

CURRICULUM VITAE

Toby Macrae, Ph.D., CCC-SLP

Assistant Professor
The Florida State University
School of Communication Science and Disorders
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Education

Doctor of Philosophy in Speech Pathology	University of Nevada School of Medicine Department of Speech Pathology and Audiology Advisors: Ann A. Tyler, Ph.D. and Kerry E. Lewis, Ph.D. Dissertation Title: <i>The relation between error variability and stimulability in children with SSD</i>	2009
Master of Speech and Language Therapy	University of Canterbury, Christchurch, New Zealand Department of Communication Disorders Advisor: Michael P. Robb, Ph.D. Thesis Title: <i>Acoustic analysis of word and segment duration and variability in speech-impaired and normally-developing children</i>	2005
Bachelor of Speech and Language Therapy	University of Canterbury, Christchurch, New Zealand Department of Communication Disorders	2001

Professional Experience

Fall 2010 – Present	Assistant Professor The Florida State University School of Communication Science and Disorders
Summer 2007, 2008, 2009	Clinical Supervisor Department of Speech Pathology and Audiology, University of Nevada School of Medicine Supervision of graduate student clinicians in the evaluation of communication disorders in preschool- and school-aged children Supervision of graduate student clinicians in the assessment and treatment of communication disorders in preschool- and school-aged children and in adults
Summer 2007	Research Assistant Department of English, University of Nevada, Reno Acoustic analysis of speech in adult speakers of American English
Summer 2006	Research Assistant Department of Speech Pathology and Audiology, University of Nevada School of Medicine Acoustic analysis of speech in children with speech sound disorders

Mar. – July 2005	Clinical Supervisor Department of Communication Disorders, University of Canterbury Supervision of student clinicians providing speech-language services for preschool- and school-aged children with communication disorders
Apr. – Jun. 2005	Speech-Language Pathologist Department of Communication Disorders, University of Canterbury Administered evaluations for clients referred to the University of Canterbury Campus Speech and Hearing Clinic
2004 – 2005	Speech-Language Pathologist Provision of services for private school-aged clients with communication disorders
2004 – 2005	Research Assistant Department of Communication Disorders, University of Canterbury Acoustic analysis of speech in children with cleft palate
Jan. 2002 – Jan. 2004	Speech-Language Pathologist Ministry of Education, Lower Hutt, New Zealand Provision of services for preschool- and school-aged children with communication disorders
2000 – 2001	Research Assistant Department of Communication Disorders, University of Canterbury Acoustic analysis of speech in adult speakers of New Zealand English and New Zealand Maori Data collection from adult speakers of New Zealand English

Professional Certification

Certificate of Clinical Competence (CCC-SLP), American Speech-Language-Hearing Association
(present)

License to practice Speech-Language Pathology in the State of Florida

Professional Affiliations

American Speech-Language-Hearing Association

Research Interests

Speech Sound Disorders in Children:

- Early identification and intervention
- Subgroups
- Underlying speech sound knowledge
- Word and phoneme variability
- Speech motor performance
- Genetic bases of speech sound disorders

Experimental Phonetics:

- Acoustic characteristics of speech in children with speech sound disorders
- The evolution of phonological systems in different languages of the world

Publications

- Tyler, A. A., Gillon, G., Macrae, T., & Johnson, R. L. (2011). Direct and indirect effects of stimulating phoneme awareness vs. other linguistic skills in preschoolers with co-occurring speech and language impairments. *Topics in Language Disorders, 31*(2), 128-144.
- Macrae, T., Robb, M. P., & Gillon, G. T. (2010). Acoustic analysis of word and segment duration in children with speech sound disorder. *Asia Pacific Journal of Speech, Language, and Hearing, 13*(2), 77-86.
- Tyler, A. A., & Macrae, T. (2010). Stimulability: relationships to other characteristics of children's phonological systems. *Clinical Linguistics & Phonetics, 24*(4-5), 300-310.
- Fridland, V., & Macrae, T. (2008). Patterns of /uw/, /u/, and /ow/ fronting in Reno, Nevada. *American Speech, 83*(4), 432-454.

Presentations

- Macrae, T. (2011, March). *Developmental phonological disorders and treatment approaches*. Invited presentation at The 2011 North Florida Conference on Communication Disorders, Tallahassee, FL.
- Macrae, T., & Tyler, A. A. (2010, November). *Exploring error variability, severity and error patterns*. Poster presented at the Annual Convention of the American Speech-Language-Hearing Association, Philadelphia, PA.
- Macrae, T., Tyler, A. A., & Lewis, K. E. (2009, November). *Relation between error variability and stimulability in children with SSD*. Poster presented at the Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.
- Macrae, T., Tyler, A. A., & Morrissey, A. (2007, November). *Speech motor performance in subgroups of children with SSD*. Poster presented at the Annual Convention of the American Speech-Language-Hearing Association, Boston, MA.
- Fridland, V., & Macrae, T. (2007, October). *Patterns of uw, U, and ow fronting in Reno, Nevada*. Poster presented at the New Ways of Analyzing Variation (NWAV 36) Conference, Philadelphia, PA.
- Macrae, T., Robb, M. P., & Gillon, G. T. (2005, November). *Speech segment durations in normal and speech impaired children*. Poster presented at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA.
- Macrae, T., Robb, M. P., & Gillon, G. T. (2005, April). *Speech segment durations in normal and speech impaired children*. Poster presented at the Canterbury Conference on Communication Disorders, Christchurch, New Zealand.
- Robb, M. P., & Macrae, T. (2004, November). *A phonetic record of prelinguistic development*. Poster presented at the Annual Convention of the American Speech-Language-Hearing Association, Philadelphia, PA.

Teaching Experience

The Florida State University

1. SPA 4112 Clinical Phonetics, Spring 2011, Instructor

Phonetic transcription of vowels and consonants at the levels of isolation, syllables, words, phrases, and connected speech

2. SPA 5204 Articulation and Phonological Disorders, Fall 2010, Instructor

Integration of current phonological theory with best practices in evaluation and treatment of children with speech sound disorders

University of Nevada School of Medicine

1. SPA 301 Survey of Speech Pathology and Audiology, Spring 2008, Co-instructor

Introduction to speech-language processes and disorders and discussion of cultural and linguistic influences

2. SPA 660/661 Advanced Speech Pathology: Phonological and Articulation Disorders, Fall 2007, Co-instructor

Integration of current phonological theory with best practices in evaluation and treatment of children with speech sound disorders

3. SPA 340 Speech and Language Development, Fall 2007, Guest Lecturer, and Fall 2006, Guest Lecturer

Typical speech-language development in children from infancy through the elementary school years

4. SPA 757 Experimental Phonetics, Spring 2007, Instructor, and Spring 2006, Guest Lecturer

Acoustic characteristics of speech production and perception and instrumentation for speech analysis

5. SPA 362 Introduction to Audiology, Fall 2005, Guest Lecturer

Physics of sounds, anatomy and physiology of the ear, medical and surgical aspects of hearing loss, basic audiometric techniques, and hearing conservation

Clinical Supervision

- Summer 2007 – Summer 2009 Department of Speech Pathology and Audiology, University of Nevada School of Medicine
- Supervision of graduate student clinicians in the evaluation of communication disorders in preschool- and school-aged children
 - Supervision of graduate student clinicians in the assessment and treatment of communication disorders in preschool- and school-aged children and in adults

Fall 2005 – Summer 2007 Department of Speech Pathology and Audiology, University of Nevada School of Medicine
Co-supervision of graduate student clinicians in the evaluation of communication disorders in preschool- and school-aged children
Co-supervision of graduate student clinicians in the assessment and treatment of communication disorders in preschool- and school-aged children and in adults

Feb. 2004 – July 2005 Department of Communication Disorders, University of Canterbury
Supervision of student clinicians in the assessment and treatment of communication disorders in preschool- and school-aged children

Honors and Awards

Summer 2011 First Year Assistant Professor Grant
Council on Research and Creativity, The Florida State University

Fall 2005 – Summer 2009 Graduate Assistantship
Department of Speech Pathology and Audiology, University of Nevada School of Medicine
Responsibilities include research, teaching, and clinical supervision

2008 – 2009 Glen E. Whiddett Biomedical Graduate Student Scholarship
University of Nevada School of Medicine

2007 Student Research Travel Award: Annual Convention of the American Speech-Language-Hearing Association, Boston, MA.

1997 Rose Hellaby Bursary Scholarship
University of Canterbury

1996 – 2001, 2004 – 2005 Manaaki Tauria Grant
University of Canterbury