

CURRICULUM VITAE

RICHARD DAVID ANDREATTA, Ph.D. Associate Professor

- ¹ *Laboratory of Speech-Orofacial Sensorimotor Physiology.*
² *Dept of Rehabilitation Sciences - Division of Communication Sciences & Disorders, & Rehabilitation Sciences Doctoral Program, College of Health Sciences.*
³ *Faculty Associate - Spinal Cord & Brain Injury Research Center, College of Medicine.*

Office Address: Wethington Bldg – 120-F, University of Kentucky, Lexington, KY 40536-0200
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ACADEMIC HISTORY

Name

Richard David Andreatta

Present Rank

Associate Professor

Tenure Status

- Tenured – The University of Georgia – April 2006
- Tenured – University of Kentucky – December 2006

Educational History

Doctor of Philosophy, *Speech Physiology and Neuroscience*. Department of Speech & Hearing Sciences & Program in Neural Science. Indiana University, Bloomington, May 1999.

Bachelor of Science, *Music and Education*, School of Music. Indiana University, Bloomington, May 1990.

List of Academic Positions

Associate Professor, Division of Communication Sciences & Disorders, Rehabilitation Sciences Doctoral Program, Dept of Rehabilitation Sciences, University of Kentucky, Lexington, KY. August 2006 to Present.

Faculty Associate, Spinal Cord & Brain Injury Research Center (SCoBIRC), University of Kentucky, Lexington, KY. September 2006 to Present.

Associate Professor, Department of Communication Sciences and Special Education, The University of Georgia, Athens, GA. April 2006 to July 2006.

Core Faculty, Division of Neuroscience, Biomedical & Health Sciences Institute, The University of Georgia, Athens, GA. January 2005 to May 2006.

Associate Member, Biomedical & Health Sciences Institute, The University of Georgia, 2002 to 2006

Assistant Professor, Department of Communication Sciences and Disorders, The University of Georgia, Athens, GA. August 2000 to March 2006.

Post-graduate Positions:

Post-Doctoral Fellow, Laryngeal & Speech Section, National Institute of Neurological Disorders and Stroke, The National Institutes of Health, Bethesda, Maryland. April 1999 to June 2000.

RESEARCH & SCHOLARLY ACTIVITIES

A. Laboratory Development and Research Interests

- *Laboratory of Speech-Orofacial Sensorimotor Physiology*, University of Kentucky, College of Health Sciences. Completed June 2007.
- *Speech Physiology Clinical Assessment Lab*, The University of Georgia, College of Education. June 2002 – May 2006.
- *Laboratory of Speech-Orofacial Physiology*, The University of Georgia, College of Education. January 2001 – May 2006.

Research Interests

- Motor control, sensory physiology, somatosensory psychophysics, and psychophysiology of the lower face in humans during dynamic and skilled orofacial force control tasks.
- Electrophysiological analysis of the trigemino-facial pathway in humans during dynamic states of precision force regulation.
- Laryngeal neurophysiology in the human, feline and mouse/rat models.

B. Publications

Journal Articles

Jiang, Y., Joshi, A., Stemple, J., & Andreatta, R. (submitted). Task-Dependent Temporo-Parietal Cortical Activation During Human Phonatory Behaviors. NeuroReport.

Davidow, J.H., Bothe, A.K., Richardson, J., & Andreatta, R.D. (submitted). Systematic Studies of Modified Vocalization: Effects of Speech Rate and Instatement Style during Metronome Stimulation. Journal of Speech-Language-Hearing Research. (30% contribution)

Thomas, LB, Stemple, JC, Harrison, A, Andreatta, RD, & Andrade, FH (in press). Effect of Dystrophin Deficiency on Selected Intrinsic Laryngeal Muscles of the mdx Mouse. Journal of Speech-Language-Hearing Research. (20% contribution)

Andreatta, R.D., & Barlow, S.M. (in press). Somatosensory Gating is Dependent on the Rate of Force Recruitment in the Human Perioral System. Journal of Speech-Language-Hearing Research. (90% contribution)

Thomas, LB, Stemple, JC, Andreatta, RD, & Andrade, FH (2009). Establishing a New Animal Model for the Study of Laryngeal Function and Disease: An Anatomic Study of the Mouse Larynx. Journal of Speech-Language-Hearing Research, 52(3), 802-811. (20% contribution)

Davidow, J.H., Bothe, A.K., Andreatta, R.D., & Ye, J. (2009). Measurement of Phonated Intervals during Four Fluency-Inducing Conditions. Journal of Speech-Language-Hearing Research, 52(1), 188-205. (30% contribution)

Andreatta, R.D. (2008). Sensorimotor Elements of the Orofacial System: Reviewing the Basics. Perspectives on Speech Science and Orofacial Disorders, 18 (2). (100% contribution)

Andreatta, R.D. & Davidow J.H. (2006). Mechanical frequency and stimulation site related differences in vibrotactile detection capacity along the lip vermilion in young adults. Clinical Oral Investigations, 10(1), 17-22 (80% contribution)

Bothe, A.K., & Andreatta, R.D. (2004). Quantitative and Qualitative Research Paradigms: Thoughts on the Quantity and the Creativity of Stuttering Research. Advances in Speech Language Pathology,

6, 167-173. (50% contribution)

Andreatta, R.D., Davidow, J.H., & Scott, A.T. (2003). Low-level static lip force control does not alter vibrotactile detection thresholds in the human orofacial system. Experimental Brain Research, *151*, 548-52. (80% contribution)

Andreatta, R.D., & Barlow, S.M. (2003). Force-related mechanosensory gating of perceptual detection thresholds in the human orofacial system. Experimental Brain Research, *149*, 75-82. (80% contribution)

Andreatta, R.D., Mann, E.A., Poletto, C., & Ludlow, C.L. (2002). Mucosal Afferents Mediate Laryngeal Adductor Responses in the Cat. Journal of Applied Physiology *93*, 1622-1629. (80% contribution)

Andreatta, R.D., Barlow, S.M., Biswas, A., & Finan, D.S. (1996). Mechanosensory modulation of perioral neuronal groups during active force dynamics. Journal of Speech and Hearing Research, *39* (5), 1006-1017. (70% contribution)

Andreatta, R.D., Barlow, S.M., & Finan, D.S. (1994). Modulation of the mechanically evoked perioral reflex during active force dynamics in young adults. Brain Research, *646*, 175-179. (70% contribution)

Barlow, S.M., Finan, D.S., Bradford, P.T., & Andreatta, R.D. (1993). Transitional properties of the mechanically evoked perioral reflex from infancy through adulthood. Brain Research, *623*, 181-188. (20% contribution)

Abstracts (Peer-reviewed)

Andreatta, R.D. (2007). Neuroscience training in Speech-Language Pathology: Understanding concepts through classroom demonstrations and manipulatives. Society for Neuroscience Abstracts, *33*

Andreatta, R.D., & Davidow, J.H. (2004). Practice effects of a lip force control task on vibrotactile detection capacity in the human orofacial system. Society for Neuroscience Abstracts, *30*

Ambalavanar, R., Miranda, M., Andreatta, R., Evans, F., Cyrus, C., & Ludlow, C.L. (2001). Effects of afferent injury on laryngeal adductor response conditioning in the cat. Society for Neuroscience Abstracts, *27*.

Andreatta, R.D., Mann, E.A., Cyrus, C.B., & Ludlow, C.L. (2000). Mucosal afferents of the posterior glottis mediate the thyroarytenoid reflex response to low level mechanical displacements in anesthetized cat. Society for Neuroscience Abstracts, *26*.

Andreatta, R.D. & Barlow, S.M. (1999). Force-related mechanosensory gating of vibrotactile inputs during dynamic orofacial behavior. Society for Neuroscience Abstracts, *25*, 2180.

Wigley, T.L., D'Antonio, L.L., Andreatta, R.D., Borruel, J.L., & Odland, R.M. (1993). Quantitative measures of vocal fold function following Issiki Thyroplasty Type I or Teflon injection. Abstracts of the American Laryngological, Rhinological, and Otological Society.

Finan, D.S., Barlow, S.M., & Andreatta, R.D. (1993). Modulation of the mechanically evoked perioral reflex during suck force dynamics in neonates and infants. Society for Neuroscience Abstracts, *19*, 144.

Andreatta, R.D., Barlow, S.M., & Finan, D.S. (1993). Modulation of the mechanically evoked perioral reflex during force dynamics. Society for Neuroscience Abstracts, *19*, 144.

Barlow, S.M., Finan, D.S., Bradford, P.T., & Andreatta, R. (1992). Mechanically evoked perioral reflexes in infants, children, and adults. Society for Neuroscience Abstracts, 18, 1402.

Books (single author or edited)

Andreatta, R.D. (in preparation for 2011 publication). Principles of Speech Science (1st edition). NY:New York, Elsevier Publishing.

Chapters in Books

Barlow, S.M., Finan, D.S. Andreatta, R.D. & Boliek, C (2008). Kinematic measurement of the human vocal tract. The Clinical Management of Sensorimotor Speech Disorders, 2nd ed (M. McNeil, Ed.). Thieme Medical Publishers. (25% contribution)

Barlow, S.M., Andreatta, R.D., & Kahane, J. (1999). Muscle systems of the vocal tract. In S.M. Barlow (Ed.), Handbook of Clinical Speech Physiology (pp. 1-99). San Diego, CA: Singular. (40% contribution)

Barlow, S.M., Farley, G.R., & Andreatta, R.D. (1999). Neural systems in speech physiology. In S.M. Barlow (Ed.), Handbook of Clinical Speech Physiology (pp. 101-163). San Diego, CA: Singular. (30% contribution)

Barlow, S.M., Suing, G., & Andreatta, R.D. (1999). Speech aerodynamics using AEROWIN. In S.M. Barlow (Ed.), Handbook of Clinical Speech Physiology (pp. 165-189). San Diego, CA: Singular. (30% contribution)

Barlow, S.M., Suing, G., Biswas, A., & Andreatta, R.D. (1999). Computer applications in orofacial force physiology. In S.M. Barlow (Ed.), Handbook of Clinical Speech Physiology (pp. 265-301). San Diego, CA: Singular. (20% contribution)

Barlow, S.M., Bradford, P.T. & Andreatta, R.D. (1999). Orofacial force physiology. In S.M. Barlow (Ed.), Handbook of Clinical Speech Physiology (pp. 303-346). San Diego, CA: Singular. (30% contribution)

Barlow, S.M., Finan, D.S., & Andreatta, R.D. (1997). Neuronal groups selection and emergent orofacial motor control: Towards a unifying theory of speech development. In W. Hulstijn, H.F.M. Peters, & P.H.H.M. Van Leishout (Eds.), Speech Production: Motor control, brain research, and fluency disorders (pp. 529-546). Netherlands: Elsevier. (30 % contribution)

Barlow, S.M., Finan, D.S., Andreatta, R.D., & Paseman, L.A. (1996). Kinematic measurement of the human vocal tract. In M. McNeil (Ed.), The Clinical Management of Sensorimotor Speech Disorders (pp. 107-147). New York, NY: Thieme. (25% contribution)

Other Academic, Scholarly or Professional Products

Andreatta, R.D. (2009, July). Editor's Column. *Persepctives on Speech Science and Orofacial Disorders*, 19 (1). American Speech-Language-Hearing Association, Bethesda, MD.

Andreatta, R.D. (2009, October). Editor's Column. *Persepctives on Speech Science and Orofacial Disorders*, 19 (2). American Speech-Language-Hearing Association, Bethesda, MD.

Andreatta, R.D. (2008, July). Editor's Column. *Persepctives on Speech Science and Orofacial Disorders*, 18 (1). American Speech-Language-Hearing Association, Bethesda, MD.

Andreatta, R.D. (2008, October). Editor's Column. *Persepctives on Speech Science and Orofacial Disorders*, 18 (2). American Speech-Language-Hearing Association, Bethesda, MD.

Contributor to *Mosby's Review Questions for the SLP Praxis Examination* (2009). Elsevier Publishing.

Manuscripts in Progress or Revision

Andreatta, R.D., Davidow, J.H. (in preparation). Practice effects of a lip force control task on mechanical frequency detection thresholds in the human orofacial system.

C. Convention Papers, Meeting Presentations, and Invited Lectures

Joshi, A., Jiang, Y., Andreatta, R., & Stemple, J. (2009, November). *Central laryngeal representation of normal and disordered speech*. Poster presentation at the 2009 American Speech-Language-Hearing Association Annual Convention, New Orleans, LA.

Davidow, J., Bothe, A., Richardson, J., & Andreatta, R. (2009, November). *Modified vocalization during metronome entrainment in adults who stutter*. Poster presentation at the 2009 American Speech-Language-Hearing Association Annual Convention, New Orleans, LA.

Lattin, A., Marshall, R., Andreatta, R., & Olson, A. (2009, November). *Speech Naturalness & Apraxia of Speech*. Poster presentation at the 2009 American Speech-Language-Hearing Association Annual Convention, New Orleans, LA.

Joshi, A., Stemple J., Jiang, Y. & Andreatta, R.D., (2009, June). *Task-Dependent Supramarginal Cortical Activation During Phonatory Behaviors in Humans*. Paper presentation to the 37th Annual Voice Foundation Symposium, Philadelphia, PA.

Joshi, A., Jiang, Y., Stemple J., & Andreatta, R. (2009, April). *A functional magnetic resonance imaging study on the central laryngeal representation in normal voice*. Poster presentation at the Center for Clinical and Translation Science 2009 Symposium, Lexington, KY.

Andreatta, R., Connor, N., Fisher, K., Stemple, J., Thibeault, S., & Thomson, L. (2008, November). *Bench to Bedside: Linking Basic Science to Clinical Voice Care*. Short-course presentation at the 2008 American Speech-Language-Hearing Assoc. Annual Convention, Chicago, IL.

Bothe, A., Davidow, J., Andreatta, R., & Richardson, J. (2008, November). *A Systematic Study of Modified Vocalization During Metronome Stimulation in Normally Fluent Speaker*. Poster presentation at the 2008 American Speech-Language-Hearing Association Annual Convention, Chicago, IL.

Thomas, L., Stemple, J., Andreatta, R., & Andrade, F. (2008, November). *Effect of Dystrophin Deficiency on Select Intrinsic Laryngeal Muscles of the mdx Mouse*. Technical presentation at the 2008 American Speech-Language-Hearing Association Annual Convention, Chicago, IL.

Simonson, K., & Andreatta, R.D. (2008, April). *Perceptual Vibrotactile Detection Capabilities in the Orofacial Region of Professionally-trained Brass Musicians*. Poster presentation at the 2008 University of Kentucky Showcase of Scholars, Lexington, KY.

Joshi, A., Stemple J., Andreatta, R.D., & Jiang, Y. (2008, May). *Voice Treatment outcomes using fMRI*. Paper presentation to the 37th Annual Voice Foundation Symposium, Philadelphia, PA.

Thomas, L.B., Stemple, J.C., Andreatta, R.D., & Andrade, F.H. (2008, May). *The Mouse Larynx: A Tool for Laryngeal Research*. Paper presentation to the 37th Annual Voice Foundation Symposium, Philadelphia, PA.

Andreatta, R.D. (2007, October). *Speech Sensorimotor Control & Disorders*. Invited Speaker for CD 771 – Motor Speech Disorders, Lexington, KY.

Andreatta, R.D. (2007, May). *Systems Analysis of the Human Vocal Tract: Aerodynamic, Force, Electrophysiological, & Perceptual Methods*. Invited Speaker for RHB 770 – ProSeminar in Rehab Sciences, Lexington, KY.

Andreatta, R.D. (2007, February). *Beyond the Primary Cerebral Areas: Association cortices and cognitive capacities of the brain*. Invited Speaker for RHB 744 – Advanced Topics in Motor Development, Lexington, KY.

Andreatta, R.D. (2007, January). *The Functional Organization of Perception & Movement*. Invited Speaker for RHB 744 – Advanced Topics in Motor Development, Lexington, KY.

Andreatta, R.D. (2007, January). *Speech: The skilled behaviour we often take for granted*. Invited Speaker for OBI 829 – Oral Biology, Lexington, KY.

Davidow, J.H., Richardson, J., Bothe, A.K., & Andreatta, R.D. (2006, November). *Informing Clinical Stuttering Practice through Basic Research in Neuroplasticity*. Paper presentation at the 2006 American Speech-Language-Hearing Association Annual Convention, Miami, FL.

Andreatta, R.D., & Davidow, J.H. (2004, March). *Practice effects of an orofacial motor control task on vibrotactile detection capacity in the human perioral system: Preliminary Data*. 2004 Biennial Conference on Motor Speech, Albuquerque, NM.

Hammett, L. A., & Andreatta, R.D. (2003, March). *Language Disorders in Young Children: Neuroscience Evidence Meets Clinical Practice*. Oral presentation at the 2003 Georgia Speech-Language-Hearing Association Annual Convention, Savannah, GA.

Holmes, P., Amir, N., & Andreatta, R. (2003, February). *Neuroscience as a heuristic for intervention research: A Panel Discussion*. Invited speaker for The Institute for Behavioral Research, The University of Georgia, Athens, GA.

Andreatta, R.D. (2002, September). *The Potential Role of Descending Projections during Somatosensory Transmission in the Human Orofacial System*. Invited presentation to the Basic Behavioural & Bio-behavioural Processes Group, The Institute for Behavioral Research, The University of Georgia, Athens, GA.

Andreatta, R.D., Davidow, J.H., & Scott, A.T. (2002, November) *Perioral Vibrotactile Detection Capacity during Static Lip-Force Control*. Paper presentation at the 2002 American Speech-Language-Hearing Association Annual Convention, Atlanta, GA.

Hammett, L. A., & Andreatta, R.D. (2002, November). *Language Disorders in the Context of Systems Neuroscience*. Poster presentation at the 2002 American Speech-Language-Hearing Association Annual Convention, Atlanta, GA.

Andreatta, R.D. (2001, May). *A Brief Tour of Central Auditory Neurophysiology*. Invited clinical presentation/in-service at the 2001 Georgia Speech-Language-Hearing Association Annual Convention, Savannah, GA.

Andreatta, R.D., & Barlow, S.M. (2000, February). *Force-related Mechanosensory Gating Effects on Perceptual Vibrotactile Thresholds in the Human Perioral System*. Paper presented at the 10th Biennial Conference on Motor Speech, San Antonio, TX.

Ludlow, C.L., Ambalavanar, R., Purcell, L., Evans, F., Dobbs, P., Cyrus, C., & Andreatta, R. (1999, October). *A comparison of adductor responses elicited by air pressure and displacement stimuli in the larynx*. Poster session at the 29th Annual Meeting for the Society of Neuroscience, Miami, FL.

Andreatta, R.D. (1999, May). *Force-related mechanosensory gating of vibrotactile inputs during skilled dynamic orofacial behavior*. Poster session at the 3rd Annual Scientific Retreat of the National Institute of Neurological Disorders and Stroke and the National Institute of Mental Health – The National Institutes of Health, Bethesda, MD.

Andreatta, R.D. and Barlow, S.M. (1998, November). *Gating of mechanosensory inputs during dynamic orofacial force production*. Paper presented at the Annual Convention for the American Speech-Hearing Language Association, San Antonio, TX.

Andreatta, R.D., Barlow, S.M., & Finan, D.S. (1998, November). *Gating of mechanosensory inputs during dynamic orofacial force production: A developmental perspective*. Invited poster session at the 8th Annual NIDCD-Sponsored Research Symposium: Infant-Toddler Development. Convention for the American Speech-Hearing Language Association, San Antonio, TX.

Biswas, A., Barlow, S.M., Andreatta, R.D., Forrest, K.M. & Murray, L.L. (1998, November). *Orofacial mechanical sensorimotor performance in Parkinson's disease: Effects of task density in time and space*. Poster session at the 28th Annual Meeting of the Society for Neuroscience, Los Angeles, CA.

Biswas, A., Barlow, S.M., Andreatta, R.D., & Forrest, K.M. (1997, November). *Orofacial mechanical frequency detection and intensity coding in Parkinson's disease*. Poster session at the 27th Annual Meeting of the Society for Neuroscience, New Orleans, LA.

Finan, D.S., Barlow, S.M., Andreatta, R.D., & Biswas, A. (1996, March). *Entrainment of centrally patterned orofacial movements in humans*. Paper presented at the 8th Biennial Conference on Motor Speech, Amelia Island, FL.

Finan, D.S., Barlow, S.M., Diedrich, F.J., Thelen, E. & Andreatta, R.D. (1996, November). *Dynamic loading of the lower limb during spontaneous leg kicks in human infants: Data*. Poster session at the 26th Annual Meeting for the Society of Neuroscience, Washington, D.C.

Barlow, S.M., Finan, D.S., Konopacki, R., Biswas, A., Thelen, E., Diedrich, F.J., & Andreatta, R.D. (1996, November). *Dynamic loading of the lower limb during spontaneous leg kicks in human infants: A new method*. Poster session at the 26th Annual Meeting for the Society of Neuroscience, Washington, D.C.

Barlow, S.M., Andreatta, R.D., Finan, D.S., Biswas, A., & Bradford, P.T. (April, 1995). *R1 modulation during static and dynamic force control in the perioral motor system*. Poster session at the Society for the Neural Control of Movement, Key West, FL.

Barlow, S.M., Finan, D.S., Andreatta, R.D., & Biswas, A. (1994, November). *Probing the sensorimotor apparatus of the lower face*. Poster session at the Annual Convention for the American Speech-Hearing Language Association, New Orleans, LA.

Barlow, S.M., Finan, D.S., Bradford, P.T. & Andreatta, R.D. (1993, March). *Probing the sensorimotor apparatus of the human face*. Poster session at the Conference on Speech Motor Control, Saybrook Point, CT.

Barlow, S.M., Bradford, P.T., Finan, D.S., & Andreatta, R. (April, 1992). *Mechanically evoked perioral reflexes in infants, children, and adults*. Paper presented at the 6th Biennial Conference on Motor Speech, Boulder, CO.

D. Grant Activity:

Title: Multidisciplinary Training in Developmental Process, Indiana University. NIH sponsored pre-doctoral training award

Award Date: 1996-1998

Amount Awarded: full-time tuition remission plus stipend
Role: Pre-doctoral Trainee

Title: Learning Technology Grant, Committee for Applied Instructional Technologies, Office of Instructional Support and Development, The University of Georgia.

Award Date: October 26, 2001

Amount Awarded: \$62,710

Role: PI

Title: Early Career Faculty Grant, College of Education, Office of Research Development & Outreach, The University of Georgia.

Award Date: November 1, 2001

Amount Awarded: \$5,500

Role: PI

Title: National Institute of Deafness and Other Communication Disorders Conference Fellowship , The National Institutes of Health, Bethesda, Md.

Award Date: February 1, 2001

Amount Awarded: \$1,200

Role: Fellow

Title: Faculty Research Grant, The University of Georgia Research Foundation

Award Date: December, 2002

Amount Awarded: \$5,300

Role: PI

Title: R13 Conference Grant, National Institutes of Health, National Institutes of Deafness and Other Communication Disorders

Submission Date: Aug 2007

Amount Requested: \$30,000

Role: Co-PI (*Thibeault, Bless, Andreatta, & Stemple*)

Score: 193 – Funded.

Title: R01 Research Grant, National Institutes of Health, National Institutes of Deafness and Other Communication Disorders

Submission Date: October 2008

Amount Requested: \$2,000,000 (total requested directs and indirects)

Role: Multiple PI's (*Andreatta, Stemple, & Jiang*)

Score: Unfunded – Resubmission for July 2009

E. Supervision of student research

Master's Theses Committee Service

- Member of 4 Master's students' committees (Univ of Georgia - completed b/w 2001 - 2004).
- Member of 2 Master's students' committees (Univ of Kentucky)

Dissertation Committee Service

- Current member of doctoral committees in progress:
 - Ashwini Joshi (doc student – committee member)
 - Nicole Etter (doc student – CSD – Committee Chair)
 - Matt Hoch (doc student – PT – Committee Co-Chair)
- Member of completed doctoral dissertation committees:
 - Lisa Hammett (Ph.D. defense - Aug 2004)
 - Jason Davidow (Ph.D. defense - Aug 2007)
 - Lisa Thomas (Ph.D. defense - March 2008)
 - Jessica Richardson (Ph.D. defense – July 2009)

F. Editorship or editorial board member of journals or other learned publications

- Editor of *Perspectives on Speech Science and Orofacial Disorders*. (2008 to Present). Biannual publication of Special Interest Division 5 (Speech Science and Craniofacial Disorders). American Speech-Language-Hearing Association.
- Editorial Board Member, Special Interest Division 5 (Speech Science and Craniofacial Disorders) biannual publication, *Perspectives on Speech Science and Orofacial Disorders*. American Speech-Language-Hearing Association (2006 – 2008).

INSTRUCTION**Graduate and Undergraduate Courses Taught at the University of Kentucky**

- **CD 378 –Anatomy & Physiology of Speech** (3 hrs) – 2006 - Present
- **CD 571 – Neural Bases of Speech** (3 hrs) – 2006 – Present
- **CD 589 – Neuroimaging in Communication Sciences** (undergrad seminar) – 2009
- **CD 788 - Vocal Tract Assessment** (1 hr) – 2008
- **CD 788 – Neuroplasticity for the SLP** (1 hr) - 2009
- **CD 789 – Neuroscience Principles of Sensorimotor Control** (var graduate seminar)
- **RHB 710 – Neuroplasticity in Rehabilitation Sciences** – 2006 – Present
- **RHB 720 – Research Designs in Rehab Sciences** – 2009 - Present
- **RHB 788 – Topical Independent Studies** (doctoral seminar)
 - Head & Neck Anatomy - Dissection Lab
 - Principles of Neuroscience: Neurobiology and Systems

Graduate and Undergraduate Courses Taught at The University of Georgia

- **CMSD 4120 – Speech Anatomy & Physiology** (3 hrs) – 2000 - 2005
- **CMSD 4140 - Speech & Voice Sciences** (3 hrs) – 2001 - 2006
- **CMSD 4800 / 6800 – Communication Neuroscience** (3 hrs) – 2000 - 2005
- **CMSD 6750 – Voice & Resonance** (3 hrs) – 2000 - 2004
- **CMSD 6750 – Voice Disorders & Instrumentation** (4 hrs) – 2005 - 2006

Directed & Independent Studies Taught at The University of Georgia

- **CMSD 4000 – Applications & Research Practicum in Speech Physiology** (1-3 hrs) (undergraduate seminar)
- **CMSD 6000 – Principles of Communication Neuroscience** (doctoral seminar)
- **CMSD 6000 – Special Topics in Perceptual and Cognitive Neuroscience** (var) (doctoral seminar)
- **CMSD 6000 – Seminar in Speech Motor Control and Sensory Physiology** (var) (doctoral seminar)
- **CMSD 6000 – Principles of Neuroimaging (fMRI and PET) and Related Findings in the Stuttering Literature** (var) (doctoral seminar)
- **CMSD 6000 – Signals, Systems, and Electrical Instrumentation** (var) (doctoral seminar)

Academic Advising at The University of Georgia

- Academic advisor to 14 Master's students in Communication Sciences Program

SERVICE TO THE PROFESSION AND ACADEMIC COMMUNITY**University/College/Department Committees at the University of Kentucky**

- University of Kentucky Faculty Senate – member – 2008 - 2011
- CHS Faculty Council - Chair – 2008-2009
- CHS Educational Enhancement Committee – Development and Awards – 2008.
- University of Kentucky - W.C. Parker Scholarship Review Committee – 2007 - Present
- Div of CSD – Comprehensive Exam Review Committee - 2007
- Div of CSD – Outreach Conference Committee - 2007
- Dept of RHB - Two & Four Year Review Committee – Chair – 2007-08
- CHS Faculty Council - Chair-Elect – 2007-2008
- CHS Faculty Council – Member - 2007 - 2010
- Dept of RHB - Two & Four Year Review Committee – Member – 2006-07
- Rehab Sciences Doctoral Program – Curriculum Committee – Tracks Work Group – Sept 2006 – Present
- Rehab Sciences Doctoral Program – Curriculum Committee – Research Work Group – Sept 2006 – Present
- Faculty Mentor for Undergraduate Writing Initiative Program – August 2006 - Present

University/College/Department Committees at The University of Georgia

- UGA Biomedical & Health Sciences Institute – Neurosciences Program Curriculum Committee – 2005 - 2006
- University Council - University Libraries Committee – Fall 2004 through Spring 2006
- UGA Honors Program Freshman Faculty Mentor – 2002 through 2005.
- College of Education Technology Strategic Planning Committee – Summer 2005 through Fall 2005
- College of Education Student Technology Fees Committee – Spring 2005
- College of Education Research Advisory Board – 2002 – 2003
- Comm. Sci. Comprehensive examination committee – 2001 - Present
- Comm. Sci. Graduate Admission Committee – Spring 2002, 2003, 2005, 2006
- Comm. Sci. Tenure Mentoring Committee – Summer 2004 through Spring 2005
- Comm. Sci. Merger Transition Writing Group – Spring 2004
- Comm. Sci. Curriculum Committee – 2002-2003
- Comm. Sci. Academic Faculty Merit Criteria Committee – Fall 2002 (Chair)
- Comm. Sci. Faculty Search Committees – 2001-2002
- Comm. Sci. Technology Acquisitions Committee – 2001
- Comm. Sci. Weber Scholarship Committee – 2001

National Program and Convention Committees

- Chairperson for the *Speech Sciences Topic Committee* for the 2006 American Speech-Language-Hearing Association Annual Convention National Program Committee
- Member of 2008 American Speech-Language-Hearing Association Annual Convention Program Committee: *Speech Sciences Topic Section*.
- Member of 2005 American Speech-Language-Hearing Association Annual Convention Program Committee: *Speech Sciences Topic Section*.
- Member of 2001 American Speech-Language-Hearing Association Annual Convention Program Committee: *Speech Sciences Topic Section*.

Ad Hoc Review Services

2007

- Ad hoc reviewer for Experimental Brain Research
- Ad hoc reviewer for Brain Research
- Ad hoc book reviewer for Thieme Publishing Co.
- Ad hoc reviewer for SID 5 Perspectives

2006

- Ad hoc book reviewer for Allyn & Bacon Publishing Co.
- Ad hoc reviewer for Communicative Disorders Review
- Ad Ad hoc reviewer for Aphasiology

2005

- Ad hoc book reviewer for Blackwell Publishing Co.
- Ad hoc reviewer for Neuroscience Letters
- Ad hoc reviewer for Journal of Speech-Hearing-Language Research

2004

- Ad hoc reviewer for American Journal of Speech-Language Pathology
- Ad hoc book reviewer for Allyn & Bacon Publishing Co.
- Ad hoc book reviewer for Lippincott, Williams, & Wilkins.

2002

- Ad hoc book reviewer for Singular Publishing Group.
- Ad hoc reviewer for Journal of Speech-Hearing-Language Research

2001

- Ad hoc book reviewer for Fitzgerald Publishing Group.

1999

- Ad hoc book reviewer for Allyn & Bacon Publishing Co.

RECOGNITION AND OUTSTANDING ACHIEVEMENTS

- Finalist for 2008 University of Kentucky *Provost's Outstanding Teaching Award*.
- *Lilly Teaching Fellowship Award*, The University of Georgia, 2002-2004.
- Voted *Teacher of the Year for 2004-2005* by the local chapter of the National Student Speech-Language-Hearing Association, The University of Georgia.
- Voted *Teacher of the Year for 2001-2002* by the local chapter of the National Student Speech-Language-Hearing Association, The University of Georgia.
- Institute for Behavioral Research Mentoring Fellow, The University of Georgia, 2002-2005.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Society for Neuroscience

- Society for the Neural Control of Movement
- American Speech-Language-Hearing Association