00

State of Nebraska. Molfese (PI) 06/01/11 – 05/31/14
 Equipment enhancement grant to purchase 3T fMRI.
 Role: PI. 5% \$1,300,000.00

State of Nebraska. Molfese (PI) 07/01/12 – 06/30/14
 Equipment enhancement grant to outfit endocrine laboratory.
 Role: PI. 1% \$200,000.00

Molfese, D. L. Space travel and brain function: Neuropsychological correlates of time perception in individuals placed in an inverted reclining position to simulate body fluid shifts associated with microgravity conditions in space flight. ORDA, Southern Illinois University at Carbondale, 1990-1992. (\$9700.00)

Molfese, D. L. Traumatic Brain Injury. ORDA. July 1987-May 1990. (\$9600.00)

Molfese, D. L. How Infants Learn Their First Words, ORDA, Southern Illinois University at Carbondale. July 1, 1984 - June 30, 1987. (\$14,400.00)

Molfese, D. L. Electrophysiological correlates of semantic features: A study of polar adjectives. Southern Illinois University Special Research Award. July 1982 - June 1984. (\$6750.00)

Molfese, D. L. Electrophysiological Correlates of Vowel Perception. Southern Illinois University Special Research Award, July, 1980 - June, 1982. (\$9,000.00)

Molfese, D. L. (Psychology), Dezenolet S. (Speech Pathology), and Lehr, R. (Medical School), “Electrophysiological correlates of cognitive and semantic cues processed by aphasics.” Southern Illinois University at Carbondale, Special Research Award, January 1, 1979 - December 31, 1979. (\$3700.00)

Molfese, D. L. Southern Illinois University at Carbondale, Special Research Award: "Electrophysiological correlates of speech perception in adults," 1978 - 1979. (\$3600.00)

Molfese, D. L. Southern Illinois University at Carbondale, Special Research Award: "Infant Speech Perception." 1973 - 1976. (\$10,200.00)

Graduate Student Summer Fellowship Awards

NSF Two Month Graduate Summer Fellowship, Center for Human Learning, University of Minnesota. James J. Jenkins, Ph.D. (Center Director), Mentor. Summer, 1970.

State University of New York – Buffalo, Linguistic Institute 1971. Six Week Fellowship, H.A. Whitaker, John Lyons, Ph.D., Mentors, 1971.

PROFESSIONAL HONORS

Outstanding Alumni Award, The Pennsylvania State University, May, 2017.

Inaugural EGI Educator Award 2015

Outstanding Postdoctoral Mentor Award, 2014, University of Nebraska Graduate Student Association.

Psychologist of the Year 2006. Kentucky Psychological Association.

Collaborative Investigator to the National Institute of Child Health and Human Development, 2005- present.

Dean's Award for 2004-2005 Outstanding Department Chair, College of Arts & Sciences, University of Louisville.

Distinguished University Scholar, University of Louisville, 1999-2010.

Phi Kappa Phi Outstanding Scholar, 1997, Southern Illinois University.

University Outstanding Scholar, 1990, Southern Illinois University.

Sigma Xi Kaplan Research for Significant Contributions in Child Psychology, April, 1987.

Summer Research Fellowship Award, Southern Illinois University, 1983.

Visiting Research Scientist, University of Konstanz, West Germany, 1981.

College of Liberal Arts Special Research Travel Award, April, 1979.

Summer Postdoctoral Fellow, University of Konstanz, West Germany, 1975.

Southern Illinois University, 1973 Summer Research Salary Award.

Postdoctoral Fellow, University of Konstanz, West Germany, 1973.

The State University of New York at Buffalo: NSF Summer Fellow.

Linguistic Society of America, Linguistic Institute, 1971.

The University of Minnesota: NSF Summer Fellow: Center for Research in Human Learning, 1970.

The Pennsylvania State University: NICHD Predoctoral Research Fellowship, 1969-1972.

RESEARCH HONORS/AWARDS

Molfese, D., Price, J., Molnar, A., Snowdy, C., Molfese, P., Beswick, J. & Molfese, V., (October, 2006). Hemispheric Differences in Speech Processing among 4-year-old Males and Females. Poster presented at Research!Louisville, Louisville, Kentucky. First Place Award – Innovations in Behavioral Science. \$500.00 Award.

Mary C. Wagner & Dennis L. Molfese. (2005). Investigating The Relationship Between Early Reading Skills And Phonological Processing. Research!Louisville, November, 2005. First Place Award – Innovations in Behavioral Science. \$500.00 Award.

Research! Louisville First Place Award (2004) Molfese, D.L., Molfese, V.J., Fonaryova, Key, S., Fergusson, M. Evidence of common brain mechanisms for reading and shape discrimination in children. Straub, S., & Peach, K. (2004, November). University of Louisville and Jewish Hospital Foundation. \$500.00 Award.

Research! Louisville Second Place Award (2003) Ferguson, M., Straub, S., Molfese, V., Molfese, D.L., Fonaryova Key, A., Peach, K., Walker, J. & Neamon, J. (2003, November). University of Louisville and Jewish Hospital Foundation. \$200.00 Award.

Research! Louisville First Place Award for “Dyslexic, Average, And Advanced Readers Engage Different Brain Regions While Reading”. D. Molfese, A. Fonaryova Key, S. Kelly, N. Cunningham, C. Ramage, V. Molfese, S. Terrell & M. Ferguson. (October, 2002). University of Louisville and Jewish Hospital Foundation. \$500.00 Award.

Research! Louisville Third Place Award for “Dynamic Brain Processing Of Speech In Newborn Infants”. V. Molfese, D. Molfese, A. Fonaryova Key, S. Kelly, M. Kelley, T. Wilson, N. Cunningham, E. Ratajczak, D. Jardine, and C. Ramage (October, 2002). University of Louisville and Jewish Hospital Foundation.

Research! Louisville First Place Award for “Interdisciplinary Collaborative Research Team” (2001). Molfese, V. and Molfese, D. (October, 2001). University of Louisville and Jewish Hospital Foundation. \$500.00 Award.

Research! Louisville Third Place Award for “Innovation in Behavioral Science” (2001). V. Molfese, D., Molfese, S., Terrell, M., Ferguson, A., Key, S., Kelley, N., Cunningham, and C., Ramage, (October, 2001). University of Louisville and Jewish Hospital Foundation.

Research! Louisville First Place Award for “Innovation in Behavioral Science” (2000). Victoria J. Molfese, Dennis L. Molfese, Arlene Modglin and Kirsten Schaper. University of Louisville and Jewish Hospital Foundation. \$500.00 Award.

CONSULTANT

Molfese, D. L. (1974-1999). Audiometric screening of newborn infants, Memorial Hospital of Carbondale, Carbondale, Illinois.

Molfese, D.L. (1997-present). Dr. Heikki Lyytinen, Finland National Longitudinal Study on Dyslexia.

Molfese, D.L. & Molfese, V.J. (2000-present). State of South Carolina Learning Disabilities Assessment and Intervention [Foster Young, M.D. coordinator].

Molfese, D.L. (2000-present). Scientific Advisory Committee for the Arkansas Children's Nutrition Center (ACNC).

Molfese, D.L. Dutch National Longitudinal Study on Dyslexia. (2002-present).

Molfese, D. L. (2002 – present). Consultant, Youth of Promise Project, Dr. Barbara Givens, P.I. Krasnow Institute for Advanced Study, George Mason University, Virginia.

Molfese, D.L. (2003-present). Child Study Center, School of Medicine, Yale University.

Molfese, D.L. (1997-present). Electrical Geodesics Inc. Beta site for ERP equipment and procedure development.

Molfese, D.L. (2002-present). Belize, C.A.

Molfese, D.L. (2005-present). External Advisory Board, Language Research Center, Emory University, Atlanta, Georgia.

Molfese, D.L. (2010-present). External Advisory Board Member for a Program Project entitled: "Neurobiological bases of language heterogeneity in school-aged speakers with ASD".

Molfese, D.L. University of Cincinnati Adolescent Sleep Project, 2009-2012.

Molfese, D. L. (2012-present) Boys Town Scientific Advisory Panel.

Molfese, D.L. (2014-present) EGI Beta Test site for electrophysiology equipment.

Molfese, D.L. (2003-present). Nebraska Dyslexia Association.

Molfese, D.L. & Molfese, V.J. (2015-). State of Kentucky Reading Intervention Program.

WORKSHOPS ORGANIZED AND DELIVERED.

Molfese, D.L. (November, 2000). Grant Writing Workshop Speaker. Research Louisville. Jewish Hospital, Louisville, KY.

Carson, D., Ronau, R. & Molfese, D.L.. (April, 2001). Creating a budget and writing a budget narrative. School of Education sponsored Faculty Grant writing workshop. University of Louisville.

Molfese, D.L. (November, 2001). Grant Review Workshop Speaker. Research Louisville. Jewish Hospital, Louisville, KY.

Molfese, V.J. & Molfese, D.L. (March, 2002). School Readiness Outcomes. Metro United Way.

Molfese, D.L. (October, 2002). ERP Testing in Pediatric Populations. Developmental Neuropsychology Laboratory, University of Louisville.

Molfese, D. (October, 2003). How to deal with all the requirements of submitting an external grant application. College of Arts & Sciences, University of Louisville.

Molfese, D.L. (October, 2003). ERP Testing in Pediatric Populations. Developmental Neuropsychology Laboratory, University of Louisville.

Molfese, D.L. (November, 2003). Grant Review Workshop Speaker. Research Louisville. Jewish Hospital, Louisville, KY.

Molfese, D.L. (November, 2004). Grant Review Workshop Speaker. Research Louisville. Jewish Hospital, Louisville, KY.

Molfese, D.L. (September, 2004). Navigating the Road to Tenure: Publications, Presentations, and Professional Service. College of Education & Human Development, University of Louisville.

Molfese, D.L. (October, 2004). To sleep or not to sleep: Impact of sleep loss on cognition. Kentucky Psychological Association, Louisville, Kentucky.

Molfese, D.L. (April, 2005). Learning disabilities; Current research. Kentucky Psychological Association, Louisville, Kentucky.

Molfese, V.J. & Molfese, D.L. (August, 2005). Interventions for dyslexic children in the classroom. Jefferson Town Public School.

Molfese, V.J. & Molfese, D.L. (November, 2005). Reading disabilities: Definitions and strategies for intervention. Kentucky Psychological Association, Louisville, Kentucky.

Molfese, D.L. & Molfese, P.J. (November, 2005). Advances and applications in brain imaging. Kentucky Psychological Association, Louisville, Kentucky.

Molfese, D.L. (March, 2006). Strategies for success as a professor. College of Education, University of Louisville.

Molfese, D.L. (March, 2006). ERP Testing in Pediatric Populations. Developmental Neuropsychology Laboratory, University of Louisville.

Molfese, D.L. & Molfese, V.J. (March, 2006). Writing a successful grant application. Kentucky Psychological Association, Louisville, Kentucky.

Molfese, D.L. (March, 2006). How to succeed in academia. Kentucky Psychological Association, Louisville, Kentucky.

Molfese, D.L. & Molfese, V.J. (September, 2006). Lecture series on "Steps to Successful Grant Writing". Mocomb, IL.

Molfese, D.L. (November, 2006). Invited workshop on "Steps to Writing a Successful Grant Application. Western Kentucky University.

Molfese, D.L. (November, 2006). Invited workshop on "Writing a Successful Grant. Lake forest University. Illinois.

Molfese, D.L. & Molfese, V.J. (March, 2008). Invited workshop on "Writing Successful Grant Applications." Kentucky Psychological Association, Louisville, Kentucky.

Molfese, D.L. (September, October, November, 2009). Workshops on "Developing Research Skills: The Design, Conduct, and Analysis of a Research Experiment". Heuser Hearing Institute, Louisville, Kentucky.

Molfese, D.L. Quarterly Workshops on ERP Methods. University of Nebraska-Lincoln, 2010 through 2014.

PUBLICATIONS

A. JOURNAL ARTICLES & BOOK CHAPTERS

- Martin, J. E., & Molfese, D. L. (1971). Some developmental aspects of preferred adjective ordering. *Psychonomic Science*, 22, 219-220.
- Martin, J. E., & Molfese, D. L. (1972). Preferred adjective orderings in very young children. *Journal of Verbal Learning and Verbal Behavior*, 11, 287-292.
- Palermo, D. S., & Molfese, D. L. (1972). Language acquisition from age five onward. *Psychological Bulletin*, 78, 409-420.
- Molfese, D. L., Freeman, R. B. Jr., & Palermo, D. S. (1975). The ontogeny of lateralization for speech and non-speech stimuli. *Brain and Language*, 2, 356-368.
- Molfese, D. L., Nunez, G., Seibert, S., & Ramanaiah, N. (1976). Changes in factors affecting differential hemispheric activity in infants. *Annals of the New York Academy of Sciences*, 280, 821-833.
- Molfese, D. L. (1977). Infant Cerebral Asymmetry. In S. Segalowitz & F. Gruber (Eds.), *Language Development and Neurological Theory*. New York: Academic Press.
- Molfese, D. L. (1977). The ontogeny of cerebral asymmetry in man: Auditory evoked potentials to linguistic and nonlinguistic stimuli in infants and children. In J. Desmedt (Ed.), *Language and Hemispheric Specialization in Man: Cerebral EPRs*. Progress in Clinical Neurophysiology, Vol. 3. Basel: Karger, 188-204.
- Molfese, D. L. (1978). Electrophysiological correlates of categorical speech perception in adults. *Brain and Language*, 5, 25-35.
- Papanicolaou, A. C., & Molfese, D. L. (1978). Neuroelectrical correlates of hemisphere and handedness factors in cognitive tasks. *Brain and Language*, , 236-248.
- Molfese, D. L., & Hess, T. M. (1978). Speech perception in nursery school age children: Sex and hemispheric differences. *Journal of Experimental Child Psychology*, 26, 71-84.
- Molfese, D. L. (1978). Left and right hemispheric involvement in speech perception: Electrophysiological correlates. *Perception and Psychophysics*, 23, 237-243.
- Molfese, D. L., & Schmidt, A. L. (1978). Human laterality: Is it unidimensional? *The Behavioral and Brain Sciences*, , 307-308.
- Molfese, D. L. (1979). Cortical and subcortical involvement in the processing of coarticulated cues. *Brain and Language*, , 86-100.

- Molfese, D. L., & Molfese, V. J. (1979). Hemisphere and stimulus differences as reflected in the cortical responses of newborn infants to speech stimuli. *Developmental Psychology*, 15, 505- 511.
- Molfese, D. L. (1979). Acoustic correlates of speech perception and evoked potentials. In D. Otto (Ed.), *Event related slow potentials of the brain*. U.S. Government Publications Office.
- Molfese, D. L., & Molfese, V. (1979). VOT distinctions in infants: Learned or innate. In H. A. Whitaker and H. Whitaker (Eds.), *Studies Neurolinguistics*, Vol. 4, pp. 225-240. New York: Academic Press.
- Molfese, D. L., Papanicolaou, A., Hess, T. S., & Molfese, V. (1979). Neuroelectrical correlates of semantic processes. In H. Begleiter (Ed.), *Evoked Brain Potentials and Behavior*. New York: Plenum Press.
- Pace, S., Molfese, D. L., Schmidt, A., Mikula, W., & Ciano, C. (1979). Relationships between behavioral and electrocortical responses of aphasic and non-aphasic brain-damaged adults to semantic materials. In H. Begleiter (Ed.), *Evoked Brain Potentials and Behavior*. New York: Plenum Press.
- Molfese, D. L. (1980). The phoneme and the engram: Electrophysiological evidence for the acoustic invariant in stop consonants. *Brain and Language*, 11, 372-376.
- Molfese, D. L. (1980). Note. *Brain and Language*, 11, 233-234.
- Molfese, D. L. (1980). Hemispheric specialization for temporal information: Implications for the processing of voicing cues during speech perception. *Brain and Language*, 11, 285-299.
- Molfese, D. L., & Molfese, V. J. (1980). Cortical responses of preterm infants to phonetic and nonphonetic speech stimuli. *Developmental Psychology*, 16, 574-581.
- Molfese, D. L. (1980). (Special Guest Editor), Neuroelectrical correlates of language processes: Evidence from scalp recorded evoked potential research. *Brain and Language*, 11, 233-402.
- Molfese, D. L., & Erwin, R. J. (1981). Intrahemispheric differentiation of vowels: Principal component analysis of auditory evoked responses to computer synthesized vowel sounds. *Brain and Language*, 13, 333-344.
- Molfese, D. L., & Radtke, R. C. (1982). Statistical and methodological flaws in auditory evoked potentials and sex related differences in brain development. *Brain and Language*, 16, 338-341.

Molfese, D. L., Molfese, V., & Carrell, P. (1982). Infant language development. In B. B. Wolman & G. Stricker (Eds.), *Handbook of Developmental Psychology*. New York: Prentice Hall.

Molfese, D. L., & Schmidt, A. L. (1983). An auditory evoked potential study of consonant perception. *Brain and Language*, 18, 57-70.

Molfese, D. L., Molfese, V. J., Buhrke, R. A., Shute, G., & Wang, S. (1983). Electrophysiological correlates of adult decisions made during a conservation of quantity task. *Brain and Cognition*, , 77-88.

Molfese, D. L. (1982). Neural mechanisms underlying the processing of speech information in infants and adults: Suggestions of differences in development and structure from electrophysiological research. In U. Kirk (Ed.), *Neuropsychology of language, reading and spelling*. New York: Academic Press.

Molfese, D. L., Erwin, R. J., & Deen, M. E. (1983). AER correlates of temporal cues related to language perception in preschool age children. In R. Sinz (Ed.), *Proceedings of Psychophysiology, XXII International Congress of Psychology*. Berlin: Gustav Fischer Publishers.

Molfese, D. L., & Molfese, V. J. (1983). Development of Symmetrical and asymmetrical hemispheric responses to speech sounds: Electrophysiological correlates. In E. Z. Lasky and J. Katz (Eds.), *Central Auditory Processing Disorders: Problems of speech, language, and learning*. University Park Press.

Molfese, D. L., & Molfese, V. J. (1983). Hemispheric lateralization in infancy. In G. Young (Ed.), *Manual specialization and the developing brain: Longitudinal research*. New York: Academic Press.

Molfese, V. J., Molfese, D. L., & Parsons, C. (1983). Hemispheric involvement in phonological perception. In S. Segalowitz (Ed.), *Language Functions and Brain Organization*. New York: Academic Press.

Molfese, D. L. (1983). Event related potentials and language processes. In A. W. K. Gaillard & W. Ritter (Eds.), *Tutorials in ERP Research - Endogenous Components*, pp. 345-368. Holland: Elsevier.

Molfese, D. L. (1984). Left hemisphere sensitivity to consonant sounds not displayed by the right hemisphere: Electrophysiological correlates. *Brain and Language*, 22, 109-127.

Molfese, D. L., Linnville, S. E., Wetzel, W. F., & Leicht, D. (1985). Electrophysiological correlates of handedness and speech perception contrasts. *Neuropsychologia*, 23, 77-86.

Molfese, D. L. (1985). Electrophysiological correlates of semantic features. *Journal of Psycholinguistic Research*, 14, 289-299.

Molfese, D. L., Buhrke, R. A., & Wang, S. L. (1985). The right hemisphere and temporal processing of consonant transition durations: Electrophysiological correlates. *Brain and Language*, 26, 49-62.

Molfese, D. L., & Molfese, V. J. (1985). Electrophysiological indices of auditory discrimination in newborn infants: The bases for predicting later language development. *Infant Behavior and Development*, 8, 197-211.

Molfese, V. J., & Molfese, D. L. (1985). Individual differences in language development as predicted by the analysis of brain responses recorded at birth. In R. Dillon (Ed.), *Individual Differences in Cognition*, Vol. 2. New York: Academic Press.

Molfese, D. L. (1985). What's in a word. *Psychology Today*, 19, 10-12.

Molfese, D., & Searock, K. (1986). The use of auditory evoked responses at one year of age to predict language skills at 3 years. *Australian Journal of Communication Disorders*, 14, 35-46.

Molfese, D. L., Laughlin, N. K., Morse, P. A., Linnville, S., Wetzels, F., & Erwin, R. (1986). Neuroelectrical correlates of categorical perception for place of articulation in normal and lead-treated rhesus macaques. *Journal of Clinical and Experimental Neuropsychology*, 8, 680-696.

Molfese, D. L., & Molfese, V. J. (1986). Psychophysiological indices of early cognitive processes and their relationship to language. In J. E. Obrzut & G. W. Hyrd (Eds.), *Child Neuropsychology: Theory and Research*, Vol. 1, Pp. 95-115. New York: Academic Press.

Molfese, D. L., & Linnville, S. E. (1986). Lateralization and Motor Development. In H. Whiting and M. Wade (Eds.), *Motor skills acquisition: Aspects of coordination and control*. Dordrecht, The Netherlands: Martinus Nijhoff.

Morse, P. A., Molfese, D. L., Laughlin, N. K., Linnville, S., & Wetzels, F. (1987). Categorical perception for voicing contrast in normal and lead-treated macaques: Electrophysiological indices. *Brain and Language*, 30, 63-80.

Molfese, D. and Molfese, V. (1987). Predicting later language development based on responses recorded at birth. In A. Glass (Ed.). *Individual Differences in Hemispheric Specialization*. New York: Plenum Press.

Adams, C., Molfese, D. L., & Betz, J. C. (1987). Electrophysiological correlates of categorical speech perception for voicing contrasts in dogs. *Developmental Neuropsychology*, 3, 175-189.

Molfese, D. L. (1987). Auditory evoked responses to temporal cues in speech and non-speech stimuli: Correlates of categorical perception. In S. Harnad (Ed.), *Categorical Perception*. London: Cambridge University Press, 421-443.

Molfese, D. L. (1988). *Evoked Potential Analysis and Collection System*. U.S.A. Copyright.

Molfese, D. L., & Molfese, V. J. (1988). Right hemisphere responses from preschool children to temporal cues contained in speech and nonspeech materials: Electrophysiological correlates. *Brain and Language*, 33, 245-259.

Molfese, D. L., & Molfese, V. J. (1988). Language Development and Biological Programming. In M. Lansberg (Ed.), *The Genesis of Language: A different judgment of evidence*. Amsterdam: Mouton Press.

Molfese, D. L., & Adams, C. (1988). Auditory evoked responses as an index of laterality: Findings from studies of speech perception. In K. Hugdahl (Ed.), *Handbook of Dichotic Listening: Theory, Methods, and Research*. New York: John Wiley, pp. 375-395.

Molfese, D. L., & Betz, J. C. (1988). Electrophysiological indices of the early development of lateralization for language and cognition and their implications for predicting later development. In D. L. Molfese and S. J. Segalowitz (Eds.), *The Developmental Implications of Brain Lateralization for Language and Cognitive Development*. New York: Guilford Press, pp. 171- 190.

Molfese, D. L. (1989). Electrophysiological correlates of word meanings in 14-month-old human infants. *Developmental Neuropsychology*, 5, 79-103.

Molfese, D. L. (1989). The use of auditory evoked responses recorded from newborns to predict later language skills. In N. Paul (Ed.), *Research in Infant Assessment*. White Plains: March of Dimes, 68-81.

Molfese, D. L. (1990). Auditory evoked responses recorded from 16-month-old human infants to words they did and did not know. *Brain and Language*, 38, 345-363.

Molfese, D. L., Morris, R. D., & Ronski, M. A. (1990). Semantic discrimination in nonspeaking youngsters with moderate or severe retardation: Electrophysiological correlates. *Brain and Language*, 38, 61-74.

Molfese, D. L., Morse, P. A., & Peters, C. J. (1990). Auditory evoked responses from infants to names for different objects: Cross modal processing as a basis for early language acquisition. *Developmental Psychology*, 26, 780-795.

- Molfese, D. L., & Peters, C. (1990). Laterality, manual dominance and asymmetry as factors in children's visuo-motor control. In C. Bard, M. Fleury, & L. Hay (Eds.), *Development of Eye- Hand Coordination Across the Life Span*. Amsterdam: Elsevier.
- Molfese, D. L., Burger-Judisch, L. M., & Hans, L. L. (1991). Consonant discrimination by newborn infants: Electrophysiological differences. *Developmental Neuropsychology*, 7, 177- 195.
- Molfese, D. L. (1991). Developmental changes in non-human primate patterns of brain lateralization for speech perception. In N. Krasnegor (Ed.), *Biobehavioral Foundations of Language Development* (pp. 189-208). Mahwah, NJ: Lawrence Erlbaum.
- Molfese, D. L., & Burger-Judisch, L. (1991). Evidence for dynamic processes in the development for lateralization. In F. Kitterle (Ed.), *Cerebral Lateralization* New York: Wiley, pp. 71-102.
- Wetzel, W. F., & Molfese, D. L. (1992). The processing of presuppositional information contained in sentences: Electrophysiological correlates. *Brain and Language*, 42, 286-307.
- Molfese, D. L. (Guest Ed.). (1992). Special issues: Neuroelectrical correlates of infant cognition. *Developmental Neuropsychology* 8(2-3), 115-323.
- Molfese, D. L., & Wetzel, W. F. (1992). Short and long term memory in 14 month old infants: Electrophysiological correlates. *Developmental Neuropsychology*, 8(2-3), 135-160.
- Molfese, D. L. (1992). Electrophysiological correlates of developmental neurocognition: An overview. *Developmental Neuropsychology*, 8, 115-118.
- Molfese, D. L. (1992). The use of neuropsychological measures to predict long term outcomes in newborn human infants. In M. G. Tramontana & S. R. Hooper (Eds.), *Advances in Child Neuropsychology*, Vol. 1 (pp. 1-23). New York: Springer-Verlag.
- Molfese, D. L., Wetzel, W. F., & Gill, L. A. (1993). Known versus unknown word discrimination in 12-month-old human infants: Electrophysiological correlates. *Developmental Neuropsychology*, 3-4, 241-258.
- Molfese, D. L., & Molfese, V. J. (1993). Predicting long-term development from electrophysiological measures taken at birth. In G. Dawson & K. Fischer (Eds.), *Human Behavior and Brain Development*. New York: Guilford Press, pp. 493-517.
- Samar, V. J., & Molfese, D. L. (1995). Contemporary trends in neurometric waveform analysis. *Brain and Cognition*, 27, 253-255.

Gupta, L., Molfese, D. L., & Tammana, R. (1995). An artificial neural net approach to ERP classification. *Brain and Cognition*, 27, 311-330.

Molfese, D. L., Gill, L.A., Simos, Panagiotis G., & Tan, A. (1995). Implications of biological mechanisms for assessing and modifying development. In L. DiLalla & S. Clancy (Eds.), *The Assessment of Biological Mechanisms across the Life Span*. Mahway, NJ: Lawrence Erlbaum & Associates, 173 - 190.

Molfese, D. L. (1995). Electrophysiological responses obtained during infancy and their relation to later language development: Further findings. In M. G. Tramontana & S. R. Hooper (Eds.), *Advances in Child Neuropsychology*, Vol. 3. New York: Springer-Verlag, pp. 1-11.

Molfese, D. L., Simos, P. G., & Sarkari, S. (1995). Electrophysiological correlates of orthographic and phonological processing using the probe paradigm. In V. W. Berninger (Ed.), *The varieties of orthographic knowledge: II. Relationships in phonology, reading, and writing*. Kluwer Publishing, pp. 113-150.

Gupta, L., Molfese, D.L. Tammana, R. & Simos, P. G. (1996). Non-linear alignment and averaging for estimating the evoked potential. *IEEE Transactions on Biomedical Engineering*, vol. 43, No. 4, 348-356.

Molfese, D. L., Burger-Judisch, L., Gill, L. A., Golinkoff, R. M., & Hirsh-Pasek, K. (1996). Electrophysiological correlates of noun-verb processing in adults. *Brain and Language*, 54, 388- 413.

Molfese, D. L., Murray, K., Martin, T., Peters, C., Tan, A., Gill, L. A., & Simos, P. G. (1996). Coordinating a research team: Developing and maintaining a good working laboratory. In F. Leong (Ed.), *The Psychology Research Handbook: A primer for graduate students and research assistants*. Newbury Park, CA: Sage Publishers, 311-324.

Molfese, D. L., Molfese, V. J., Gill, L. A., & Benschhoff, S. J. (1996). Correlates of language development: Electrophysiological and behavioral measures. In H. W. Reese & M. D. Franzen (Eds.), *Life-span developmental psychology: Biological and neuropsychological mechanisms*. Mahwah, NJ: Lawrence Erlbaum & Associates.

Simos, P. G., Molfese, D. L., & Brenden, R. A. (1997). Behavioral and electrophysiological indices of voicing cue discrimination: Laterality patterns and development. *Brain and Language*, 57, 122-150.

Molfese, D. L., & Molfese, V. (1997). Discrimination of language skills at five years of age using event related potentials recorded at birth. *Developmental Neuropsychology*, 13, 135-156.

- Molfese, D. L., & Fox, D. R. (1997). Neurophysiology and neurogenic early brain and language development. *Speech and language disorders: Early brain and language development. American Speech and Hearing Association Newsletter*, 7, 11-17.
- Simos, P. G., & Molfese, D. L. (1997). Electrophysiological responses from a temporal order continuum in the newborn infant. *Neuropsychologia*, 35, 89-98.
- Simos, P. G., & Molfese, D. L. (1997). Event related potentials in a two choice task involving within form comparisons of pictures and words. *International Journal of Neuroscience*, 90, 233-254.
- Molfese, D. L., Tan, A., Sarkari, S., & Gill, L. A. (1997). Prediction and intervention of school age language problems using electrophysiological measures obtained at birth. In S. M. Clancy Dollinger & L. DiLalla (Eds.), *Assessment and intervention across the lifespan*. Mahwah, NJ: Lawrence Erlbaum Associates.
- Molfese, D. L., & Molfese, D. L. (1997). The use of brain recordings to assess learning. *Proceedings of the International Conference on Engineering Education: Progress through partnerships*, Vol. 2. Carbondale, IL: Southern Illinois University Press.
- Molfese, D. L., & Narter, D. B. (1998). Cognitive development during infancy: Electrophysiological correlates. In S. Christman (Ed.), *Cerebral asymmetries in sensory and perceptual processing*. Amsterdam: North Holland.
- Molfese, D. L. (1998). Electrophysiological correlates of early speech perception and language development during infancy and early childhood. In N. Raz (Ed.), *Insights into neural foundations of cognition from life span development perspective*. Amsterdam: North Holland.
- Tan, A. M., Sarkari, S., & Molfese, D. L. (1998). The development of language in some neurological diseases. In H. A. Whitaker & B. Stemmer (Eds.), *The Handbook of Neurolinguistics*. New York: Academic Press.
- Molfese, D. L., Molfese, V. J., & Espy, K. A. (1999). The Predictive Use of Event-Related Potentials in Language Development and the Treatment of Language Disorders. *Developmental Neuropsychology*, 16, 373-377.
- Molfese, D. L. and Ellefson, M. E. (1999). The use of event-related potentials to study cognitive disorders in patients with demyelinating diseases. *Journal of Molecular Neuroscience*, 13, 3. 263 - 264.
- Molfese, D. L., & Molfese, V. J. (2000). The Continuum Of Language Development During Infancy and Early Childhood: Electrophysiological Correlates. In C. Rovee-Collier, L. P. Lipsitt, and H. Hayne (Eds.), *Progress in Infancy Research*, Vol. 1. Mahwah, NJ: Lawrence Erlbaum Associates, 251-287.

Molfese, Dennis L., Molfese, David L., & Molfese, Victoria J. (2000). Advancing brain-language models in the next millennium. *Brain and Language*, 71, 164-166.

Molfese, D. L. (2000). Predicting Dyslexia at 8 Years of Age Using Neonatal Brain Responses. *Brain and Language*, 72, 238-245.

Molfese, D.L. and Molfese, V. (2001). Cortical electrophysiology and language processes in infancy. In L. Singer and P. Zeskind (Eds). *Biobehavioral Assessment of the Infant*. New York: Guilford Press (323 – 340).

Molfese, D.L., Molfese, V.J., & Kelly, S. (2001). The use of brain electrophysiology techniques to study language: A basic guide for the beginning consumer of electrophysiology information. *Learning Disabilities Quarterly*, 24, 177-188.

Molfese, D. L., Narter, D. B., Van Matre, A. J., Ellefson, M., & Modglin, A. (2001). Language development during infancy and early childhood: Electrophysiological correlates. In Juergen Weissenborn and Barbara Hoehle (Eds.), *Approaches to Bootstrapping in Early Language Development*. John Benjamins: Amsterdam-Philadelphia.

Molfese, V.J., Molfese, D.L., and Modglin, A (2001). Newborn and Preschool Predictors of Second Grade Reading Scores: An Evaluation of Categorical and Continuous Scores. *Journal of Learning Disabilities*, 34, 545-554.

Molfese, D. L., Narter, D. B., & Tan-Modglin, A. M. (2002). The relationship between language development and brain electrical activity. In D. L. Molfese & V.J. Molfese (Eds.), *Developmental Variations in Language and Learning: Applications to Social, Executive Function, Language, and Reading Skills..* New York: Academic Press.

Molfese, D., Molfese, V., and Robinson, J. (2002). Symbolic Thought. In N. Salkind (Ed). *Child Development*. Farmington Hills, MI: Macmillan Psychology Reference Series, pp 399-400.

Gupta, L., Phegley, J., & Molfese, D.L. (2002). Robust classification of evoked potentials through signal transformations and combinations. In *Recent Research Developments in Biomedical Engineering*. Transworld Research Network, Kerala, India.

Gupta, L., Phegley, J. & Molfese, D.L. (2002). Parametric Classification of Multichannel Averaged Event-Related Potentials. *IEEE Transactions on Biomedical Engineering*, 49, 905-911. Correction, *IEEE Transactions on Biomedical Engineering*, 49, 1070.

Molfese, D. L., Molfese, V., Modglin, A., Kelly, S., and Terrell, S. (2002). Reading and Cognitive Abilities: Longitudinal Studies of Brain and Behavior Changes in Young Children. *Annals of Dyslexia*, 52, 99-119.

Molfese, V. and Molfese, D. (2002). Environmental and Social Influences on Reading Skills as Indexed By Brain and Behavioral Responses. *Annals of Dyslexia*, 52, 121-137.

Molfese, V., Modglin, A., and Molfese, D., (2003). The role of environment in the development of reading skills: A longitudinal study of preschool and school-age measures. *Journal of Learning Disabilities*. 36, 59-67.

Molfese, D.L., Molfese, V.J., Fonaryova Key, A., & Kelly, S. (2003). Influence of Environment on Speech Sound Discrimination: Findings From A Longitudinal Study. *Developmental Neuropsychology*, 24, 541-558.

Andrews-Espy, K., Molfese, D., Molfese, V., Simos, P. & Modglin, A. (2004). Development of Auditory Event-Related Potentials in Young Children and Relations to Word-Level Reading Abilities at Age 8 Years. *Annals of Dyslexia*, 54, 9-38.

Molfese, V., Molfese, D., Modglin, A., Walker, J., & Neamon, J. (2004). Screening Early Reading Skills in Preschool Children: Get Ready To Read. *Journal of Psychoeducational Assessment*. 22, 136-150.

Fonaryova Key, A., Fergusson, M., & Molfese, D.L. (2005). Electrophysiological indices of processing factors in children with ADHD. In D. Gozal & D. Molfese (Eds.), *Attention Deficit Hyperactivity Disorder: From Genes to Animal Models to Patients*. Totowa, N.J.: Humana Press.

Molfese, D. L., Fonaryova-Key, A., Maguire, M., Dove, G., & Molfese, V. J. (2005). The use of event-related evoked potentials (ERPs) to study the brain's role in speech perception from infancy into adulthood. In D. Pisoni (Ed.), *Handbook of Speech Perception*. London, England: Blackwell Publishers, pp. 99-121.

Gupta, L., Kook, H., Molfese, D.L., Fadem, K.C. Multi-stimuli multichannel data and decision fusion strategies for dyslexia prediction using neonatal ERPs, *Pattern Recognition*. 28 (11) (2005) 2174–2184.

Gupta, L. Chung, B., Srinath, M.D., Molfese, D.L. & Kook, H. (2005). Multichannel fusion models for the parametric classification of differential brain activity. *IEEE Transactions on Biomedical Engineering*, 52, 1869-1881.

Molfese, D. L., Fonaryova Key, A., Maguire, M., Dove, G., Peach, K., Fergusson, M., Straub, S., Mosely, M.J., Wettig, C., & Ratajczak, E. (2005). Coordinating a Research Team: Maintaining and Developing a Good Working Laboratory. In F.T. Leong & J.T. Austin (Ed.), *The Psychology Research handbook: A Primer for Graduate Students and Research Assistants*, 2nd. Edition. Newbury Park, CA: Sage Publishers. Pp. 389 – 400.

Molfese, V., Molfese, D., Molnar, A. & Beswick, J. (2005). Developmental Dyslexia and Dysgraphia. In K. Brown (Ed.), *Encyclopedia of Language and Linguistics*, Second Edition. New York: Elsevier. Pp 485-491.

Molfese, D. L., Maguire, M. J., Molfese, V. J., Pratt, N., Ratajczak, E. D., Fentress, L. F., & Molfese, P. J. (2005). Brain and Language: Phonological, Lexical, Syntactic And Semantic Disorders In Children. In K. Brown (Ed.), *Encyclopedia of Language and Linguistics*, Second Edition, Oxford, England: Elsevier Ltd. Pp 535-545.

Mayes, L., Molfese, D.L. & Key, A. (2005) Event-related potentials in cocaine-exposed children during a Stroop task. *Neurotoxicology and Teratology*, 27(6), 797-813.

Kook, H., Gupta, L., Molfese, D., Dykman, R. & Fadem, K.C. (2006). A Dynamic Multi-Channel Decision-Fusion Strategy to Classify Differential Brain Activity. *Proceedings of the 18th International Conference on Pattern Recognition*. Hong Kong, China.

Key, A., Molfese, D.L., & Ratajczak, E. (2006). ERP indicators of learning in adults. *Developmental Neuropsychology*. 29, 379-395.

Molfese, D., Key, A.F., Kelly, S., Cunningham, N., Terrell, S., Ferguson, M., Molfese, V., & Bonebright, T. (2006). Below-average, average, and above-average readers engage different and similar brain regions while reading. *Journal of Learning Disabilities*, 39, 352-363.

Molfese, D. L., Molfese, V. J., & Pratt, N. L. (2007). The Use Of Event-Related Evoked Potentials To Predict Developmental Outcomes. In M. de Haan (Ed.), *Infant EEG and Event-Related Potentials*. Psychology Press: Hove, UK.

Molfese, D., Molfese, V. & Molfese, P. (2007). Relation Between Early Measures Of Brain Responses To Language Stimuli and Childhood Performance On Behavioral Language Tasks. In D. Coch, G. Dawson, & K. Fischer (Eds). *Human Behavior and the Developing Brain, Second Edition: Atypical Development* (pp 191-211). New York: Guilford Publications, Inc.

Key, A., Ferguson, M., Molfese, D., Peach, K., Lehman, C. & Molfese V. (2007). Smoking during pregnancy affects speech discrimination ability in newborn infants. *Environmental Health Perspectives*, 115(4), 623-629.

Molfese, V., Molfese, D., Beswick, J., Jacobi-Vessels, J., Molfese, P., Molnar, A., Wagner, M., Haines, B. (2008). Event Related Potentials To Identify Language and Reading Skills. *Topics in Language Disorders*, 28, 28-45.

Kook, H., Gupta, L., Kota, S., Molfese, D.L., & Lyytinen, H. (2008), An Offline/Real-Time Artifact Rejection Strategy to Improve the Classification of Multi-Channel Evoked Potentials, *Pattern Recognition*, 41, 1985-1996.

Molfese, D., Molfese, V., Beswick, J., Jacobi-Vessels, J., & Molfese, P. (2008). Dynamic Links Between Emerging Cognitive Skills and Brain Processes. *Special Issue*

on Neurobiological and experiential dimensions of dyslexia: Multiple perspectives. *Developmental Neuropsychology*, 33(6), 682–706.

Molfese, D., Molfese, V., Barnes, M., Warren, C., & Molfese, P. (2009). Familial predictors of dyslexia: Evidence from preschool children with and without familial dyslexia risk. In V. Berninger, A. Fawcett, G. Reid & L Siegel (Eds). *Handbook of Dyslexia*. New York Sage Publications, 99-120.

Barnes, Maria E., Huss, Elizabeth A., Garrod, Krista N., Van Raay, Eric, Dayyat, Ehab, Gozal, David, & Molfese, Dennis L. (2009). Impairments in Attention in Occasionally Snoring Children: An Event-Related Potential Study. *Developmental Neuropsychology*, 34, 629 - 649.

Molfese, D.L., Molfese, V.J., Ferguson, M., Key, A.P.F., Straub, S., Peach, K. & Pratt, N. (2009). Smoking During Pregnancy. In U.S. Surgeon General's Report on How Smoking Causes Disease.

Tan, A. & Molfese, D. L. (2009). ERP Correlates of Noun and Verb Processing in Preschool-Age Children. *Biological Psychology*, 80. 46-51.

Kota, S. Gupta, L. Molfese, D., & Vaidyanathan. R. (2009). A Dynamic Channel Selection Strategy for Dense Array ERP Classification. *IEEE Transactions on Biomedical Engineering*, 56 (4). 1040-1051.

Key, A., Molfese, D.L., O'Brien, L., & Gozal, D. (2009). Sleep-disordered breathing affects auditory processing in 5-7 year-old children: Evidence from brain recordings. *Developmental Neuropsychology*, 34, 615-628.

Harvison, K.W., Molfese, D.L., Woodruff-Borden, J., & Weigel, R.A. (2009). Neonatal auditory evoked responses are related to perinatal maternal anxiety. *Brain And Cognition*, 71 (3), 369-374.

Barnes, M.E., Huss, E.A., Garrod, K.N., Van Raay, E., Dayyat, E., Gozal, d & Molfese, D.L. (2009). Impairments in Attention in Occasionally Snoring Children: An Event-Related Potential Study. *Developmental Neuropsychology*, 34, 629-649.

Gupta, L., Kota, S., Murali, S., Molfese, D.L., & Vaidyanathan, R. (2010). A Feature Ranking Strategy to Facilitate Multivariate Signal Classification. *IEEE Transactions On Systems, Man, And Cybernetics—Part C: Applications And Reviews*, 40 (1), 98-108.

Molfese, V., Molfese, P., Molfese, D., Rudasill, K., Armstrong, N., & Starkey, G. (2010). Executive function skills of 6 to 8 year olds: Brain and behavioral evidence and implications for school achievement. *Contemporary Educational Psychology: Special Issue on Brain and Academic Development*, 30, 116-153

Spruyt, K., Molfese, D.L., Gozal, D. (2011). Community Study on Sleep Duration, Sleep Regularity, Body Weight, and Metabolic Homeostasis in School-Aged Children. *Pediatrics*, 127 (2) 345-352.

Gupta, L., Kota, S., Yarlagadda, P., and Molfese, D.L. (2011). Central-tendency estimation and nearest-estimate classification of event related potentials. *Pattern Recognition Journal*, 44. no. 7, 1418-1425.

Molfese, D., Molfese, V., Garrod, K. & Molfese, D. (2011). Evidence of dynamic changes in brain processing from imaging techniques: Implications for interventions for developmental disabilities. In Molfese, D., Breznitz, Z., Berninger, V., and Rubinsten, O. (Eds.). *Too Many Voices: Reading, Writing, Mathematics and The Brain*. Dordrecht: Springer.

Dayyat, E., Spruyt, K., Molfese, D.L., & Gozal, D. (2011). Sleep estimates in children: parental versus actigraphic assessments. *Nature and Science of Sleep*, 3 115–123.

Yoder, P.J., Molfese, D.L., & Gardner, E. (2011). Initial Mean Length of Utterance Predicts the Relative Efficacy of Two Grammatical Treatments in Preschoolers With Specific Language Impairment. *Journal of Speech, Language, and Hearing Research*, 54, 1170–1181.

Molfese, D.L. (2011). One approach to establishing a research center in today's University environment. In M. Rice (Ed), *Behavioral and social sciences as key components in national research initiatives*. Merrill Advanced Studies Center. University of Kansas. Pp. 63 – 70.

Molfese, V., Beswick, J., White, J., Ferguson, M., Rudasill, K. & Molfese, D. (2011). Evidence of alphabetic knowledge in writing: Connections to letter and word identification skills in preschool and kindergarten. *Reading and Writing: Special Issue on Writing Development: New Interdisciplinary Findings and Models*, 24, 133-150.

Frishkoff, G., Sydes, J., Mueller, K., Frank, R., Curran, T., Connolly, J., Kilborn, K., Molfese, D., Charles Perfetti, C., Malony, A. (2011). Minimal Information for Neural Electromagnetic Ontologies (MINEMO): A standards-compliant method for analysis and integration of event-related potentials (ERP) data. *Standards in Genomic Sciences*, 5(2):211-23. DOI:10.4056/sigs.2025347

Molfese, D., Molfese, V., Garrod, K. & Molfese, D. (2012). Evidence of dynamic changes in brain processing from imaging techniques: Implications for interventions for developmental disabilities. In Breznitz, Z., Rubinsten, O., Molfese, V., and Molfese, D. (Eds.). *Listening To Many Voices: Reading, Writing, Mathematics and The Brain*. Dordrecht: Springer.

Witcher, L.A., Gozal, D, Molfese, D.L., Salathe, S.M., Spruyt, K., & McLaughlin Crabtree, V. (2012). Sleep Hygiene and Problem Behaviors in Snoring and Non-Snoring School-Age Children. *Sleep Medicine*, 13, 802-809.

Hudac, C.M., Kota, S., Nedrow, J.L., & Molfese, D.L. (2012) Neural mechanisms underlying neuro-optometric rehabilitation following traumatic brain injury. *Eye and Brain*, 4, 1-12.

Kota, S., Gupta, L., Molfese, D. L. & R. Vaidynathan. (2012). Diversity-Based Selection of Polychotomous Components for Multi-Sensor Fusion Classifiers. *Handbook of Pattern Recognition: Methods and Applications*, iConcept Press Ltd. (Invited).

Barnes, M., Gozal, D. & Molfese, D.L. (2012). Attention in children with obstructive sleep apnea: An event-related potentials study. *Sleep Medicine*, 13, (4), 368–377.

Yoder, P.J., Molfese, D.L, Micah, M. & Key, F.A. (2013). Normative Topographic ERP Analyses of Speed of Speech Processing and Grammar Before and After Grammatical Treatment. *Developmental Neuropsychology*, 38 (8), 1-23.

Gupta L, Kota S, Molfese DL, Vaidyanathan R (2013). Pairwise Diversity Ranking of Polychotomous Features for Ensemble Physiological Signal Classifiers, *Proceedings of the Institution of Mechanical Engineers, Part H, Journal of Engineering in Medicine*, 227(6), 655-662.

Molfese, D.L., Ivanenko, A., Fonaryova Key, A., Roman, A., Victoria J. Molfese, V.J., O'Brien, L.M., Gozal, D., Kota, S., & Hudac, C.M. (2013). A One-Hour Sleep Restriction Impacts Brain Processing in Young Children Across Tasks: Evidence From Brain Recordings. *Developmental Neuropsychology*, 38, 317-336.

Molfese, V.J., Rudasill, K., & Molfese, D. (2013). Sleep in Preschoolers: School Readiness, Academics and Behavior. In A. Wolfson, and H. Montgomery-Downs (Eds) *Oxford Handbook of Infant, Child, and Adolescent Sleep: Development and Problems* (pp 397-413). New York: Oxford University Press.

Gupta, L., Kota, S., Molfese, D. L., & Vaidyanathan, R. (2013) Pairwise Diversity Ranking of Polychotomous Features for Ensemble Physiological Signal Classifiers. *Journal of Engineering in Medicine*, 227, 954-4119.

Dien, J., Brian, E.S., Molfese, D.L., Gold, B.T. (2013). Combined ERP/fMRI Evidence For Early Word Recognition Effects In The Posterior Inferior Temporal Gyrus. *Cortex* 49, 2307-2321.

Kota, S., Kelsey, K. K., Rigoni, J. B., & Molfese, D. L. (2013). Feasibility of using event-related-potentials as a sideline measure of neurocognitive dysfunction sporting events. *Neuroreport*, 24(8), 437-439.

Yoder, P.J., Molfese, D.L, Micah, M. & Key, F.A. (2013). Normative Topographic ERP Analyses of Speed of Speech Processing and Grammar Before and After Grammatical Treatment. *Developmental Neuropsychology*, 38, 514-533.

Nelson, T.D., Lundahl, A., Molfese, D.L., Waford, R., Roman, A., Gozal, D., Molfese, V.J., Rue, A., & Ferguson, M. (2014). Estimating child sleep from parent report of time in bed: Development and evaluation of adjustment approaches. *Journal of Pediatric Psychology*, 39(6), 624–632. doi: 10.1093/jpepsy/jsu020

Molfese, D.L. (2015). The Need for Theory to Guide Concussion Research. *Developmental Neuropsychology*, 40:1, 1-6, DOI: 10.1080/87565641.2015.100647

Molfese, D.L. (2015). Advances in concussion research: An applied research area with significant implications for the future conduct of brain science. *Developmental Neuropsychology*, 40:2, 57-58.

Bailes, J., Bravo, S., Breiter, H., Kaufman, D., Lu, Z., Molfese, D., Perrish, T., Slobounov, S., Talavage, T., & Zhu, D. (2015). A call to arms: The need to create an inter-institutional concussion neuroimaging consortium to discover clinically relevant diagnostic biomarkers and develop evidence-based interventions to facilitate recovery. *Developmental Neuropsychology*, 40:2, 59-62.

Molfese, V., Rudasill, K., Prokasky, A., Champagne, C., Holmes, M., Molfese, D., Bates, J. (2015). The relations between toddler sleep characteristics, sleep problems, and temperament. *Developmental Neuropsychology The relations between toddler sleep characteristics, sleep problems, and temperament*. 40(3), 138–154.

Schermerhorn, A. C., Bates, J. E., Puce, A., & Molfese, D. L. (2015). Neurophysiological correlates of children’s processing of interparental conflict cues *Journal of Family Psychology*, 29, 518-527.

Molfese, V.J., Molfese, D.L., & Prokasky, A.A. (2016). Identifying early literacy practices that impact brain processing and behaviors. *Perspectives on Language and Literacy: Early Identification and Treatment of Dyslexia: a Brain-based Perspective*, 42(1), 18-22.

Ledwidge, P. & Molfese, D.L. (2016). Long-term effects of concussion on electrophysiological indices of attention in varsity college athletes: An ERP and sLORETA approach. *Journal of Neurotrauma*. 2016 Dec 1;33(23):2081-2090.

Molfese, D.L, Molfese, V.J. & Molfese, P.J. (2016). Learning Disabilities. In Marc H. Bornstein (Ed.), *The Sage Encyclopedia Of Lifespan Human Development*. Sage Press.

Schermerhorn, A. C., Bates, J. E., Puce, A., & Molfese, D. L. (2017). Social-emotionally significant experiences and children’s processing of irrelevant auditory stimuli. *International Journal of Psychophysiology*, 112, 52-63.

Molfese D.L. (2017). The invisible injury of concussions. *AASA School Administrator*, 74(8), 34-38.

Ledwidge, P.S., Patterson, J.N., Molfese, D.L., & Honaker, J.A. (In Press). Clinical utility of oculomotor and electrophysiological measures in identifying concussion history. *Clinical Journal of Sport Medicine*.

Ledwidge, P. S., Masterson, C. R., Meinders, A., & Molfese, D. L. (In Press). Becoming Part of a Large and Successful Research Team. In F. Leong (Ed.), *The Psychology Research Handbook: A primer for graduate students and research assistants*. Newbury Park, CA: Sage Publishers.

Cortesa, C. S., Hudac, C.M., Ledwidge, P.S. & Molfese, D.L. (In Press, 2017). History of concussion impacts electrophysiological correlates of working memory. *International Journal of Psychophysiology*.

Hoyniak, C., Petersen, I.T., Bates, J., & Molfese, D.L. (2018). The neural correlates of temperamental inhibitory control in toddlers. In *Philosophical Transactions of the Royal Society: Diverse perspectives on diversity: multi-disciplinary approaches to taxonomies of individual differences*. (Editors: I. Trofimova, T. Robbins, W. Sulis & J. Uher.

Hoyniak, C., Petersen, I.T., Bates, J., Staples, A., Rudasill, K.M., & Molfese, D.L. & Molfese, V.J. (2018). Child Sleep and Socioeconomic Context in the Development of Cognitive Abilities in Early Childhood. *Child Development*, 1-20.

MANUSCRIPTS CURRENTLY UNDER REVIEW:

Hoyniak, C., Petersen, I.T., Bates, J., & Molfese, D.L. (2017). The Neural Correlates of Temperamental Inhibitory Control in Toddlers. manuscript ID is RSTB-2017-0160. *Philosophical Transactions B. International Journal of Psychophysiology*.

Cortesa, C.S., Hudac C.M. & Molfese, D.L. (2017) Dynamic Effects of Habituation and Novelty Detection on Newborn Event-Related Potentials.

Petersen, I.T., Hoyniak, C., Bates, J. & Molfese, D.L. (2017). A Longitudinal, Within-Person Investigation of the Association between the P3 ERP Component and Externalizing Behavior Problems in Young Children. Submitted to: *Journal of Child Psychology and Psychiatry*.

Chernyavskiy, P., Hudac, C.M., Marx, D.B., & Molfese, D.L. (2017). A quantitative approach to the diagnosis of head injuries through a spatio-temporal model of the electrophysiological assessment of working memory. *Annals of Statistics*.

Hoyniak, C., Petersen, I.T., Bates, J., Staples, A., & Molfese, D.L. A Longitudinal, Within-Person Investigation of the Association between the P3 ERP Component and Externalizing Behavior Problems in Young Children'. (JCPP-SIOA-2017-00641). *Journal of Child Psychology and Psychiatry*.

BOOKS:

Molfese, D. L., & Segalowitz, S. (Eds.) (1988). *Brain Lateralization in Children: Developmental Implications*. New York: Guilford Press.

Molfese, V. J. & Molfese, D.L. (Eds.). (2001). *Temperament and Personality Development Across the Life Span*. Mahwah, NJ: Lawrence Erlbaum Associates.

Molfese, D.L. & Molfese, V.J. (Eds), (2002). *Developmental Variations in Language and Learning: Applications to Social, Executive Function, Language, and Reading Skills*. Mahwah, NJ: Lawrence Erlbaum Associates.

D. Gozal & D. L. Molfese (Eds.), (2005). *Attention Deficit Hyperactivity Disorder: From Genes to Animal Models to Patients*. Totowa, N.J.: Humana Press.

Breznitz, Z., Rubinsten, O., Molfese, V., & Molfese, D. (Eds.) 2012. *To Many Voices: Reading, Writing, Mathematics and The Brain*. Dordrecht: Springer. In *Literacy Studies: Perspectives from Cognitive Neurosciences, Linguistics, Psychology, and Education Series*. Springer. Series Editor: R. Malatesha Joshi, Texas A & M University.

Sports-related concussions in youth: Improving the science, changing the culture. Institute of Medicine (IOM) and National Research Council (NRC). 2013. Washington, DC: The National Academies Press.

Molfese, D.L. & Molfese, V.J. (Eds), (Under Contract: Target Date: Fall, 2020). *Handbook of Developmental Neuropsychology, Volumes 1 - 4*. London, England: Psychology Press.

C. BOOK REVIEWS:

Brown, R. (1971). Psycholinguistics. *Child Development Abstracts*, 45, 169-170.

Bowerman, M. (1974). Early Syntactic Development. *Child Development Abstracts*, 48, 80.

Broen, P. (1974). The Verbal Environment of the Language-Learning Child. *Child Development Abstracts*, 48, 82.

Derwing, B. (1974). Transformational Grammar as a Theory of Language Acquisition. *Child Development Abstracts*, 48, 223-224.

Major, D. (1976). The acquisition of modal auxiliaries in the language of children. *Child Development Abstracts*, 50, 210-211.

Lenneberg, E. H., & Lenneberg, E. (1977). Foundations of Language Development. *Child Development Abstracts*, 51, 255-256.

Kuczaj, S. A. (1984). Crib Speech and Language Play. *Child Development Abstracts*, 58, 3.

Chiavello, C. (Ed.). (1989). Right hemisphere contributions to lexical semantics. *Child Development Abstracts*, 63(3), 394-395.

D. INVITED CONFERENCE PRESENTATIONS

Palermo, D. S., & Molfese, D. L. (1971, January). Language acquisition from age five onward. Third Annual Michigan Conference on Applied Linguistics, Ann Arbor.

Molfese, D. L. (1974, April). Evoked potential indices of lateralization and development for speech stimuli. International Symposium on Cerebral Evoked Potentials in Man. Brussels, Belgium.

Molfese, D. L. (1975, May). Infant Cerebral Asymmetry Revisited. Conference on Language Development and Neurological Theory, Canada.

Molfese, D. L. (1975, May). Symposium on the development of lateralization. Conference on Language Development and Neurological Theory, Canada.

Molfese, D. L. (1975, September). Cerebral asymmetry: Changes in factors affecting its development. New York Academy of Sciences Conference on Origins and Evolution of Language and Speech.

Molfese, D. L. (1976, February). Symposium on Sex Differences in Brain Asymmetry. International Neuropsychological Society, Toronto.

Molfese, D. L. (1976, April). Language and evoked potentials: Linguistic vs. lower order effects in infants and adults. The Fourth International Congress on Event Related Slow Potentials of the Brain. Hendersonville, North Carolina.

Molfese, D. L. (1977, May). Neuroelectrical correlates of semantic processes. Conference on Evoked Potentials and Semantic Processes. Downstate Medical Center, New York.

Pace, S., Molfese, D. L., Mikula, W., & Schmidt, A. (1977, May). Relationships between behavioral and electrocortical responses of aphasic and non-aphasic brain-damaged adults to semantic materials. Conference on Evoked Potentials and Semantic Processes. Downstate Medical Center, New York.

Molfese, D. L. (1978, August). Averaged evoked potentials and speech perception. Conference on the application of the averaged evoked potential to the study of psychological processes. Center for Research in Human Learning, University of Minnesota.

Molfese, D. L. (1980, February). Symposium on "Temporal Processing and Hemispheric Specialization." International Neuropsychological Society, San Francisco.

Molfese, D. L. (1980, March). The nature of the neural mechanisms which underly the processing of speech information in infants and adults. International Conference on the Neuropsychology of Language and Reading. Columbia University, New York.

Molfese, D. L. (1980, November). Scalp electrophysiological correlates of human language. Symposium on the Neurobiology of Language, Society for Neuroscience.

Molfese, D. L. (1980, December). ERP correlates of language processes during development. Conference on the Cortical Correlates of Information Processing, The Netherlands.

Molfese, D. L. (1981, January). Electrophysiological indices of hemispheric specialization in humans. Carmel Conference on Cognitive Psychophysiology.

Molfese, D. L., & Molfese, V. J. (1981, March). Auditory evoked responses in infant speech perception. Symposium on Electrophysiological studies of CNS development in infants. Society for Research in Child Development, Boston.

Molfese, D. L., & Schmidt, A. (1982, February). Identification of language delayed children using electrophysiological techniques. Symposium on Inferring brain organization in individuals from experimental procedures. International Neuropsychology Society, Pittsburgh.

Molfese, D. L. (1983, August). Neural substrate for language processes. XI International Symposium on Language Origins, Congress of Anthropology and Ethological Sciences, Vancouver, Canada.

Molfese, D. L. (1983, November). Phonology: Central Processing. Keynote speaker, California Speech and Hearing Association, District 8.

Molfese, D. L., & Molfese, V. J. (1984, October). Predicting later language development based on brain responses recorded at birth. Nato conference on Individual Differences in Hemispheric Specialization, Maratea, Italy.

Molfese, D. L. (1985, July). The development of laterality. NATO Advanced Study Institute on Motor Development in Children: Aspects of Control and Coordination. Amsterdam, The Netherlands.

Molfese, D. L. (1985, May). Electrophysiological correlates of lateralization and its implications for later development. Conference on the Developmental Implications of Brain Lateralization. Brock University, St. Catharines, Ontario, Canada.

Molfese, D. L. (1986, June). Electrophysiological indices of brain reorganization for language in a left-hemispherectomized child. Symposium on Innovative procedures for studying brain functions. International Neuropsychological Society, Amsterdam.

Molfese, D. L. (1986, June). Keynote Speaker. University of Oklahoma Communications Disorders Conference. Electrophysiological Correlates of Language Processes. Oklahoma City, OK.

Molfese, D. L. (1987, March). Mind and Brain. Sigma Xi, University of Oklahoma.

Molfese, D. L., & Molfese, V. J. (1987, April). Baby brains and baby talk. Sigma Xi Invited Lecture. Southern Illinois University at Carbondale.

Molfese, D. L. (1987, April). Early language acquisition and the brain. California State University at Long Beach.

Molfese, D. L. (1988, January). Auditory evoked responses and the prediction of later developmental outcomes. Symposium on Brainstem Auditory Evoked Responses: A window on the developing brain. International Neuropsychological Society, New Orleans, LA.

Molfese, D. L. (1988, April). Infant cerebral asymmetry: Electrophysiological correlates from studies of speech perception and word development. Advances in Cerebral Lateralization research. University of Toledo, Toledo, Ohio.

Molfese, D. L. (1988, May). Infant hemisphere differences: A review of electrophysiological research over the past 15 years. Midwestern Psychological Association, Chicago, Illinois.

Molfese, D. L. (1988, May). Similarities and differences in the cortical evoked responses obtained from rhesus monkeys and pygmy chimpanzees. Symposium on Psychophysiological approaches to animal cognition and behavior. Midwestern Psychological Association, Chicago, Illinois.

Molfese, D. L. (1988, June). Lateralization in primates. NIH conference on Biobehavioral Foundations of Language Development. Washington, D.C.

- Molfese, D. L., & Molfese, V. J. (1989, February). The use of auditory evoked responses recorded from newborns to predict later language skills. Invited address, ACLD 26th International Conference, Miami, Florida.
- Molfese, D. L. (1989, March). Evoked potentials: Recent advances in the study of language and cognition. Conference on Neuropsychology: Experimental and Theoretical. Niagara Falls, Canada.
- Molfese, D. L. (1989, March). Electrophysiological correlates of word learning. Conference on the developmental variations in language and learning: A neuropsychological and educational perspective. Columbia University, New York, New York.
- Molfese, D. L. (1989, March). Electrophysiological correlates of early language acquisition. Symposium on evoked potentials: Recent advances in the study of language and cognition. Conference on the neuropsychology: Experimental and theoretical. Niagara Falls, New York.
- Molfese, D. L. (1989, April). The role of the mentor in graduate training. Keynote speaker at the Center for Adolescent Development Banquet to honor David S. Palermo. The Pennsylvania State University, State College, PA.
- Molfese, D. L. (1990, June). Electrophysiological correlates of language development in chimpanzees and humans. D. M. Rumbaugh, Symposium on Chimpanzees: Language, speech, counting, and video tasks. American Psychological Society, Dallas, Texas.
- Molfese, D. L., Morris, R., & Ronski, M. A. (1990, June). Concept learning in children with moderate to severe mental retardation: Neuroelectrical correlates. D. M. Rumbaugh, Symposium on Chimpanzees: Language, speech, counting and video tasks. American Psychological Society, Dallas, Texas.
- Molfese, D. L., & Molfese, V. J. (1990, September). Speech perception and functional hemispheric asymmetry in the human newborn infant. NATO Conference on Acquired Aphasia in Children. Sintra, Portugal.
- Molfese, D. L., & Molfese, V. J. (1992, April). Electrophysiological correlates of language development. Presented at the Thirteenth West Virginia University Conference on Life Span Development Psychology: Biological and Neuropsychological Mechanisms. West Virginia University, Morgantown, WV.
- Molfese, D. L. (1993, June). Utilizing neuroelectrical measures in early assessment of learning disabilities. Invited presentation, Panel on New Approaches with Children and Adolescents. American Association of Applied and Preventive Psychology, Chicago, IL.

Molfese, D. L. (August 24-25, 1995). Electrophysiological indices of auditory discrimination in young children. Workshop on Phonology and reading disorders: A multidisciplinary approach. Amsterdam, The Netherlands.

Molfese, D. L., & Molfese, V. J. (1996, June). Utilizing electrophysiological measures to assess language development. Symposium on electrophysiology and cognition. 8th World Congress of Psychophysiology, Tampere, Finland.

Molfese, D. L. (1996, September). Neurophysiological correlates of semantic and syntactic development across the infant and childhood years. Paper presented at the Conference on Approaches to bootstrapping in early language development. Berlin-Brandenburgische Akademie der Wissenschaften (BBAW), Berlin, Germany. (Invited paper)

Molfese, D. L., & Gupta, L. (1998, April). Neural net approaches to analyzing neural processes. Invited paper, International Congress on Electrical Engineering, Taiwan.

Molfese, D. L. (1998, May). Utilization of neonatal neurophysiology for predicting cognitive development outcomes later in life. Invited paper, Conference on Dendritic Mechanisms in Mentally Retarded and Developmentally Disabled Populations. National Institutes of Health, Mental Retardation and Developmental Disabilities Branch, Bethesda, Maryland.

Molfese, D. L. & Ellefson, M. (1998, July). The use of event related potentials to study cognitive disorders. Invited paper, International Leukodystrophy Conference, DeKalb, IL

Molfese, D. L. (1998, July). Can we predict developmental outcomes in normal children and children with acquired and developmental disorders? Invited paper, Symposium on "Predictors of cognitive and behavioral outcome in normally developing children and children with acquired and developmental disorders." International Neuropsychological Society meeting, Budapest, Hungary.

Molfese, D.L. (1998, August). Electrophysiological correlates of language development. Invited paper, Conference on Early cognitive development and learning disabilities, University of Jyväskylä, Finland.

Molfese, D.L. (1998, September). Predicting dyslexia in children at 8 years from brain responses recorded at birth. Invited paper, COST European Conference on Reading Disabilities, Jyväskylä, Finland.

Molfese, D. L. (1998, September). Changes in brain organization for language from birth to 8 years of age: Electrophysiological correlates. Invited paper, Brain Development and Cognition in Human Infants: Development and Functional Specialization of the Cortex. European Science Foundation. San Feliu de Guixols, Spain.

Molfese, D. L. (1999, March). Electrophysiological measures of cortical change. Invited Plenary Speaker. The 1999 Gatlinburg Conference on Research and Theory in Mental Retardation. Charleston, South Carolina.

Molfese, D. L. (1999, October). Invited paper, The use of infant brain responses to predict reading problems during the childhood years. Nijmegen Dyslexia Symposium: Searching for early precursors, Max-Planck Institute, Nijmegen, The Netherlands.

Molfese, D. L. & Hickey, K. (1999, October). Invited paper, Predicting the development of the brain's involvement in the integration of music, art, and language: Evidence from neuroelectrophysiology. Foundation for Academic Excellence. Oklahoma City, OK

Molfese, D. L. (2000, January). Invited paper, Neuroelectrical correlates of change: The use of ERPs to assess, predict, and monitor treatment of reading disabilities. Houston, TX.

Molfese, D. L. (2000, May). Invited paper, Electrophysiological correlates of certain drug effects on cognitive development. Conference on Neuroimaging of brain & behavioral development following early drug experience. Rockville, MD.

Molfese, D. L. (2000, June). Invited paper, Predicting development of brain involvement in the integration of music, art, and language - Evidence from neuropsychology. Foundation for Academic Excellence. San Antonio, TX.

Molfese, D. L. (2000, October). Invited paper, Using neonatal brain responses to predict later language and reading problems: A developmental perspective. NVN Conference on Developmental Disorders, Amsterdam, The Netherlands.

Molfese, D. L. (2000, October). Invited paper, Electrophysiological measures predict reading disabilities from birth. Symposium on The Reading Brain. Organized by the NVN, the Department of Clinical Neuropsychology, and Netherlands Institute of Scientific Research Dyslexia Workgroup. Amsterdam, The Netherlands.

Molfese, D. L. (2000, October). Invited paper, Dyslexia and the brain: A perspective on Dyslexia. Symposium on The Reading Brain. Organized by the NVN, the Department of Clinical Neuropsychology, and Netherlands Institute of Scientific Research Dyslexia Workgroup. Amsterdam, The Netherlands.

Molfese, D. L. (2001, April). Invited Paper. Predicting the emergence of reading disorders from electrophysiological measures recorded from birth into the preschool period. British Dyslexia Association International Conference on "Dyslexia: At the Dawn of the New Century". York, UK.

Molfese, D.L., Modglin, A., Gill, L., Key, S., Kelly, S. & Natalie Cunningham, N. (2001, April). Invited Paper. ERPS & Behavioral Correlates of Reading Development: Studies of a Longitudinal Sample from Birth to 13 Years. Symposium on Assessment and

intervention: Multiple approaches to the longitudinal study of language, reading, and emergent literacy in preschool children. Society for Research in Child Development, Minneapolis, MN.

Molfese, D.L. & Molfese, V.J. (April 24, 2001). Invited Paper. Identification of language and reading skills from brain waves recorded at birth. Second Annual First Steps Conference, Charlotte, South Carolina.

Molfese, D. L., J Barker, S. Key, M. Vossen, C. Maldonado, & W. Breidenbach. Invited Paper. (October, 2001). Event-related Potential Indices of Sensory and Cognitive Changes in a Hand Transplant Patient. Research! Louisville, Louisville, Kentucky.

Molfese, D.L. and Molfese, V.J. (October, 2001). Invited Paper. Identification of reading skills from brain and behavioral responses. Paper presented in session moderated by J. Gilger. The Annual Conference of the International Dyslexia Association. Albuquerque, New Mexico.

Molfese, D.L. and Molfese, V.J. (October, 2001). Invited Keynote Address. Longitudinal studies of reading-related learning disabilities: age-to-age relationships among neurocognitive, familial and academic variables. The Annual Conference of the International Dyslexia Association. Albuquerque, New Mexico.

Molfese, D. L. (December, 2001). Invited participant. Pursuing Initiatives. New Chair Symposium. Association of Heads of Departments of Psychology Annual Meeting. Atlanta, Georgia.

Molfese, D.L. & Molfese, V.J. (January, 2002). Invited Presentation. Neonatal screening for language and reading disabilities. Pediatric Grand Rounds, Richland Memorial Hospital, Columbia, South Carolina.

Molfese, D.L. & Molfese, V.J. (January 24-25, 2002). Invited Presentation. Neuroelectrical indices from infancy and childhood that predict and discriminate different reading levels later in development. Conference on Language and Literacy: Developmental, Cultural and Brain Mechanisms. Ann Arbor, MI.

Molfese, D.L. (June, 2002). Invited Presentation, Brain Imaging Approaches to Early Reading & Language Disabilities in Preschool Children. Paper presented in the symposium, "Applying brain science research to early childhood professional practices: Trends, opportunities and cautions". Annual Conference of the National Association for the Education of Young Children's National Institute for Early Childhood Professional Development. Albuquerque, New Mexico.

Molfese, D.L., Key, S., Kelly, S., Gozal, D., & Cunningham, N. (June, 2002). Invited Presentation, The use of high density electrode arrays to assess cognitive functions in Pediatric OSA, Symposium on Intermittent hypoxia across the lifespan: Neuropathologic

Underpinnings of Executive Dysfunction. Associated Professional Sleep Societies 16th Annual Meeting. Seattle, WA.

Molfese, D. and Molfese, V. (July, 2002). Invited Presentation, Neonatal brain responses as predictors of later developmental outcomes. Paper presented in a symposium, Electrophysiological Correlates of Normal and Abnormal Development in Infants at the World Congress of Psychophysiology. Montreal, Quebec, Canada.

Molfese, V. and Molfese, D. (September, 2002). Invited Address, Preschool reading skills: Using a screening tool to assess early abilities – Brain and behavior findings. Paper presented as part of a panel Brain Research and Its Practical Applications. Association of American Publishers School Division Reading Summit. Washington, D.C.

Molfese, V.J. & Molfese, D.L. (November, 2002). Invited Address, Early Brain and behavioral Measures reflect Reading and Mathematics Skills. International Dyslexia Association. Atlanta, Georgia.

Molfese, D. L. & Molfese, V. J. (2003). Plenary Speakers. Evoked Potentials and Language. Conference on Human Electrophysiology. Jyväskylä, Finland,

Molfese, D. L. & Molfese, V. J. (2003). Invited Presentation. The Relationship Between Auditory Evoked Potentials in Infants and Emerging Language Processes in School-Age Children. International Dyslexia Association, San Diego, CA.

Molfese, D. L. & Molfese, V.J. (2003). Plenary Speakers. Early phonological processes and language development. XX SINPIA National Congress, Rome, Italy.

Molfese, D.L. (November, 2004). Invited Presentation. Put that child to bed! The critical role of sleep in the development of cognitive processing in children. Kentucky Psychological Association. Louisville, Ky.

Molfese, D.L. (2004). Plenary Speaker. Brain responses as a predictor of emerging dyslexia: The basis for eliminating learning disabilities in the next generation. Kentucky Academy of Science, Murray, KY.

Molfese, D.L. (November, 2004). ACNC Symposium: Cortical Event Related Potentials and Early Language Development: Variations with age, gender and nutrition. Little Rock, Arkansas.

Molfese, D.L., Fonaryova Key, A., Kelly, S., Molfese, V.J., Cunningham, N. Ferguson, M., Terrell, S. & Bonebright, T. (April, 2005). Dyslexic, Average, and Above Average Readers Engage Different and Similar Brain Regions While Reading. Symposium on “Reading Skills Of Struggling and Beginning Readers: Implications for Identification, Developmental Paths, Intervention”. SRCD, Atlanta, Georgia.

Molfese, D.L. (April, 2005). Invited Presentation. The Brain's Role in Dyslexia: A True Story with a Happy Ending. International Dyslexia Association. Nashville, TN.

Molfese, D.L. (July, 2005). Invited Presentation. Advances in Brain Imaging and its Impact on Dyslexia Treatment. International Dyslexia Association. Washington, D.C.

Molfese, D.L. (April, 2006), Unraveling the Gordian Knot: Investigating the spatial and temporal dynamics of neural processing. Neuroscience Day: The Louisville Chapter for Neuroscience.

Molfese, D.L. & Molfese, V.J. (June, 2006). Dynamic links between emerging brain processes and cognitive processes. Society for Research into Child Learning Disabilities. University of Wisconsin - Madison. Madison, Wisconsin.

Molfese, V.J. & Molfese, D.L. Invited Presentation. (June, 2006). Dynamic Links Between Emerging Cognitive Functions & Brain Processes. Society for the Scientific Studies of Reading: Pre-conference Symposium on Neurobiological and experiential dimensions of Dyslexia – Multiple Perspectives. Vancouver, Canada.

Molfese, D.L. Invited Presentation. (August, 2006). The Use of High-Density Array Event-Related Potentials and Near-infrared Technologies to Provide Spatio-Temporal Insights into Language Processing. International Society on Oxygen Transport to Tissue (ISOTT). Louisville, KY.

Molfese, D.L., Waford, R.N., Warren, C., Pratt, N. Barnes, M., Roman, A., Stone, M., Gozal, D., & Molfese, V. Invited Presentation. (November, 2006). Cognitive Impact of Weightlessness in NASA Astronauts. Kentucky Psychological Association, Louisville, KY.

Molfese, D.L., Molfese, V.J. , Gozal, D., Roman, A. Invited Presentation. (June, 2007). Event-Related Potentials in Sleepy Preschool & Primary Children. APSS. Minneapolis, MN.

Molfese, D.L. & Waford, R.N. (Invited Presentation, October, 2007). The Science of Living in Space. Louisville Science Center, Research!Louisville Conference. Louisville, KY.

Molfese, D.L., Garrod, K. Henderson, D., Molfese, V.J., Molfese, P.J., & Molfese, D.L. (Invited Presentation, October, 2007). Dynamic Links Between Emerging Brain & Reading Processes. Conference on The Development and Analysis of Neural Systems Supporting Language (DANSSL). New York, New York.

Molfese, D.L., Fonaryova Key, A. & Rue, A., & Roman, A. (Invited Presentation, October, 2007). Developmental Changes In Word Learning Effects To Auditorally Named Visual Stimuli. Symposium on "How Early Is Semantics? Electrophysiological

Correlates Of Semantic Processing Peaking Earlier Than The N400.” 47th Annual Meeting of the Society for Psychophysiological Research (SPR), Savannah, Georgia.

Molfese, D. L. & Molfese, V. (Invited Speakers). Development of very young infants impacts later learning: Part 1 and Part 2. Paper presentation to the Learning Disabilities Association, Chicago, IL, February, 2008.

Molfese, D. L. & Molfese, V. J. (Invited Speakers). The Dynamic Relationship Between Brain Organization, Reading Development And Other Cognitive Processes: From Neonates To Adolescents. 16th Annual Lindamood-Bell International Conference, Anaheim, California, March 2008.

Molfese, D. L., Molfese, V. J. (Invited Presentation). A theory of neurocognitive development and its implications for early interventions for learning disabilities. Conference on Human Development, Indianapolis, IN, April, 2008.

Molfese, D. L., Garrod, K. & Molfese, V. (Keynote Speaker). The Developing Brain - Birth to Senility. Lessons from Astronauts - Applications for Athletes. Academy for Sports Dentistry, St. Louis, MO, June, 2008.

Molfese, D. & Molfese, V (June, 2008). Invited Presentation. Brain Research: Children as Learners. New York State Reading First and Adolescent Literacy Conference - Creating a P-12 Culture of Literacy. Brooklyn, NY.

Molfese, D.L., & Molfese, V.J. (July, 2008). Invited Presentation. The Brain and Reading Development: From Infancy To Adolescence. The 5th Annual National Reading First Conference in Nashville, TN.

Molfese, D., & Molfese, V. (January, 2009). Invited Presentation. Current Brain Research about Learning. Presentation to Lunch & Learn, University of Louisville, Louisville, KY.

Molfese, D.L., Molfese, V.J., Barnes, M., Starkey, G., Tucker, L., Millis, B., Pratt, N., Waford, R. & Gozal, D. (March, 2009). Invited Presentation. ERP Measures of Brain Activity Predict the Effects of Sleep Restriction on Attention. Symposium on Brain Measures of Cognitive Functioning: Understanding the Roles of Environment and Phenotype. 42nd Annual Gatlinburg Conference, New Orleans.

Molfese, V.J., Molfese, D.L. Rudasill, K., Armstrong, N., Beswick, J., Starkey, G. & Gozal, D. (March, 2009). Invited Presentation. Measures of Brain Activity in Young Children Map onto Behavioral Performance During Executive Function Tasks. Symposium on Brain Measures of Cognitive Functioning: Understanding the Roles of Environment and Phenotype. 42nd Annual Gatlinburg Conference, New Orleans.

Molfese, D. L. & Molfese, V. J., Starkey, G., Armstrong, N., Molfese, P. J., Harris, L. & Garrod, K. (April, 2009). Invited Presentation. Brain & Behavioral Evidence of the

Impact of Sleep Restriction on Executive Functions. Symposium on “How Children's Sleep Is Related to Daytime Functioning.” 2009 Bi-Annual Meeting of The Society for Research in Child Development. Denver, CO.

Molfese, V.J., Beswick, J., Jacobi-Vessels, J., Armstrong, N., Culver, B., White, J., Ferguson, M., & Molfese, D.L. (April, 2009). Invited Presentation. Connections of Alphabet Writing, Naming and Sound Skills in Preschool and Kindergarten. Symposium on “Writing Development From Early to Middle Childhood: New Interdisciplinary Findings and Models.” 2009 Bi-Annual Meeting of The Society for Research in Child Development. Denver, CO.

Molfese, D.L. & Molfese, V.J. (May, 2009). Invited Presentation. The Young and the Adult Brain Learning Disabilities: Prevention and Intervention. The Edmond J. Safra Brain Research Center for the Study of Learning Disabilities Inaugural Conference. University of Haifa, Haifa, Israel.

Molfese, D. L. & Molfese, V. J. (September, 2009). Invited Presentation. Advances in reading intervention technique to address reading problems in normal developing and reading disabled children. First Steps, the Kentucky Early Intervention System. General Butler State Park Conference Center.

Molfese, D.L., Molfese, V.J., Molfese, P.J. & Molfese, D.L. (September, 2009). Invited Presentation. The Role of ERPs in Early Risk Identification & Intervention. NIMH Conference on Using EEG/ERP/MEG to Understand Neural Mechanisms and Treatment Effects in Mental Illness in Children and Adolescents. Bethesda, Maryland.

Molfese, D.L. (October, 2009). Keynote Address. How Neuroscience Can Help The Teacher In The Classroom. EPCL Public Seminar. The Hong Kong Institute of Education. Hong Kong, China.

Molfese, D.L. (October, 2009). Invited Presentation. The Use of Brain Responses to Study the Relationship Between the Developing Brain and Emerging Cognitive Functions. EPCL Public Seminar. The Hong Kong Institute of Education. Hong Kong, China.

Molfese, D.L. (December, 2009). The neural correlates of language intervention in SLI children. Multi-University InterBrain Alliance of Finland, Jyvaskyla, Finland.

Molfese, D., and Molfese, V. (May, 2011). The Brain and Reading Development: From Infancy To Adolescence. Keynote presentation at the Developmental & Learning Sciences Summit, University of Cincinnati, Cincinnati, OH.

Molfese, D.L. & Molfese, V.J. (October, 2011). Interventions in the First Years of Life to Mitigate Later Emerging Language Impairment. Reading, Language, and the Brain: Understanding the Development of Literacy. Haskins Training Institute., New Haven CT.

Molfese, D.L. (November, 2011). The Cognitive Neuroscience of Second Language Acquisition: Present challenges and future potential. Center for Advanced Study of Language. University of Maryland.

Molfese, D.L. (March, 2012). "Learning Styles and Perceptual Pathways: Tapping in to Neurological Proclivities". Dragon Fly Community-Connect Webinar Series.

Molfese, D.L., Kota, S., Hudac, C., Nedrow, J., Smith, M. & Davidson, A. (2012). Keynote Speaker. Sports Concussion: Present & Future. Nebraska Head Injury Association Annual Meeting, Kearney, NE.

Molfese, D.L. & Earnest, N. (2012). Invited Presentation. The Brain, Aging & Sex Differences. Nebraska Head Injury Association Annual Meeting, Kearney, NE.

Molfese, D.L. & Molfese, V.J. (2012) Keynote Address. The Brain's Role in Dyslexia: A True Story with A Happy ending. 2012 CYFS Creating Connections Lecture, University of Nebraska-Lincoln. April 2, 2012.

Molfese, D.L., Hudac, C., Cortesa, C., Kota, S., Devlin, L.A., & Radmacher, P. (May 3, 2012). Contrasting the use of MMN and Equal Probability Paradigms to Study Memory in Late Preterm and Term Infants. Presentation at the 6th Conference on Mismatch Negativity (MMN) and Its Clinical and Scientific Applications. The Graduate Center, CUNY, New York, NY.

Hudac, C.M., Kota, S., Nedrow, J.L., & Molfese, D.L. (2012, April). Invited Paper: Neural mechanisms underlying neuro-optometric rehabilitation following traumatic brain injury. Invited oral presentation at the annual Neuro-Optometric Rehabilitation Association in Memphis, TN.

Molfese, D. & Molfese, V. (April, 2012). Sleep habits and cognitive development. Invited Presentation, 2012 Child, Youth, Families, and Schools Summit on Research in Early Childhood: Creating Connections Between Research and Practice, Lincoln, NE.

Molfese, D.L. (April, 2012). Keynote Speaker. The brain's role in Dysexia: A true story with a happy ending. Presentation at Child, Youth, Families and Schools Creating Connections Speaker Series, Lincoln, NE.

Molfese, D.L. (2014, September). Keynote Speaker. Madonna Chairman's 2014 GOAL Awards. Lincoln, NE.

Molfese, D.L. (2014, October). Keynote Speaker. The Brain and Dyslexia. The Nebraska Dyslexia Association. Lincoln, NE.

Molfese, D.L. (2014, October). UNL Nebraska Lecture" Concussion: The New Reality. West Stadium Club, Memorial Stadium.

Molfese, D.L. (February, 2015). Invited Presentation, Leading Internal and External Collaborations. Committee on Institutional Collaboration Big10 Conference. Northwestern University, Chicago, IL.

Molfese, D.L. (2015, June). Keynote Speaker, Advances in Dyslexia Research and Intervention. Mensa National Meeting. Louisville, KY.

Molfese, D.L. & Molfese, V.J. (2017, November). Timing of Brain Responses to Speech Sounds in Infancy: Predicting Language and Reading Skills. Symposium on Speech in Reading (Chair, Margie B. Gills), Atlanta, Ga.

E. PAPER PRESENTATIONS AT PROFESSIONAL MEETINGS

Molfese, D. L. (1972, December). Cerebral asymmetry in infants, children, and adults: Auditory evoked responses to speech and non-speech stimuli. Paper presented at the 84th meeting of the Acoustic Society of America, Miami.

Molfese, D. L., & Freeman, Jr. R. B. (1973, April). Zerebrale asymmetrie der sprachwahrnehmung bei neugeborenen. Paper presented to the 15th Tagung Experimentell Arbeitender Psychologen, Erlangen.

Molfese, D. L. (1973, May). Cerebral asymmetry: The development of speech perception in the human brain. Paper presented to Midwestern Psychological Association meeting, Chicago.

Molfese, D. L., & Goldberger, K. (1974, May). The development of passive sentence comprehension. Paper presented to the 46th Annual Meeting of the Midwestern Psychological Association, Chicago.

Molfese, D. L. (1974, September). The role of Semantic and Syntactic factors in integrative memory. Paper presented to the 82nd meeting of the American Psychological Association, New Orleans.

Uselding, D., & Molfese, D. L. (1974, September). Adult speech perception: Asymmetrical effects in categorical perception. Paper presented to the 82nd meeting of the American Psychological Association, New Orleans.

Molfese, D. L. (1974, November). The development of speech production in children: A physiological model. Paper presented to the 88th meeting of the Acoustical Society of America, St. Louis.

Molfese, D. L. (1975, April). Factors affecting differential hemispheric processing of speech materials in human infants. Paper presented at the 1975 Biennial meeting of the Society for Research in Child Development, Denver.

Molfese, D. L. (1975, May). Factors affecting differential hemispheric responding in premature infants. Paper presented to the 47th annual meeting of the Midwestern Psychological Association, Chicago.

Molfese, D. L. (1976, May). Asymmetries in infant speech perception. Paper presented to the 48th Annual Meeting of the Midwestern Psychological Association, Chicago.

Molfese, D. L., Nunez, G., & Seibert, S. M. (1976, May). Electrophysiological correlates of speech perception in neonates. Paper presented to the 48th Annual Meeting of the Midwestern Psychological Association, Chicago.

Molfese, D. L. (1976, September). Neurocortical processing of speech sounds: Infancy to adulthood. Conference on Sign Language and Neurolinguistics. Rochester, New York.

Molfese, D. L., & Jones-Molfese, V. (1977, March). Electrophysiological correlates of categorical speech perception in infants two to four months old. Paper presented at the 1977 Biennial Meeting of the Society for Research in Child Development, New Orleans.

Hess, T. H., & Molfese, D. L. (1977, March). Cortical processes underlying categorical perception in 4 year olds: Neuroelectrical correlates. Paper presented at the 1977 Biennial Meeting of the Society for Research in Child Development, New Orleans.

Molfese, D. L. (1977, May). Electrophysiological correlates of meaning. Paper presented at the 49th Annual Meeting of the Midwestern Psychological Association, Chicago.

Papanicolaou, A. C., & Molfese, D. L. (1977, May). Evoked potential components related to handedness processing strategies and stimulus features. Paper presented at the 49th Annual Meeting of the Midwestern Psychological Association, Chicago.

Papanicolaou, A., & Molfese, D. L. (1977, June). Latent components of evoked potentials related to phonological and semantic features of verbal stimuli. Paper presented at the 93rd Annual Meeting of the Acoustical Society of America.

Molfese, D. L., & Hess, R. M. (1977, June). Neuroelectrical correlates of categorical speech perception in preschool aged children. Paper presented at the 93rd Annual Meeting of the Acoustical Society of America.

Molfese, D. L. (1978, February). Subcortical involvement in semantic processes: Electrophysiological evidence. International Neuropsychological Society.

Molfese, D. L. (1978, February). Left hemisphere involvement in the perception of consonant transitions. International Neuropsychological Society.

Molfese, D. L., & Molfese, V. (1978, April). VOT Discriminations - Developmental Changes. Fifth Biennial Meeting of the Southeastern Conference on Human Development, Atlanta.

Molfese, D. L., & Molfese, V. (1978, May). VOT Discrimination is not innate. 50th Annual Meeting of the Midwestern Psychological Association, Chicago.

Molfese, D. L., & Molfese, V. J. (1979, February). Left hemisphere involvement of newborn infants in speech perception. International Neuropsychological Society, New York.

Molfese, D. L., & Molfese, V. J. (1979, March). Left hemisphere discrimination of consonants in newborn infants. Society for Research in Child Development, San Francisco.

Molfese, D. L., & Schmidt, A. (1980, May). Electrophysiological evidence for consonant invariance during speech perception. Midwestern Psychological Association.

Erwin, R. J., & Molfese, D. L. (1980, May). Hemispheric processing of vowel sounds. Midwestern Psychological Association.

Molfese, D. L., Erwin, R. J., & Deen, M. E. (1980, November). Electrophysiological indices of consonant invariant cues from scalp recorded potentials of preschool age children during speech perception. Society for Neuroscience.

Molfese, D. L., Erwin, R. J., & Deen, M. E. (1980, November). Hemispheric discrimination of tone onset times by preschool children. Psychonomic Society, St. Louis.

Molfese, D. L., Parsons, C., & Sode, J. (1980, October). Auditory evoked responses distinguish between right and left cerebral damage in adult men. American Physiological Society.

Molfese, D., Morse, P., Taylor, J., & Erwin, R. (1981, February). Cortical responses of infant rhesus monkeys to consonant invariant cues: Evidence for an innate basis for language development. International Neuropsychological Society.

Molfese, D. L., & Molfese, V. J. (1981, March). Neuroelectrical evidence for phoneme perception in newborn human infants. Society for Research in Child Development, Boston.

Molfese, D. L., & Molfese, V. J. (1982, February). Hemispheric responses of preschool age children to speech and nonspeech temporal cues. International Neuropsychology Society, Pittsburgh.

Morse, P. A., Laughlin, N., Linnville, S., Wetzel, F., & Molfese, D. (1983, March). A longitudinal study of phonetic distinctions in nonhuman primates: Electrophysiological indices of categorical-like perception. Body for the Advancement of Brain, Behavioral and Language Enterprises.

Molfese, D. L., Linnville, S., Wetzel, F., Morse, P. A., Laughlin, N., & Bowman, R. E. (1983, May). Prenatal versus postnatal effects of lead on brain responses to speech sounds: Electrophysiological indices in Rhesus Macques. Midwestern Psychological Association.

Molfese, D. L., & Molfese, V. J. (1983, May). Predicting language performance at age three years from neuroelectrical measures obtained at birth. Midwestern Psychological Association.

Wetzel, F., Linnville, S., & Molfese, D. L. (1984, May). A study of semantic features: Electrophysiological correlates. Paper presented to the 56th annual meeting of the Midwestern Psychological Association, Chicago.

Linnville, S., Wetzel, F., Leicht, D., & Molfese, D. L. (1984, May). Electrophysiological correlates of handedness and speech perception. Paper presented to the 56th annual meeting of the Midwestern Psychological Association, Chicago.

Molfese, D. L. (1985, February). Hemisphere differences and the emergence of word discriminations during infancy. Paper presented to the 14th Annual meeting of the International Neuropsychological Society, Denver.

Molfese, D. L., Wetzel, F., Linnville, S., Imbasciate, C., Leicht, D., Courtney, C., Baldwin, K., & Adams, C. (1985, May). Word recognition in 16-month old infants: Electrophysiological indices. Paper presented to the 57th annual meeting of the Midwestern Psychological Association.

Molfese, D. L., & Wetzel, F. (1986, May). Infant memory for frequent and infrequent events: Electrophysiological correlates. Midwestern Psychological Association Meeting, Chicago.

Boliek, C. A., Peters, C., Oestrick, J., & Molfese, D. L. (1987, March). Electrophysiological correlates of consonant and vowel perception with learning disabled adults. Body for the Advancement for Brain, Behavior, and Language Enterprises: A Conference on the Neuropsychology of Language. Niagara Falls, Canada.

Boliek, C. A., Molfese, D. L., & MacGregor, L. A. (1987, May). Electrophysiological correlates of learning disabilities and speech perception. Midwestern Psychological Association, Chicago, IL.

Betz, J. C., Adams, C. A., & Molfese, D. L. (1987, May). Electrophysiological correlates of consonant categorical speech perception in dogs: Does Fido know his place. Midwestern Psychological Association, Chicago, IL.

Adams, C. A., Betz, J. C., & Molfese, D. L. (1987, May). Electrophysiological correlates of categorical perception of voicing contrasts in dogs: See Spot tell "BA" from "PA." Midwestern Psychological Association, Chicago, IL.

Molfese, D. L., & Molfese, V. J. (1987, July). Developmental changes in the hemisphere differences of human infants from birth to one year of age during speech perception. International Neuropsychological Society, Barcelona, Spain.

Molfese, D. L., & Molfese, V. J. (1988, January). Auditory evoked responses and prediction of later developmental outcomes. International Neuroscience Society.

Molfese, D. L. (1988, November). Electrophysiological correlates of word meanings in young infants. American Speech-Language-Hearing Association, Boston, MA.

Molfese, D. L., & Betz, J. C. (1988, November). Use of microcomputers as portable and inexpensive evoked potential systems. American Speech- Language-Hearing Association, Boston, MA.

Molfese, D. L., Peters, C. J., & Morse, P. A. (1989, February). Auditory evoked responses from infants to verbal labels for different objects: Cross-modal processing as a basis for early language acquisition. International Neuropsychological Society.

Molfese, D. L. (1989, March). The use of ERPs to study early word development. Symposium on Evoked potentials: Recent Advances in the study of language and cognition. Conference on Neuropsychology: Experimental and Theoretical. Niagara Falls, New York.

Molfese, D. L., & Molfese, V. J. (1989, May). Brain responses at birth discriminate between children at three years-of-age with different levels of language skills: Results from a longitudinal study. Midwestern Psychological Association, Chicago, IL.

Camperlengo, L. L., Burger-Judisch, L. & Molfese, D. L. (1989, May). Perceptual constancy for consonant sounds in human newborns: Electrophysiological implications. Midwestern Psychological Association, Chicago, IL.

Burger-Judisch, L., Campberlengo, L. L., & Molfese, D. L. (1989, May). Electrophysiological correlates of speech and nonspeech perception in human newborn infants. Midwestern Psychological Association, Chicago, IL.

Morris, R., Molfese, D. L., & Rowski, M. A. (1989, June). International Neuropsychology Society Meeting, Helsinki, Finland.

Molfese, D. L., Morse, P. A., & Cornblatt, R. (1990, February). Comprehending what's in a name: Auditory evoked responses of receptive naming in traumatic brain injured adults. International Neuropsychology Society, Orlando, FL.

Morse, P. A., Molfese, D. L., & Cornblatt, R. (1990, March). Auditory evoked response measures of language comprehension in TBI individuals. Sixth Annual National Traumatic Brain Injury Symposium, Boston, MA.

Cercy, S. P., Adams-McGlasson, C. L., & Molfese, D. L. (1990, May). Comprehending what's in a name: Auditory evoked responses of receptive naming in traumatic brain injured adults. Midwestern Psychological Association, Chicago, IL.

Molfese, D. L., Morse, P. A., & Cornblatt, R. (1990, May). Auditory evoked response measures of sentence comprehension in head injured adults. Midwestern Psychological Association, Chicago, IL.

Morse, P. A., Molfese, D. L., & Cornblatt, R. (1990, August). Sentence comprehension to severe head injury: Auditory evoked response measures. American Psychological Association, Boston, MA.

Molfese, D. L., & Molfese, V. J. (1991, February). The use of scalp recorded evoked responses at birth to predict language performance at 3 years of age. International Neuropsychology Society, San Antonio, TX.

Molfese, D. L., & Molfese, V. J. (1991, April). Auditory evoked brain responses at birth predict language performance at 3 years of age. Society for Research in Child Development, Seattle, Washington.

Molfese, D. L., & Wetzel, W. F. (1991, April). Neural correlates of early cognitive and linguistic development. Society for Research in Child Development, Seattle, Washington.

Molfese, D. L., & Molfese, V. J. (1991, May). Newborn auditory evoked brain responses discriminate language skills at 3 years-or-age. Midwestern Psychological Association, Chicago, IL.

Burger-Judisch, L. M., & Molfese, D. L. (1991, May). Maturational sex differences in the auditory evoked response to speech and nonspeech stimuli. Midwestern Psychological Association, Chicago, IL.

Gill, L., Burger, L., & Molfese, D. L. (1992, February). Auditory evoked responses recorded from adults to nouns and verbs during a matching task. International Neuropsychological Society, San Diego, CA.

Molfese, D. L., & Shucard, D. W. (1992, April). Current and future directions in infant developmental neuropsychology from an electrophysiological perspective. Symposium organized for the 8th international conference on infant studies, Miami.

Molfese, D. L. (1992, April). What event related potentials offer to the study of infant language development. 8th International conference on infant studies, Miami.

Burger-Judisch, L. M., Gill, L. A., & Molfese, D. L. (1992, May). Evoked responses discriminate nouns from verbs during a visual-auditory matching task. Midwestern Psychological Association, Chicago, IL.

Murray, K. L., & Molfese, D. L. (1992, May). Perceptual invariance for consonant sounds in 4-year-old children: Electrophysiological correlates. Midwestern Psychological Association, Chicago, IL.

Simos, P. G., Clark, K. B., & Molfese, D. L. (1992, May). Perceptual invariance for consonant and vowel information in newborn infants: Electrophysiological correlates. Midwestern Psychological Association, Chicago, IL.

Molfese, D. L. (1993, March). Biological influences on lifelong changes. Conference on The Assessment of Biological Mechanisms Across the Lifespan, Carbondale, IL.

Simos, P., Murray, K., & Molfese, D. L. (1993, March). Consonant cue discrimination in 5 year old children: Electrophysiological correlates. Conference on The Assessment of Biological Mechanisms Across the Lifespan, Carbondale, IL.

Molfese, D. L., Wetzel, W. F., & Gill, L. A. (1993, March). Known vs. unknown word discrimination in 12-month-old human infants: Electrophysiological correlates. Conference on Developmental Neuropsychology. New Orleans, LA.

Molfese, D. L., Molfese, V. J., Benschhoff, S., & Gill, L. A. (1993, March). Auditory evoked brain responses at birth predict language performance at 3 years of age. Society for Research in Child Development, New Orleans, LA.

Gill, L. A., & Molfese, D. L. (1993, May). Electrophysiological correlates of word meanings in 12-month-old infants. Midwestern Psychological Association, Chicago, IL.

Molfese, D. L., & Molfese, V. J. (1993, May). Brain responses at birth predict language skills at three-years-of-age: A longitudinal study. Midwestern Psychological Association, Chicago, IL.

Murray, K., & Molfese, D. L. (1993, May). Consonant sound discrimination in 4 year old children: Electrophysiological correlates. Midwestern Psychological Association, Chicago, IL.

Simos, P., Murray, K., & Molfese, D. L. (1993, May). Bilateral and right hemisphere discrimination of consonant sounds in 5-year-old children. Midwestern Psychological Association, Chicago, IL.

Murray, K., & Molfese, D. L. (1993, May). Effects of head down tilt on cognitive processing. Aerospace Medical Association meeting, Toronto, Ontario, Canada.

Molfese, D.L. & Gupta, L. (1993). A brain-response based artificial neural network control system for spinal cord and brain-injured patients, 24th Annual Neural Prosthesis Workshop, NIH, Bethesda, MD, October 13-15.

Brenden, R. A., Simos, P. G., & Molfese, D. L. (1993, October). Electrophysiological evidence of innate basis for temporal perception. Undergraduate Conference, Rockford College, Rockford, IL.

Simos, P. G., Molfese, D. L., & Brenden, R. A. (1994, February). Innate basis for the perception of voicing contrasts: Electrophysiological correlates. 22nd Annual International Neuropsychology Society Meeting, Cincinnati, OH.

Molfese, D. L., Molfese, V. J., & Gill, L. A. (1994, February). Predicting language performance at 5 years of age from evoked potentials recorded at birth. 22nd Annual International Neuropsychology Society Meeting, Cincinnati, OH.

Molfese, D. L. (1994, February). Discussant. Language and the brain: Insights from imaging studies. 22nd Annual International Neuropsychology Society Meeting, Cincinnati, OH.

Murray, K. L., Benshoff, S. J., & Molfese, D. L. (1994, May). The effects of head-down-tilt on cognitive processing. Midwestern Psychological Association, Chicago, IL.

Simos, P. G., Molfese, D. L., & Brenden, R. A. (1994, May). Consonant place discrimination in newborn infants. Midwestern Psychological Association, Chicago, IL.

Molfese, D. L., Wetzell, W. F., & Tan, A. (1994, May). Eight month retest for memory changes in 22 month old infants: Data from evoked potentials. Midwestern Psychological Association, Chicago, IL.

Molfese, D. L., Gill, L., & Benshoff, S. (1994, June). Predicting language performance at 5 years of age from evoked brain potentials recorded at birth. International Conference on Infant Studies, Paris, France.

Molfese, D. L. (1994, June). Cross-species comparisons for speech sound discrimination. Symposium on Developmental Neuropsychology: Implications from Studies in Great Apes. International Conference on Infant Studies, Paris, France.

Gill, L. A., Tan, A., & Molfese, D. L. (1995, February). Preschoolers' auditory evoked responses to nouns and verbs in a matching task. International Neuropsychological Society Meeting, Seattle, Washington.

Sakari, S., Molfese, D. L., & Simos, P. G. (1995, February). Electrophysiological correlates of orthographic and phonological processing using the probe procedure. International Neuropsychological Society Meeting, Seattle, Washington.

Gill, L. A., Tan, A., & Molfese, D. L. (1995, March). Auditory evoked responses to nouns and verbs in preschoolers. Society for Research in Child Development, Indianapolis, IN.

Molfese, D. L., Gill, L. A., & Simos, P. G. (1995, March). Predicting language performance at 5 years from evoked potentials recorded at birth. Society for Research in Child Development, Indianapolis, IN.

Acheson, S., & Molfese, D. L. (1995, May). Electrophysiological correlates of the WISC-III verbal-performance IQ discrepancy: Evidence from newborn event related potentials. Midwestern Psychological Association meeting, Chicago, IL.

Simos, P. G., Peters, C. J., & Molfese, D. L. (1995, May). Consonant cue discrimination of speech and nonspeech sounds in newborn infants: Electrophysiological correlates. Midwestern Psychological Association meeting, Chicago, IL.

Molfese, D. L., & Tan, A. (1995, May). Classification by sex of event related potentials (ERPs) to speech and nonspeech stimuli. Midwestern Psychological Association meeting, Chicago, IL.

Molfese, D. L. (1995, May). Predicting language performance at 5 years of age from auditory evoked potentials recorded at birth. Midwestern ERP Conference, Beckman Institute, Urbana-Champaign, IL.

Gupta, L., Molfese, D.L., Tammana, R., & M. McAvoy, M. (1995), "Artifact rejection for improving the performance of evoked potential neural network classifiers. Optical Engineering Midwest 95, Chicago, Illinois, May 18-19.

Molfese, D. L. & Molfese, V. J. (1996, February). Brain responses discriminate learning from familiarity in adolescents. International Neuropsychological Society meeting, Chicago, IL.

Tan, A., Gill, L. A., & Molfese, D. L. (1996, February). Differential hemispheric involvement during syntactic processing in preschools: Electrophysiological correlates. International Neuropsychological Society meeting, Chicago, IL.

- Tan, A., Fox, D. R., & Molfese, D. L. (1996, May). Developmental changes in the auditory event-related potential (ERP) across a longitudinal sample. Midwestern Psychological Association meeting, Chicago, IL.
- Thomas-Thrapp, L. J., Sarkari, S., & Molfese, D. L. (1996, May). Evidence for developmental differences in the latency of event related potentials (ERPs) to speech and non-speech stimuli. Midwestern Psychological Association meeting, Chicago, IL.
- Molfese, D. L., & Molfese, V. J. (1996, June). Predicting language performance at 5 years of age from evoked potentials recorded at birth. 8th World Congress of Psychophysiology, Tampere, Finland.
- Carrell, M., & Molfese, D. L. (1996, October). Undergraduate conference on graduate education, Plattville, WI.
- Fox, D., Tan, A., & Molfese, D. L. (1997, February). Developmental changes during orthographic, phonological, and visual processes in 9 and 10 year olds. International Neuropsychological Society Meeting, Orlando, Florida.
- Molfese, D. L., & Molfese, V. J. (1997, February). Predicting language performance at 8 years of age from evoked potentials recorded at birth. International Neuropsychological Society Meeting, Orlando, Florida.
- Fox, D. R., House, J. A., Scott, C. E., & Molfese, D. L. (1997, May). Electrophysiological correlates of orthographic processing in young children. Midwestern Psychological Association, Chicago, IL.
- Tan, A. A., Carrell, M. D., Nicol, C. C., & Molfese, D. L. (1997, May). Electrophysiological correlates of orthographic, phonological and visual processes during a reading task. Midwestern Psychological Association, Chicago, IL.
- Molfese, D. L., Narter, D.A., Ellefson, M. R., Van Matre, A. J., Chambers, E. A. , & Modglin, A. A. (1998, February). Developmental Changes in Event-Related Potential Peak Latencies to Speech and Nonspeech Sounds.
- Narter, D., Elefson, M., Tan, A. A., Van Metre, A. & Molfese, D.L. (1998, May). Electrophysiological correlates of orthographic processing in young children. Midwestern Psychological Association, Chicago, IL.
- Molfese, D. L., Espy, K. A., & Molfese, V. J. (1999, February). Developmental Changes In Brain Event-Related-Potential Latencies And Later Language Skills: A Growth Curve Analysis. International Neuropsychological Society meeting, Alburgueque, NM.
- Narter, D.A., Arlene A. Modglin, A.A., Van Matre, A.J., Ellefson, M.E., Chambers, E.A., & Molfese, D. L.. (1999, May). Event-Related Potentials to Semantic Anomalies in Twelve-Year-Old Children. Midwestern Psychological Association, Chicago, IL.

Gupta, L., Phegley, J., & Molfese, D.L. (July, 2000). "Robust classification of multichannel match and mismatch evoked potentials," 22nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society, July 23-28, Chicago,

Gregg, R., Read, D., Ball, S., Peachey, N., Molfese, D., Powers, P., & McCall, M. (November, 2000). Role of the β_2 subunit of voltage gated calcium channels in photoreceptors to bipolar cell synapse structure and function. Society for Neuroscience, New Orleans, LA.

Molfese, V.J., Molfese, D.L., Modglin, A., Schaper, K. (November, 2000). Language Development, Reading and Narrative Skills: A Longitudinal Study of Interacting Skills In Early Childhood. University of Louisville and Jewish Hospital Foundation. Research! Louisville First Place Award for "Innovation in Behavioral Science (2000).

Schaper, K., Conway, K., Modglin, A., Molfese, V.J., & Molfese, D.L. (April, 2001). Measurement of reading, language, and narrative discourse skills: A longitudinal study skills in elementary school children. Society for Research in Child Development, Minneapolis, MN.

Molfese, V. J., Molfese, D. L., S., Terrell, M., Ferguson, M., Fonaryova Key, A. Kelly , S., Cunningham, N., Rumage, C. (October, 2001). Language, reading, and mathematics abilities in preschool children: evidence of skills from behavior and brain processing. Research! Louisville.

Molfese, V. J., Molfese, D. L., Modglin A. & K. Schaper, K. (October, 2001). Language Development, Reading and Narrative Skills: A Longitudinal Study of Interacting Skills In Early Childhood. Research! Louisville.

Molfese, D.L., Fonaryova Key, A. Kelly , S., Cunningham, N., Rumage, C., Wambacq, I., Molfese, V., Terrell, S., & Ferguson, M. (October, 2001). Brain response differences in dyslexia, average and above average readers. Research! Louisville.

Molfese, V.J. & Molfese, D.L. (October, 2001) Language and mathematics abilities in preschool children: an interdisciplinary assessment of developmental status and prediction of outcome trajectories. University of Louisville and Jewish Hospital Foundation. Research! Louisville, Louisville, KY.

Vossen M, Molfese DL, Fonaryova-Key A, Kelly S, Maldonado C, Kon M, Barker JH. Brain plasticity following hand transplantation. 37th Congress of the European Society for Surgical Research, Szeged, Hungary (23-25 May 2002). (Finalist for the Walter Brendel Award.)

Vossen M, Molfese DL, Fonaryova-Key A, Maldonado C, Kon M, Barker JH. Cortical reorganization following hand transplantation. 13th Annual meeting of the European Association of Plastic Surgeons, Crete, Greece (30 May-1 June 2002).

Molfese, V., Molfese, D., Key, A.F., Kelly, S., Kelley, M., Wilson, T., Cunningham, N., Ratajczak, E., Jardine, D., and Rumage,, C. (October, 2002). Dynamic Brain Processing of Speech Sounds in Newborn Infants. Poster presented at the University of Louisville and Jewish Hospital Foundation. Research! Louisville, Louisville, KY.

Molfese, D., Key, A.F., Kelly, S., Cunningham, N., Rumage,, C., Molfese, V., Tyrrell, S., Ferguson, M., and Bonebright, T. (October, 2002). Dyslexic, Average and Advanced Readers Engage Different Brain Regions While Reading. Poster presented at the University of Louisville and Jewish Hospital Foundation. Research! Louisville, Louisville, KY.

Fonaryova Key, A., Molfese, D.L., Mervis, C., & Cunningham, N. (February, 2003). Hemisphere Asymmetry for Language Processing in 4-year-old Children With Williams Syndrome. Paper presented at the 31st Annual Meeting of the International Neuropsychological Society, Honolulu Hawaii.

Molfese, D.L., Fonaryova Key, A., Molfese, V., Kelly, S., Cunningham, N., Rumage, C., Terrell, S. & Ferguson, M. (February, 2003). Brain response differences between dyslexic, average, and advanced readers. Paper presented at the 31st Annual Meeting of the International Neuropsychological Society, Honolulu Hawaii.

Molfese, D.L., Molfese, V., Fonaryova Key, S., Kelly, S., Kelley, M., Wilson, T., Cunningham, N. & Rumage, C. (February, 2003). High-density array electrode systems identify dynamic processes during speech perception in newborn infants. Paper presented at the 31st Annual Meeting of the International Neuropsychological Society, Honolulu Hawaii.

Kelley, M., Ronau, R., Molfese, D.L., Fonaryova Key, A., Molfese, V., Terrell, S., Ferguson, M., Wilson, T., Cunningham, N. & C. Rumage. (February, 2003). Electrophysiological Correlates of Math Processing in Children. Paper presented at the 31st Annual Meeting of the International Neuropsychological Society, Honolulu Hawaii.

Molfese, D.L., Fonaryova Key, A., Gozal, D. Cunningham, N., Kelley, M. Kelly, S. and Robinson, S. (February, 2003). Effects of sleep disturbances on auditory ERPs in young children. Paper presented at the 31st Annual Meeting of the International Neuropsychological Society, Honolulu Hawaii.

Diamond, A., Molfese, D., Ratajczak, E., & Fonaryova Key, A. (2003, March). An investigation of whether assumptions underlying the use of fMRI can be validly applied to children. Paper presented at the 10th Annual Meeting of the Cognitive Neuroscience Society, New York, New York.

Molfese D., Fonaryova Key, A., & Ratajczak, E. (2003, April). Brain response differences to learned and not-learned material in infants, children, and adults. Paper presented at the 2003 Biennial Meeting of the Society for Research in Child Development, Tampa, Florida.

Fonaryova Key, A., Ivanenko, L.M. O'Brien, D. Gozal, D. Molfese (2003, June). Mild sleep restrictions affect cognitive functions in young children: Evidence from brain recordings. Paper presented at the 17th Annual meeting of the Associated Professional Sleep Societies, Chicago, Illinois.

Mayes, L., Molfese, D., & Fonaryova Key, A. (2003, October). Event-related potentials in cocaine-exposed children. Paper presented at 50th Annual meeting of the American Academy of Child and Adolescent Psychiatry.

Fonaryova Key, A., Molfese, D.L., Mayes, L., Ratajczak, E., & Cunningham, N. (2003, November). Prenatal Cocaine Exposure Affects Executive Functions In Young Children. Paper presented at Research!Louisville 2003, Louisville, Kentucky.

Molfese, D.L., Fonaryova Key, A., Peach, K., Gozal, D., O'Brien, L., & Ivanenko, A. (2003, November) Effects Of Mild Sleep Restriction On Children's Cognitive Abilities. Paper presented at Research!Louisville 2003, Louisville, Kentucky.

Ferguson, M., Straub, S., Molfese, V., Molfese, D.L., Fonaryova Key, A., Peach, K., Walker, J. & Neamon, J. (2003, November). Brain Evidence Of Association Between Early Reading And Math Skills In Preschool Children. Paper presented at Research!Louisville 2003, Louisville, Kentucky.

Fonaryova Key, A., Molfese, D.L., Molfese, V., Ferguson, M., Straub, S., Peach, K., Walker, J. & Neamon, J. (2004, February). Links Between Early Reading And Math Skills In Preschool Children: Electrophysiological Evidence. Paper presented at the 32nd Annual Meeting of the International Neuropsychological Society, Baltimore, Maryland.

Molfese, D.L., Fonaryova Key, A., Vossen, M., Barker, J., Francois, C., Maldonado, C., Grossi, F., & Breidenbach, W. (2004, February). Event-Related Potential Indices Of Brain Reorganization In Sensory And Motor Areas In A Hand Transplant Patient. Paper presented at the 32nd Annual Meeting of the International Neuropsychological Society, Baltimore, Maryland.

Molfese, D.L., Fonaryova Key, A., Mayes, L., Ratajczak, E., & Cunningham, N. (2004, February). Prenatal Cocaine Exposure: Changes In Executive Functions In Young Children As Measured By Event-Related Potentials. Paper presented at the 32nd Annual Meeting of the International Neuropsychological Society, Baltimore, Maryland.

Molfese, D.L., Fonaryova Key, A., Peach, K., Gozal, D., O'Brien, L., & Ivanenko, A. (2004, February). Delayed Bedtime Alters Brain Processing. Paper presented at the 32nd Annual Meeting of the International Neuropsychological Society, Baltimore, Maryland.

Molfese, D.L., Fonaryova Key, A., Peach, K., Wettig, C., Ratajczak, E., Ferguson, M. & Straub, S. (2004, April). Changes in brain organization for language in the first two years of life: Electrophysiological evidence. Paper presented at the Conference on Human Development (CHD 2004), Washington, DC.

Molfese, D.L., Fonaryova Key, A., Peach, K., Ratajczak, E., Ferguson, M. & Straub, S. (2004, April). Sex-related memory differences for complex tone sounds in one-year-old infants. Paper presented at the Conference on Human Development (CHD 2004), Washington, DC.

Ferguson, M., Alexandra P. Fonaryova-Key, Peach, K., Molfese, D.L., Lehman, C. & Pratt, N. (October, 2004). Effects of cigarette smoking during pregnancy on early language abilities in young infants. Research!Louisville Conference, Louisville, KY.

Molfese, D.L., Molfese, V.J., Fonaryova,-Key, S., Fergusson, M., Straub, S., & Peach, K. (2004, November). Evidence of common brain mechanisms for reading and shape discrimination in children. Research!Louisville Conference, Louisville, KY.

Molfese, D.L., Molfese, V.J., Ferguson, M., Fonaryova Key, A. & Ratajczak, E. (2004, November). Dyslexic, Average, and Advanced Readers Process Speech In Different Brain Regions. Research!Louisville Conference, Louisville, KY.

Straub, S., Ferguson, M., Fonaryova Key, A. & Molfese, D.L. (2004, November). The impact of early nutrition on brain processing in breast-fed and bottle-fed infants. Research!Louisville Conference, Louisville, KY.

Barnes, M.E., Lesak, K.A., Wakeman, D.G., Molfese, D. L. (2004, November) Auditory Processing in Children with Sleep Apnea: A Traditional Approach. Research!Louisville Conference, Louisville, KY.

Fonaryova-Key, A., Molfese, D.L., Mayes, L., Cunningham, N., Ratajczak, E. & Hunter, N. (2004, November). Frontal lobe functioning in cocaine-exposed children: evidence from event-related potentials. Research!Louisville Conference, Louisville, KY.

Moseley, M.J., Molfese, D.L., Maguire, M., Dove, G., Key, A.P.F., & Hacet, D. ERPs with young children using cochlear implants and hearing aids. American Speech and Hearing Association, November 2004.

Molfese, D.L., Molfese, V.J., Ferguson, M., Key, A.P.F., Straub, S., Peach, K. & Pratt, N. (2004). The impact of prenatal exposure to smoking on the brain organization of newborn infants. (October, 2004). 3rd Annual Conference of the International Society for Tobacco Induced Diseases, Louisville, KY.

Harvison, K.W., Woodruff-Borden, J., & Molfese, D.L. (2004, November). Event related potentials in the prediction of anxious vulnerabilities. Poster Session presented at

the meeting of the Association for the Advancement of Behavior Therapy, New Orleans, LA.

Fonaryova Key, A., Molfese, D.L., Molfese, V.J., Cunningham, N., Kelly, S., Ferguson, M. & Terrell, S. (April 2005). Differences in Speech Sound Discrimination Between Dyslexic, Average, and Advanced Readers: Electrophysiological Evidence. SRCD, Atlanta, Georgia.

Harvison, K.W., Woodruff-Borden, J., & Molfese, D.L. (2004, November). Event Related Potentials in the Prediction of Anxious Vulnerabilities. Association for the Advancement of Behavior Therapy, New Orleans, LA.

Peach, K., Fonaryova Key, A., Molfese, D.L., Wettig, C., Ratajczak, E., Ferguson, M., Straub, S., & Wu, J. (February, 2005). Language Development During the First Two Years of Life: Changes in Brain Organization. International Neuropsychological Society, St. Louis, MO.

Ratajczak, E., Molfese, D.L., Fonaryova Key, A., Peach, K., Ferguson, M. & Straub, S. (February, 2005). Early Sex Differences in Auditory Memory Mechanisms: Evidence From 1-Year-Old Infants. International neuropsychological Society, St. Louis, MO.

Molfese, D.L., Molfese, V.J., Fonaryova Key, A. Ferguson, M. Straub, S. Peach, K., Walker, F. & Neamon, J. (February, 2005). Electrophysiological Correlates of Shape Discrimination in 5-year-olds. International Neuropsychological Society, St. Louis, MO.

Ratajczak, E., Molfese, D.L., Fonaryova Key, A. (February, 2005). Rule Internalization And Learning In Young Adults Using ERP Measurements. International Neuropsychological Society, St. Louis, MO.

Wakeman, Daniel G., Lesak, K., Barnes, M, Key, A. F., Cunningham, N., Kelly, S. D., Gozal, D., Robinson, S., Molfese, D. L. (February, 2005). Sleep Apnea Changes the Brain's Processing of Syllables in Children. Poster presented at the International Neuropsychological Society, St. Louis, MO.

Fonaryova Key, A. Ferguson, M., Molfese, D.L., Peach, K., Lehman, C. & Pratt, N. (February, 2005). Effects of smoking during pregnancy on speech discrimination ability in newborn infants. International neuropsychological Society, St. Louis, MO.

Peach, K. Fonaryova Key, A. Molfese, D.L.. Molfese, V.J.. Ratajczak, E. Ferguson, M. & Straub, S. (2005). Effects of sex and age on auditory memory in infants during the first 18 months of life: ERP indicators. SRCD, Atlanta, Georgia.

Fonaryova Key, A. Ferguson, M. Straub, S. Peach, K., Molfese, D.L., Molfese, V.J., Walker, F. & Neamon, J. (April, 2005). Early reading and shape discrimination in young children: ERP evidence of common brain mechanisms. SRCD, Atlanta, Georgia.

Hunter, N., Fonaryova Key, A., Molfese, D.L. (April, 2005). Event related potentials in cocaine-exposed children. SRCD, Atlanta, Georgia.

Ratajczak, E., Molfese, D.L., Key, A., Peach, K. (April, 2005). Rule internalization and learning in young adults using ERP measurements. SRCD, Atlanta, Georgia.

Wang, E. M., Adams, Z. W., Saunders, K. A., Maguire, M. & Molfese, D.L. (April, 2005). Electrophysiological Correlates of Shape Discrimination in 5-year-olds. SRCD, Atlanta, Georgia.

J.M Banks, V.J. Molfese, A. Fonaryova Key, K.R. Peach, D.L. Molfese. (2005). Zygosity-Related Memory Differences For Complex Tone Sounds In 18 Month-Old Infants. Research!Louisville, November, 2005.

Laricia Longworth and Dennis L. Molfese. (2005). Impact of Sleep Restriction on Speech Processing in Children. Research!Louisville, November, 2005.

Ferguson, M. C., Molfese, P. J., Straub, S. L., Fonaryova Key, A., & Molfese, D. L. (2005). Brain Processing Differences in Breast-fed and Bottle-fed Infants. Research!Louisville, November, 2005.

Mary C. Wagner, Dennis L. Molfese, & Victoria J. Molfese. (2005). Investigating The Relationship Between Early Reading Skills And Phonological Processing. Research!Louisville, November, 2005.

M.E. Barnes, K. Peach, L. Fentress D. Gozal, D.L. Molfese (2005). ERP Differences Detect Changes In Executive Functioning of Children When Sleep Is Reduced. Research!Louisville, November, 2005.

Chris Snowdy, Kelley Peach, Jennifer Beswick, Andrew Molnar, Victoria Molfese, Dennis Molfese (2005). Effect of Pre-natal Smoking on Visual Evoked Response Potentials (ERPs) in 4 to 5 year-old Children. Research!Louisville, November, 2005.

C. Rightmyer, M. Ferguson, V. Molfese, K. Peach, J. Walker, & D.L. Molfese (2005). ERPs Index The Relation Between Prereading Skills And Math Abilities. Research!Louisville, November, 2005.

Molfese, D.L. Brain Imaging and the Gordian Knot: Advances in the use of 128 electrode high-density recording techniques in pediatric populations. Department of Molecular, Cellular and Craniofacial Biology and the Birth Defects Center. University of Louisville. February, 2006.

Barnes, M. E., Peach, K., , Fentress, L., Gozal, D., & Molfese, D.L. (February, 2006). ERP Differences Detect Changes In Executive Functioning of Children When Sleep Is Reduced By Only One-Hour. International Neuropsychological Association Meeting, Boston, MA.

Banks, J.M., V.J. Molfese, A. Fonaryova Key, K.R. Peach, D.L. Molfese. (February, 2006). Zygosity-Related Memory Differences For Complex Tone Sounds In 18 Month-Old Infants. International Neuropsychological Association Meeting, Boston, MA.

Rightmyer, C., M. Ferguson¹, V. Molfese², K. Peach¹, J. Walker², , Jill Jacobi-Vessels, & D.L. Molfese. (February, 2006). ERPs Index The Relation Between Prereading Skills And Math Abilities. International Neuropsychological Association Meeting, Boston, MA.

Ferguson, M., Straub, S., Molfese, P.J., Fonaryova Key, A. & Molfese, D.L. (February, 2006). Differences in Early Speech Processing in Breast-fed and Bottle-fed Infants. International Neuropsychological Association Meeting, Boston, MA.

Longworth, L. & Molfese, D.L. (February, 2006). Impact of Minor Sleep Reduction on Speech Processing in Children. (February, 2006). International Neuropsychological Association Meeting, Boston, MA.

Pratt, Nikki L.; Guttorm, Tomi; Peitso, Satu; Lyytinen, Heikki; Molfese, Dennis. (February, 2006). Short Term Training Impacts the Adult Brain. International Neuropsychological Association Meeting, Boston, MA.

Gupta, L., Kook, H., Molfese, D, Lyytinen, H., Fadem. K.C. (August, 2006). An Offline/Real-Time Artifact Rejection Strategy to Improve the Classification of Multi-Channel Evoked Potentials. 28th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. New York, New York.

Molfese, D., Price, J., Molnar, A., Snowdy, C., Molfese, P., Beswick, J. & Molfese, V., (October, 2006). Hemispheric Differences in Speech Processing among 4-year-old Males and Females. Poster presented at Research!Louisville, Louisville, Kentucky.

Molnar, A., Wagner, M., Wu, J., Waford, R., & Molfese, D. L. (October, 2006). Spatio-temporal characteristics of auditory oddball processing using ERP and near-infrared procedures. Poster presented at Research!Louisville, Louisville, Kentucky.

Snowdy, C., Molfese, P., Molfese, V., & Molfese, D. (October, 2006). The effect of smoking during pregnancy on speech sound discrimination In newborn infants: An auditory ERP study. Poster presented at Research!Louisville, Louisville, Kentucky.

Pratt, N.L., Whitaker, H.A., & Molfese, D.L. (October, 2006). Amygdala Activation in Varying Mood States Influences Early Processing of Black and White Line Drawings. Society for Neuroscience.

Wu, J., Yoder, P.J., Molfese, D.L., Dykman, R.A. (October, 2006). Comparison of Speech-Perception in SLI and Normal Children. Society for Neuroscience Conference, Atlanta, Georgia.

Wu, J., Molnar, A., Wagner, M., Waford, R., Warren, C., & Molfese, D. L. (October, 2006). Sex differences in oddball task across ERP and Near-infrared methodology. Poster presented at Research Louisville, Louisville, Kentucky.

Harvison, K.W., Molfese, D.L., & Woodruff-Borden, J. (2006, November). Auditory-evoked brain responses and anxious vulnerabilities in neonates. Poster session presented at the annual meeting of the Indiana Psychological Association, Indianapolis, IN.

Molfese, D.L., Waford, R., Warren, C., Pratt, N., Brian, E., Barnes, M., Gozal, D., & Molfese, P. (February, 2007). Brain organization during an attention task changes following minor sleep loss and head-down tilt. NASA Human Research Program Investigators' Workshop, League City, Texas.

Molnar, A., Wagner, M., Beswick, J., Molfese, V., & Molfese, D. (February, 2007). Alphabetic Letter-Knowledge and Speech Sound Discrimination: A Preliminary Study using Electrophysiology in a Preschool Sample. International Neuropsychological Society, Portland, Oregon.

Barnes, M., Van Raay, E., Pratt, N., Gozal, D., Molfese, V., Molfese, D.. (February, 2007). Rarely Snoring Children Exhibit ERP Differences From Controls. International Neuropsychological Society, Portland, Oregon.

Price, J., Molnar, A., Snowdy, C., Molfese, P., Molfese, V., & Molfese, D. (February, 2007). Differences in Processing Speech Cues Within and Between Hemispheres in Male and Female 4-year-old Children. International Neuropsychological Society, Portland, Oregon.

Wu, J., Molnar, A., Wagner, M., Waford, R. Warren, C., & Molfese, D. L. (February, 2007). Sex Differences In Attention Across ERP and Near-Infrared Procedures On The Same Participants. International Neuropsychological Society, Portland, Oregon.

Molfese, D.L., Waford, R., Warren, C., Pratt, N., Brian, E., Barnes, M., Gozal, D., & Molfese, P. (February, 2007). Brain organization during an attention task changes following minor sleep loss and head-down tilt. NASA Human Research Program Investigators' Workshop, League City, Texas.

Molfese, V., Siegel, S., Berninger, V., Leonard, C., Lyytinen, H., & Molfese, D. Controversies In Interpretations Of Reading Studies: Implications For Intervention Based On Brain and Behavior Evidence. Roundtable Discussion Symposium presented at the Biennial Meeting of Society for Research In Child Development, Boston, MA.

Wheatley, M., Snowdy, C., Ferguson, M., Banerjee, E., Molfese, V., Molfese, D. (March, 2007) The Difference That an Hour of Sleep Makes on Attentional Auditory Event-Related Potentials in Children. Poster presented at the Biennial Meeting of Society for Research In Child Development, Boston, MA.

Kook, H., Gupta, L., Kota, S., Molfese, D. (August, 2007). A Dynamic Multi-Channel Decision-Fusion Strategy to Classify Differential Brain Activity. 29th International Conference of the IEEE Engineering in Medicine and Biology Society. Lyon, France.

Warren, C. G., Pratt, N. L., Molnar, A. E., Millis, B. G., Gozal, D., Molfese, V. J., & Molfese, D. L. (2007, August). The effects of sleep restriction on speech perception in children. Poster to be presented at the 115th annual convention of the American Psychological Association, San Francisco, CA.

Witcher, L., Gozal, D., Molfese, D.L., & Crabtree, V. (June, 2007). Sleep Hygiene and problem behaviors in children. APSS, Minneapolis, MN.

Armstrong, N. E., Barnes, M. E., Waford, R. A., Bayarsaihan, N., Gozal, D., Molfese, V. J., & Molfese, D. L. (2007, October). Event related potentials mediate performance on RBANS following alteration of sleep/wake cycles. Poster presented at Research!Louisville, Louisville, KY

Brian, E. S., Emerson, J. L., Gozal, D., Molfese, V. J., & Molfese, D. L. (2007, October). The effects of simulated microgravity on speech perception under different sleep conditions. Poster presented at Research! Louisville, Louisville, KY

Johnson, J. M., Miller, S. D., Vallentine, S. D., Yoder, P. J., Molfese, V. J., & Molfese, D. L. (2007, October). The perception of place of articulation by preschool children with specific language impairment. Poster presented at Research! Louisville, Louisville, KY

Osborne, C. N., Romas, R., Gozal, D., Molfese, V. J., & Molfese, D. L. (2007, October). The effects of mild sleep restriction on visual attention in school-age children. Poster presented at Research! Louisville, Louisville, KY

Roman, A. S., Kang, Y. J., Gozal, D., Molfese, V. J., & Molfese, D. L. (2007, October). Does true sleep time matter? Relationship to auditory attention of 6 to 8 year old children. Poster presented at Research! Louisville, Louisville, KY

Rue, Alysia R., Baker, K. E., Molfese, V. J., Molfese, D. L. (2007, October). Auditory evoked responses recorded at birth corresponding to Bayley receptive scores at 2 years of age. Poster presented at Research! Louisville, Louisville, KY

Tucker, L. G., Bartolotti, J. V., Molfese, V. J., & Molfese, D. L. (2007, October). AER responses to speech sounds at birth and parental education level linked to receptive language scores at two years of age. Poster presented at Research! Louisville, Louisville, KY

Waford, R.N., Bayarsaihan, N., Gozal, D., Molfese, V., Molfese, D.L. (October, 2007). Sex Differences and Electrophysiological Correlates of Attention Deficits using the CPT II. Poster presented at Research!Louisville, Louisville, Kentucky.

Warren, C. G., Starkey, G. S., Molfese, V. J., & Molfese, D. L. (2007, October). Performance on shapes task shows differences between groups based on DAS scores. Poster presented at Research! Louisville, Louisville, KY

Wu, J., Pratt P., Alysia R., Key, A., Briedenbach, W.C., & Molfese, D.L. (October, 2007). Increased Activation of Left Hemisphere After Right Hand Transplantation Using Event Related Potentials: A Case Study. Society For Psychophysiological Research, Savannah, Georgia.

Pratt P. & Molfese, D.L. (October, 2007). The Influence of Motivation and Reward on Selective Visual Attention. Society For Psychophysiological Research, Savannah, Georgia.

Wagner, M. C., Molnar, A. E., Molfese, P. J., Beswick, J. L., Molfese, V. J., & Molfese, D. L. (February, 2008). Electrophysiological indices of age-related differences in response inhibition. Poster presented at the 36th Annual International Neuropsychological Society Meeting. Waikoloa, HI.

Molfese, P., Molfese, V., Beswick, J., Jacobi-Vessels, J., & Molfese, D. (February, 2008). Dynamic Links Between Emerging Cognitive Skills and Brain Processes. Poster presented at the 36th Annual Meeting of the International Neuropsychological Society, Waikoloa, Hawaii.

Molnar, A. E., Wagner, M. C., Molfese, P. J., Beswick, J. L., Molfese, D. L., & Molfese, V. J. (February, 2008). Electrophysiological differences from two executive functioning ERP paradigms in the same children 5-to-8 years of age. Poster presented at the 36th Annual Meeting of the International Neuropsychological Society, Waikoloa, Hawaii.

Roman, A., Beswick, J., Molnar, A., Molfese, V., Gozal, D., & Molfese, D. (February, 2008). Impact of minor sleep loss on speech perception in 7-year-olds. Poster presented at the 36th Annual Meeting of the International Neuropsychological Society, Waikoloa, Hawaii.

Armstrong, N., Barnes, Maria E., Waford, R. A., Bayarsaihan, N., Gozal, D., Molfese, V. & Molfese, D.L. (April, 2008). Event Related Potentials Mediate Performance on RBANS Following Alteration of Sleep/Wake Cycles. Conference on Human Development, Indianapolis, IN.

Osborne, C., Romas, R., Gozal, D., Molfese, V., & Molfese, D.L. (April, 2008). Sleep Restriction Effects Children's Performance on Visual Attention Task. Conference on Human Development, Indianapolis, IN.

Emerson, J., Brian, E., Gozal, D., Molfese, V., & Molfese, D.L. (April, 2008). The Effects of Simulated Microgravity on Speech Perception Under Different Sleep Conditions. Conference on Human Development, Indianapolis, IN.

- Starkey, G., Warren, C., Molfese, V., & Molfese, D.L. (April, 2008). Shape Matching Tasks May Show Predictive Relationships to Early Mathematics Abilities in Children. Conference on Human Development, Indianapolis, IN.
- Kang, Y., Roman, A., Gozal, D., Molfese, V. J., & Molfese, D.L. (April, 2008). Impact of True Sleep Time on the Auditory Attention of 6 to 8 Year Old Children. Conference on Human Development, Indianapolis, IN.
- Warren, C., Waford, R., Gozal-Kheirandish, L., Molfese, V., & Molfese, D.L. (April, 2008). Sleep Restriction in Adult Participants Shows Differences in Semantic Processing. Conference on Human Development, Indianapolis, IN.
- Waford, R., Warren, C., Gozal-Kheirandish, L., Molfese, V., & Molfese, D.L. (April, 2008). Differential Processing of Congruent and Incongruent Stimuli in Adults. Conference on Human Development, Indianapolis, IN.
- Bartolotti, J., Tucker, L., Molfese, D.L., & Molfese, V.J. (April, 2008). Predicting Child's Receptive Language Scores at Two Years of Age Based on AER Responses to Speech Sounds Recorded at Birth and Parental Education Level. Conference on Human Development, Indianapolis, IN.
- Bayarsaihan, Namulen, Waford, R., Barnes, Maria, Armstrong, N., Kheirandish-Gozal, L., Molfese, D.L. (April, 2008). Sex Differences and Electrophysiological Correlates of Attention Deficits using the CPT II. Conference on Human Development, Indianapolis, IN.
- Molfese, D. L., Molfese, V. J. (April, 2008). Invited Presentation. A theory of neurocognitive development and its implications for early interventions for learning disabilities. Conference on Human Development, Indianapolis, IN.
- Roman, A.S., Pratt, N.L., Dayyat, E. Gozal, D. Molfese V., & Molfese, D.L. (June, 2008). Using Electrophysiology to Better Predict Minor Sleep Loss in Children. 22nd Annual Meeting of the Associated Professional Sleep Societies, Baltimore, Maryland.
- M.E. Barnes, C. Osborne, S. Schemke, E. Dayyat, Gozal, D., & Molfese, D.L. (June, 2008). Occasional snoring during sleep in children and impairments on a speech discrimination task. 22nd Annual Meeting of the Associated Professional Sleep Societies, Baltimore, Maryland.
- J. Shannon, E. Shannon, R. Waford, Kheirandish-Gozal, L., Molfese, D.L. (June, 2008). Sleep Restriction Causes Phonemic Decoding Differences in Adults. 22nd Annual Meeting of the Associated Professional Sleep Societies, Baltimore, Maryland.
- K. Garrod, R. Waford, Kheirandish-Gozal, L., Molfese, D.L. (June, 2008). Changes In Brain Organization During An Attention Task Following Minor Sleep Loss And Head-

Down Tilt. 22nd Annual Meeting of the Associated Professional Sleep Societies, Baltimore, Maryland.

Brian, E.S., Kheirandish-Gozal, L., Molfese V., Molfese, D.L. (June, 2008). The Effects of Sleep Loss and Simulated Microgravity in Adults Using a Rock-Paper-Scissors Paradigm. 22nd Annual Meeting of the Associated Professional Sleep Societies, Baltimore, Maryland.

Warren C., Kheirandish-Gozal L., Molfese V., Molfese D.L. (June, 2008). Three-Hour Sleep Loss Impacts Speech Perception in Adults. 22nd Annual Meeting of the Associated Professional Sleep Societies, Baltimore, Maryland.

Osborne C., Dayyat E., Gozal, D., Molfese V., Molfese D.L. (June, 2008). Consistent Sleep Aids Children's Performance on Auditory Attention Task. 22nd Annual Meeting of the Associated Professional Sleep Societies, Baltimore, Maryland.

Dayyat E., Spruyt K., Roman A., Molfese D.L., Gozal D. (June, 2008). Recovery from 1-Week Mild Sleep Restriction in 4-8 Year-Old Healthy Children. 22nd Annual Meeting of the Associated Professional Sleep Societies, Baltimore, Maryland.

Warren, C. G., Waford, R. N., Kheirandish-Gozal, L., Molfese, V. J., & Molfese, D. L. (2008, August). Sleep restriction shows differences in semantic processing in adult participants. Poster presented at the 116th annual convention of the American Psychological Association, Boston, MA. Recipient of second-place graduate student poster presentation, APA Division of Experimental Psychology.

Roman, A. S., Warren, C. G., Kheirandish-Gozal, D., Molfese, V. J., & Molfese, D. L., (2008, August). Sleep restriction and recovery on speech discrimination in adults. Poster to be presented at the 116th annual convention of the American Psychological Association, Boston, MA.

Molfese, V. & Molfese, D. (October, 2008). The 3 R's: Research Readiness and Reading. Keynote address at The Hindman Settlement School's Prevention of Failure Institute: Children of Promise, Hindman KY.

King, A., Warren, C., Armstrong, N, Kheirandish-Gozal, L., Molfese, V., Molfese, D., (February, 2009). Event related potentials express the impacts of stress and sleep loss via n auditory attention task. International Neuropsychology Society, Atlanta, GA.

O'Brien, K.M., Brian, E., Garrod, K.N., Kheirandish-Gozal, L., Molfese, V., & Molfese, D. (February, 2009) The Effects of Minor Sleep Restriction Elicited by an Oddball Task. International Neuropsychological Society, Atlanta Georgia

Molfese, D.L., Molfese, V.J., Starkey, G., Armstrong, N., & Molfese, P.J. (April, 2009). Brain and Behavioral Evidence Of The Impacts Of Sleep Restriction On Executive

Functions. Symposium on Children's Sleep is Related to Daytime Functioning. Biennial Meeting of Society for Research Child Development. Denver, CO.

Huss, R., Barnes, M.E., Tucker, L.G., Gozal, D., Molfese, V.J. & Molfese, D.L. (April, 2009). Is Childhood Snoring Benign? ERP and Behavioral Evidence. Biennial Meeting of Society for Research Child Development. Denver, CO.

Warren, C. G., Garrod, K. N., Kheirandish-Gozal, L., Molfese V. J., & Molfese, D. L. (2009, May). Simulated weightlessness changes cognitive processing during an auditory oddball task. The 80th annual meeting of the Aerospace Medical Association, Los Angeles, CA.

Johnson, J.M., Shannon, E., Shannon, J. & Molfese, D.L. (2009). Recognition of Semantic Incongruity in Children with Cochlear Implants. 2009 International Symposium on Cochlear Implants in Children. Seattle, Washington.

Allison N. J. Dudley, Anne R. Harrell, Adrienne S. Roman, Nikki L. Pratt, Victoria J. Molfese, & Dennis L. Molfese. (February, 2011). One-Hour Per Night Sleep Loss Impacts Hemisphere Processing In 6-Year Old Children: Electrophysiological Correlates. International Neuropsychological Society, Boston, MA.

Ben M. James, Naomi R. David, Krista N. Garrod, Nikki Pratt, Victoria J. Molfese, & Dennis L. Molfese. (February, 2011). The Effects Of Minor Sleep Loss On Speech Processing In Adults. International Neuropsychological Society, Boston, MA.

Naomi R. David, Ben M. James, Krista N. Garrod, Rachel Wafford, Victoria J. Molfese, & Dennis L. Molfese. (February, 2011). International Neuropsychological Society, Boston, MA.

Harrell, A.R. Dudley A. Roman, A.S., Nikki L. Pratt, Victoria J. Molfese, & Dennis L. Molfese (2011). Impact Of Minor Sleep Loss On Speech Perception In 6-yr Old Children: Electrophysiological Effects. International Neuropsychological Society, Boston, MA.

Radmacher PG, Devlin LA, Molfese DL. (2011). Speech perception in late preterm infants: Brain response correlates. *Journal of Investigative Medicine* 59 (2): 543A.

Devlin LA, Radmacher PG, Molfese DL. (2011). Auditory event-related brain potential correlates of memory in late preterm infants. *Journal of Investigative Medicine* 59 (2): 547A.

Yoder, P., Molfese, D., Murray, M., & Key, A. (2011). Speed of speech processing in preschoolers with specific language impairment before and after grammatical treatment. Poster presented at the Society for Research on Child Development, Montreal, Canada.

Petersen, I.T., Bates, J.E., Kelsey, K., Hudac, C.M., Kota, S., Cortesa, C., Molfese, D.L., & Staples, A.D. (April 18-20, 2013). Longer P3 Latencies Associated with Externalizing

Behavior Problems in Young Children. Presented at the biannual Society for Research in Child Development in Seattle, WA.

Cortesa, C.S., Hudac, C.M., & Molfese, D.L. (October 11, 2012). Brain-Behavior Relationships in Collegiate Athletes: Utility of Event-Related Potentials. Concussion in Athletics: From Brain to Behavior, 2nd Annual Conference. Penn State University Park, State College, PA.

Munsche, H.A., Molfese, D.L., Decker, P.S., Cortesa, C.S., & Hudac, C.M. (October 11, 2012). The Effect of mTBI on ERP & Behavioral Measures for College Football Players. Concussion in Athletics: From Brain to Behavior, 2nd Annual Conference. Penn State University Park, State College, PA.

Decker, P.S., Cortesa, C.S., Hudac, C.M., & Molfese, D.L. (October 11, 2012). Concussion Self-Report and Working Memory Function in University Football Players. Concussion in Athletics: From Brain to Behavior, 2nd Annual Conference. Penn State University Park, State College, PA.

Hudac, C.M. & Molfese, D.L. (June 26, 2012). Electrophysiological correlates of theory of mind. Presentation at the Maryland Neuroimaging Center Summer Institute on Social Developmental Neuroscience. University of Maryland, College Park, MD.

Molfese, D.L., Hudac, C.M., Cortesa, C., Kota, S., Devlin, L.A., & Radmacher, P. (May 3, 2012). Contrasting the use of MMN and Equal Probability Paradigms to Study Memory in Late Preterm and Term Infants. Presentation at the 6th Conference on Mismatch Negativity (MMN) and Its Clinical and Scientific Applications. The Graduate Center, CUNY, New York, NY.

Hudac, C.M., Kota, S., Nedrow, J.L., & Molfese, D.L. (2012, April). Invited Paper: Neural mechanisms underlying neuro-optometric rehabilitation following traumatic brain injury. Invited oral presentation at the annual Neuro-Optometric Rehabilitation Association in Memphis, TN.

Hudac, C.M., Petro, N., Meidlinger, K.M., Haslam, R., Kota, S., Nedrow, J.L., & Molfese, D.M. (2012, March). Correction of visual dysfunction following traumatic brain injury during Stroop color-naming task. Presented at the annual Cognitive Neuroscience Society (CNS) Meeting in Chicago, IL.

S. Kota, K. M. Kelsey, J. B. Rigoni, & D. L. Molfese, "Change in Relative Delta Power During Attention Task to Index Sport Related Concussion", Biomedical Engineering Society Conference, Atlanta, October 2012.

S. Kota, K. M. Kelsey, J. B. Rigoni, & D. L. Molfese, "Feasibility of Event-Related Potentials as a Sideline Measure of Concussion", 2nd Conference on Concussion in Athletics: From Brain to Behavior, State College, October 2012.

Petersen, I.T., Bates, J.E., Kelsey, K., Hudac, C.M., Kota, S., Cortesa, C., Molfese, D.L., & Staples, A.D. (April 18-20, 2013). Longer P3 Latencies Associated with Externalizing Behavior Problems in Young Children. Presented at the biannual Society for Research in Child Development in Seattle, WA.

Cortesa, C. S., Meinders, A. M., Fangmeir, A., & Molfese, D. M. (October 3, 2013). Infant Familiarization: Dynamic Time Course of Learning. Poster presented at the Nebraska Neuroscience Symposium, Omaha, NE.

Kota, S., Cortesa, C. S., Molfese, D. M. (September 27, 2013). Relative Spectral Power based Clustering of Dense-Array Event Related Potentials. Poster presented at the Biomedical Engineering Society 2013 Annual Meeting, Seattle, WA.

Peterson, I. T., Bates, J. E., Kelsey, K. M., Hudac, C. M., Kota, S., Cortesa, C. S., Molfese, D. L., & Staples, A. D. (May 23, 2013) N2 ERP latencies associated with self-regulation in toddlers. Poster presented at the meeting of the Association for Psychological Science, Washington DC.

Kota, S., Cortesa, C. S., & Molfese, D. L. (April 19, 2013). Spectral analysis of event related potentials during auditory oddball in college football players. Poster presented at the 2013 Midwest Biomedical Engineering Career Conference, University of Illinois at Chicago, Chicago, IL.

Damme, K.S., Hudac, C.M., & Molfese, D.L. (May 8-10, 2014). Pubertal Development Modulates Event Related Potential During Gambling Task: Preliminary Data. Presented at Society of Biological Psychiatry annual meeting in New York, NY.

Cortesa, C. S., Molfese, D.M. (April 8, 2014) Dynamic Changes in Attention to Familiar and Novel Stimuli in Newborn Infants. Poster presented at the Cognitive Neuroscience Society 2014 Annual Meeting, Boston, MA.

Frank C., Molfese D.L., Gozal D., Waford R., Garrod K. & Roman, A. (May, 2015). Basic Speech Perception Deficits in Microgravity Simulation and Controlled Sleep Loss. Aerospace Medical Association.

Molfese, D.L., Mayes, L. & Prokasky, A. (March, 2015). Prenatal Cocaine Exposure Impacts Neurocognitive Functioning in Early Adolescents. In SRCD symposium on Neural Mechanisms of Psychopathology in Early Childhood (Chair: Isaac Petersen). Philadelphia, PA.

Molfese, P.J., Ledwidge, P., Zosky, J., Masterson, C., Shattuck, J., Patterson, J., Honaker, J., Burnfield, J. & Molfese, D.L. (June, 2016). Cortical Thickness differences in retired athletes with and without a history of concussion. Conference on Human Brain Mapping, Geneva, Switzerland.

Halvorsen, A. & Molfese, D.L. (August, 2016). Infant language assessment predicts later Math Skills. Nebraska Research Symposium, University of Nebraska-Lincoln.

Leonhardt, S. & Molfese, D.L. (March, 2017). The Effects of 1 Hour Sleep Loss in School-Aged Children: An Event-Related Potentials Study". CNS Annual meeting in San Francisco, CA

F. INVITED COLLOQUIA

Department of Neonatology, Stanford University Medical School, December, 1972

Department of Neonatology, Stanford University Medical School, January, 1975

Central Institute for the Deaf, St. Louis, April, 1975

Department of Psychology, The Pennsylvania State University, April, 1975

Department of Psychology, Massachusetts Institute of Technology, April, 1975

Fachbereich Psychologie und Soziologie, Universitat Konstanz, West Germany, July, 1975

Department of Psychology, University of Rochester, February, 1976

Department of Psychology, Rockefeller University, February, 1976

Department of Psychology, McGill University, February, 1976

Department of Neonatology, Stanford University Medical School, January, 1977

Department of Psychology, North Carolina State University, Raleigh, April, 1977

Department of Neonatology, Stanford University Medical School, January, 1979

New York University Medical Center, March, 1980

Department of Psychology, The University of Waterloo, March, 1981

Department of Psychology, The Pennsylvania State University, March, 1981

Department of Speech & Hearing Sciences, University of Maryland, April, 1981

J. F. Kennedy Medical Center, Baltimore, April, 1981

Veterans Administration Hospital, Pittsburgh, April, 1981

Department of Neonatology, Stanford University Medical School, May, 1981

Department of Psychology, Emory University, April, 1982

Central Institute for the Deaf, St. Louis, April, 1984

Department of Neurology, University of North Dakota Medical Center, Fargo, August, 1984

Department of Psychology, University of Mississippi, April, 1987

Department of Psychology, Georgia State University, July, 1987

Department of Psychology, University of Delaware, April, 1989

Department of Psychology, University of Toledo, May 1989

Sechenov Institute of Evolutionary Physiology and Biochemistry of the Academy of Sciences of the USSR, September, 1989

Loyola Medical School, Chicago, Il., June, 1991

Department of Psychology, University of Jyvaskyla, Finland, October, 1992, 1996.

University of Washington, Seattle, June, 1994

Department of Psychology, The Pennsylvania State University, October, 1996.

Department of Psychology, Washington University, December, 1996.

Department of Psychology, Vanderbilt University, November, 1997.

Department of Psychology, University of Minnesota, March, 1998.
Department of Psychology, University of Memphis, November, 1998.
Mental Retardation Center, University of Kansas, February, 1999.
Department of Child & Juvenile Psychiatry, University of Utrecht, The Netherlands.
June, 1999.
Department of Psychology, Cornell University, September, 1999.
Department of Psychology, DePauw University, April, 2000.
College of Human Development, University of Texas – Dallas, June, 2001.
Child Study Center, School of Medicine, Yale University, July 2001.
Department of Psychology, University of Cincinnati, October, 2001.
Department of Psychology, University of Quebec - Montreal, March, 2002.
The Krasnow Institute for Advanced Study, George Mason University, March, 2002.
Eunice Kennedy-Shriver Institute for Advanced Studies, Boston, July, 2003.
Department of Psychology, Emory University, March, 2004.
Child Study Center, School of Medicine, Yale University, July 2004.
Department of Psychology, Western Illinois University, October, 2004.
Department of Psychology, Butler University, January, 2005
Department of Psychology, University of Kansas, February, 2005
Roy A. Roberts Lecturer, University of Kansas, February, 2005
The Reading Institute, University of Jyväskylä, Finland, August, 2005.
The Yale Child Study Center, Yale University, New Haven, CN, June, 2006.
Department of Psychology, Western Illinois University, Mocomb, IL, September, 2006.
Department of Psychology, Our Lady of the Woods College, Terra Haute, IN, September,
2006.
Department of Psychology, Lake Forest College, IL, November, 2006.
Department of Psychology, Western Kentucky University, KY, November, 2006.
Department of Psychology, DePauw University, Greencastle, IN, February, 2007.
Department of Psychology, University of Notre Dame, South Bend, IN, February, 2008.
Purdue University, West Lafayette, IN, June, 2008.
Yale University, New Haven, CT, August, 2008.
Department of Psychology, Indiana University, Bloomington, IN, November, 2008.
Department of Psychology, University of Cincinnati, Cincinnati, OH, January, 2009.
School of Medicine, University of Cincinnati, Cincinnati, OH, July, 2009.
Department of Psychology, University of China, Hong Kong, China, October, 2009.
Yale Child Study Center, Yale University, November, 2009.
Agora Center, University of Jyväskylä, Jyväskylä, Finland, December, 2009.
Georgia State University, Language & Literacy Distinguished Lecture Series, Feb. 2010.
Hastings College, Department of Psychology, October, 2012.
Hong Kong Institute of Education, January, 2013.
Molecular, Cellular & Integrative Neuroscience, Colorado State University – Ft Collins,
CO, October, 2013.
University of Pennsylvania School of Medicine, Philadelphia, PA. May, 2014.
NCAA, New York, March, 2014
Research Administration, Northwestern University, Chicago, IL February, 2015
University of Oregon, Department of Psychology & EGI, Inc., August, 2015.
University of Nebraska Medical School, Psychiatry Grand Rounds, September, 2015.

“Commentary on Concussion”, Exploring Medicine Learning Community, January, 2016.

Kansas State University, April, 2017.

The Pennsylvania State University, Alumni Award Presentation, May, 2017.