

Jennifer Paulovicks McCullagh

*Department of Communication Disorders
Southern Connecticut State University
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Education

Ph.D., Communication Sciences, Concentration in Neuroscience
University of Connecticut, Storrs, CT., 2009

Au.D., Audiology
University of Connecticut, Storrs, CT., 2009

Bachelor of Arts, Communication Sciences
University of Connecticut, Storrs, CT., 2003

Licensure & Professional Affiliations

American Academy of Audiology, *Fellow*

American Speech-Language-Hearing Association, *CCC-A, Member*

American Auditory Society, *Member*

Connecticut Speech-Language-Hearing Association, *Member*

State of Connecticut, *Licensed Audiologist*

Professional History

Southern Connecticut State University, Dept. Communication Disorders, New Haven, CT

Associate Professor, August 2014 – present

Tenure granted, August 2014

Assistant Professor, tenure-track, August 2010 – August 2014

Assistant Professor, 1 year position, August 2009 – August 2010

Graduate Courses:

-Central Auditory Processing Disorders (CAPD)

-Research Methods in Communication Disorders

Undergraduate Courses:

-Speech Science

-Introduction to Audiology

-Introduction to Hearing Science

-Anatomy and Physiology of the Speech Mechanism

Audiologist, August 2010 – present

Population: Pediatric and adult

Direct the central auditory processing clinic at the Center for Communication Disorders (CCD) at SCSU. Conduct central auditory processing evaluations utilizing both behavioral and electrophysiological measures. Consult with outside professionals and school systems.

Develop therapeutic intervention plans and monitor progress. Supervise graduate student clinicians.

University of Connecticut, Communication Disorders Dept., Storrs, CT
Gratis Research Specialist, September 2009 – May 2012

Southern Connecticut State University, Dept. Communication Disorders, New Haven, CT

Adjunct Professor, July 2009 – August 2009

Course:

- Central Auditory Processing Disorders

University of Connecticut, Communication Disorders Dept., Storrs, CT
Graduate Assistant, August 2004 – May 2009

Courses:

- Structure and Function of the Vestibular System (Lab Coordinator)
- Anatomy and Physiology of the Auditory System
- Introduction to Communication Disorders
- Introduction to Public Speaking
- Introduction to Clinical Phonetics

Research Experience

Research in Auditory Processing (RAP) Team, Southern Connecticut State University, New Haven, CT

Co-investigator: Dr. Richard Zipoli, 2015 – present

- Mentor undergraduate and graduate students on research projects.

Research projects may be related to on-going faculty research or independent student research for thesis projects.

Team Project

- The relationship between auditory processing and phonological awareness assessments in children and adolescents.

APD Lab, Southern Connecticut State University, New Haven, CT
2009 – present

Current Projects:

- The Relationship between Auditory Processing and Speech and Language Abilities in Children and Adolescents, Spring 2012 – present
- Auditory Processing and Hearing in Noise abilities in Older and Younger Adults with and without Hearing Loss, Fall 2014 - present
- The Efficacy of the Dichotic Interaural Intensity Difference Training in Individuals with Aphasia, Spring 2012 – present
- Central Auditory Processing Abilities in Individuals with Aphasia, Spring 2011 – present
- Efficacy of Formal Auditory Training for Individuals with Central Auditory Processing Disorders, Fall 2011 – present

Past Projects:

- The Effects of Noise on N1, P2, and P3 in Older Adults with Hearing Impairment, Spring 2011 – Spring 2014
- Impact of Noise on Late Auditory Evoked Potentials of Monolingual and Bilingual Speakers. Summer 2011 – Fall 2013
- The Effects of Aging on Hearing in Noise Abilities: A Late Auditory Evoked Potential Study, Spring 2010 – Fall 2013

Neuroaudiology Lab, University of Connecticut,
Storrs, CT Principal Investigator: Dr. Frank Musiek
Member, 2003 – May 2012

- Conducted research related to hearing in background noise, plasticity in the central auditory nervous system following amplification, the endogenous/exogenous components of the auditory P300, and the effects of masking on the Gaps-in-Noise (GIN) test.
- Extensive experience with auditory evoked potentials including auditory brainstem response (ABR), middle latency response (MLR), late auditory evoked potentials (N1, P2, and P3)
- Strong background in behavioral measures of central auditory processing

Creare Inc, Hanover, NH
Research Consultant, 2007-2009

Goal- Investigate the clinical utility of a laptop auditory screening system developed by Creare with the intentions of marketing its use in third-world countries.

Projects:

- Bekesy-like audiometry: A new approach, 2007-2009
- The effects of probe position on distortion product otoacoustic emissions, 2007- 2008
- Clinical utility of the auditory brainstem response, 2007-2008

Grants

Internal Connecticut State University (CSU)- AAUP Research Grant. (2016-2017). Auditory memory abilities in children evaluated for Central Auditory Processing Disorders. P.I. Jennifer McCullagh. \$5,000.00

Southern Connecticut State University Faculty Creative Activity Research Grant. (2016-2017). The relationship between central auditory processing and auditory memory abilities. \$2,500.00.

Southern Connecticut State University Faculty Creative Activity Research Grant. (2014-2015). Auditory processing abilities in individuals with aphasia. \$2,500.00.

Connecticut State University (CSU)- AAUP Research Grant. (2013). The efficacy of auditory training on auditory processing abilities in individuals with aphasia. P.I. Jennifer McCullagh. Co-investigator Mary Purdy. \$8,258.50.

Southern Connecticut State University Faculty Creative Activity Research Grant. (2012-2013). Speech and language abilities in children and adolescents with Auditory Processing Disorders. \$2,500.00.

Connecticut State University (CSU)-AAUP Research Grant. (2011). Impact of noise on late auditory evoked potentials in monolingual and bilingual speakers. P.I. Deborah Weiss; Co-Investigators James Dempsey & Jennifer McCullagh. \$14,250.00.

Honors & Awards

Sabbatical Leave, Fall 2016

Southern Connecticut State University Junior Faculty Research Fellowship, 2013

Publications

Journal Articles (refereed)

Purdy, M. & McCullagh, J. (submitted). Dichotic listening training for auditory processing disorders in aphasia: A pilot study. *American Journal of Speech-Language Pathology*.

Shinn, J., & McCullagh, J. (in press). Auditory P300 response in noise in younger and older adults. *Journal of the American Academy of Audiology*.

McCullagh, J., & Palmer, S. (2017). The effects of auditory training on dichotic listening: A neurological case study. *Journal of Hearing, Balance, and Communication*, 15(1), 30 – 37.

McCullagh, J. & Shinn, J. (2013). Auditory cortical processing in noise in younger and older adults. *Journal of Hearing, Balance, and Communication*, 11(4), 182 – 190.

McCullagh, J., Musiek, F., & Shinn, J. (2012). Auditory cortical processing in noise in normal-hearing young adults. *Audiological Medicine*, 10(3), 114-121.

Book Chapters

McCullagh, J. & Dilaj, K. (2018). Diagnostic and treatment outcomes for an adolescent with left functional hemispherectomy. In M. Valente & M. Valente (Eds), *Adult audiology casebook* (2nd ed.). New York: Thieme Medical.

McCullagh, J. & Bamiou, D.E. (2013). Measures of binaural interaction. In F.E. Musiek & G. Chermak (Eds), *Handbook of (Central) Auditory Processing Disorders: Auditory neuroscience and diagnosis, Vol. 1* (2nd ed., pp. 435 - 471). San Diego: Plural Publishing.

McCullagh, J. & Weiss, D. (2013). Deaf-blind. In F. Volkmar (Ed.). *Encyclopedia for Autism Spectrum Disorders*. New York: Springer.

McCullagh, J. (2013). Auditory acuity; Auditory brainstem response; Auditory system; Brainstem audiometry; Cochlea; Deafness; Dichotic listening; Hearing; Otitis media; Pediatric Speech Intelligibility test; Screening Test for Auditory Processing Disorders. In F. Volkmar (Ed.). *Encyclopedia for Autism Spectrum Disorders*. New York: Springer.

McCullagh, J., Nagle, S., Morse, D., & Musiek, F. (2012). The auditory system and its interactions with the visual system. In W. Padula (Ed.), *Neuro-visual processing rehabilitation: An interdisciplinary approach*. Santa Ana, CA: Optometric Extension Program Foundation.

Journal Articles (non-refereed)

McCullagh, J. & Purdy, M. (2013, Summer). Hearing is a two-way street. *Stroke Connection*, 7.

Professional Presentations

Purdy, M. & **McCullagh, J.** Dichotic listening training for auditory processing disorders in aphasia: A pilot study. Clinical Aphasiology Conference, Snowbird, UT, June 1, 2017.

Palmer, S. & **McCullagh, J.** Auditory processing performance, intelligence, and language scores in children. American Academy of Audiology, Indianapolis, IN, April 6, 2017.

Misencik, L., **McCullagh, J.**, Gauthier, K., Nawalaniec, M., Spadory, R., & Zipoli, R. Relationships between auditory processing and language abilities in children with dyslexia and reading difficulties. American Speech-Language-Hearing Association, Philadelphia, PA, November 19, 2016.

McCullagh, J. & Purdy, M. Dichotic Interaural Intensity Difference (DIID) training for individuals with auditory processing disorders following stroke. American Speech-Language-Hearing Association, Philadelphia, PA, November 18, 2016.

Purdy, M. & **McCullagh, J.** The impact of dichotic listening training on auditory comprehension in aphasia. Annual Meeting of the International Neuropsychological Society, Boston, MA, February 6, 2016.

McCullagh, J. & Purdy, M. Dichotic listening training for auditory processing deficits in aphasia. Annual Meeting of the International Neuropsychological Society, Denver, CO, February 7, 2015.

McCullagh, J. Dichotic listening and hearing in noise abilities in individuals with neurological impairment. American Speech-Language-Hearing Association, Orlando, FL, November 20, 2014.

McCullagh, J. & Palmer, S. The Effectiveness of the Dichotic Interaural Intensity Difference (DIID) training: Case studies. American Speech-Language-Hearing Association, Chicago, IL, November 15, 2013.

Palmer, S. & **McCullagh, J.** Effects of auditory training on auditory processing in an individual with mild fluent aphasia. American Academy of Audiology, Anaheim, CA, April 5, 2013.

McCullagh, J., & Newman, D. Relationship between auditory processing and speech and language abilities in children. American Speech, Language, and Hearing Association, Atlanta, GA, November 16, 2012.

McCullagh, J., & Shinn, J. Auditory late potentials in noise in younger and older adults. Global Perspectives on CAPD conference, Boston, MA, March 31, 2012.

McCullagh, J., & Shinn, J. Auditory cortical processing in noise in younger and older adults. American Academy of Audiology, Boston, MA, March 30, 2012.

Thesis & Dissertation Committees

Misencik, L. Relationships between auditory temporal processing, language, and reading abilities in school-aged children. Graduate Thesis, Primary Advisor, Southern Connecticut State University, April 2017.

Zhitomi, A. The effectiveness of animal assisted therapy and on social interaction and communication of in children with Autism Spectrum Disorders. Honor's Thesis, Second Reader, Southern Connecticut State University, April 2017.

Brick, N. The use of ultrasound in treating children with persisting speech sound errors. Master's Thesis, Second Reader, Southern Connecticut State University, December 2012.

Mentored Student Research

Misencik, L. The relationship between auditory temporal processing, language, and reading abilities in children. J. McCullagh & R. Zipoli (Mentors). SCSU Graduate Student Research and Creativity Conference, New Haven, CT. May 9, 2017.

Nawalaniec, M. & Gauthier, K. Phonological awareness intervention for an individual with a left hemispherectomy: A case study. R. Zipoli & J. McCullagh (mentors). SCSU Graduate Student Research & Creative Activity Conference. New Haven, CT. May 9, 2017.

Ciambriello, A. & Misencik, L. The relationship between dichotic listening, language and reading abilities in children. J. McCullagh & R. Zipoli (Mentors). SCSU Undergraduate Student Research and Creativity Conference, New Haven, CT. April 8, 2017.

Spadory, R. Phonological awareness intervention for a young man without a left hemisphere: A case study. R. Zipoli & J. McCullagh (mentors). SCSU Undergraduate Student Research and Creativity Conference. New Haven, CT. April 8, 2017.

Ciambriello, A. The relationship between dichotic listening, language and reading abilities in children. J. McCullagh (mentor). SCSU Undergraduate Research Grant, Spring 2017.

Gauthier, K. & Nawalaniec, M. Relationship between central auditory processing, language, and reading abilities in children. R. Zipoli and J. McCullagh (Mentors). SCSU Undergraduate Student Research and Creativity Conference, April 23, 2016.

Misencik, L. The relationship between auditory processing and language abilities in Dyslexia. J. McCullagh (Mentor). SCSU Graduate Research Fellowship, Spring 2016. (unfunded)

Nawalaniec, M. The relationship between dichotic listening, speech-in-noise, and speech-language abilities in children. J. McCullagh (mentor). SCSU Undergraduate Research Grant, 2015-2016. (Honorable mention).

Invited Presentations

McCullagh, J. The effectiveness of the Dichotic Interaural Intensity Difference (DIID) training in individuals with dichotic listening deficits. 8th Annual Leadership Conference, University of Massachusetts, Amherst, MA, March 13, 2015.

McCullagh, J. Hearing loss, hearing aids and more! Yale LIFE Study, Wallingford, CT, April 25, 2013.

McCullagh, J. Hearing loss, hearing aids and more! Yale LIFE Study, Albertus Magnus College, New Haven, CT, February 5, 2013.

Seminars & Workshops

Musiek, F. & McCullagh, J. (Central) Auditory Processing Disorders Boot Camp. Storrs, CT, July 29 – 31, 2013.

Committee & Service Involvement

University

Research and Scholarship Advisory Committee, *Secretary* (Fall 2014 – present)

- Undergraduate Research Grant Subcommittee (Spring 2016)
- Mid-Faculty Research Award Subcommittee (Fall 2014 – Fall 2015)
- Conversations in the Disciplines Subcommittee (Fall 2014 – Fall 2015)

SCSU Graduate Council (Fall 2011 – Spring 2015)

- Graduate Curriculum Committee (Fall 2011 – Spring 2015)
- Ad Hoc Committee on Doctoral Programs (Fall 2014 – Fall 2015)

GSGA/GRF Committee (Spring 2013)

SCSU Undergraduate Curriculum Forum (Fall 2009)

- Notification Management Committee

School

HHS Building Committee (Fall 2014 – Spring 2015)

Department

Department Search Committee (Fall 2015 – present)

Interim Graduate Program Director (Spring 2015)

Department Evaluation Committee (Fall 2014 – Spring 2016)

Department Curriculum Committee (Fall 2013 – present)

Graduate Admissions Committee, *Chair* (Fall 2013 – present)

Graduate Admissions Committee, *Member* (Spring 2011 – Spring 2013)

Department Assessment Committee (Spring 2015)

Ad Hoc Graduate Assistantship Committee (Spring 2015 – Spring 2016)

Department Personnel Committee, *Chair* (Fall 2012 – present)

Sabbatical Leave Committee (Fall 2010 – present)

AAUP Liaison (Fall 2009 – Spring 2014)

Honors College Liaison (Fall 2009 – present)

Professional Organization Service

Reviewer, Journal of the American Academy of Audiology, 2017

Program Committee, 2nd Central Auditory Processing Disorder Global Conference, Orlando, FL, March 28 – 29, 2014.

Research and Clinical Posters Subcommittee, American Academy of Audiology Convention, Orlando, FL, March 26 – 29, 2014.

Reviewer, Journal of the American Academy of Audiology, 2013

Reviewer, International Journal of Audiology, 2013.

Featured Sessions Subcommittee, American Academy of Audiology
Convention, Boston, MA, March 28 – 30, 2012.

Community Service Involvement

Career Day, Booth Hill School, Shelton, CT. April 28, 2017

Hearing Screenings, Week of Wellness, SCSU Health and Human Services,
March, 9, 2016.

Continuing Education

ASHA Convention- 11/17/12 – 0.40 AudiologyNOW!- 3/31/12 – 1.8

ASHA Convention- 11/16/13 – 0.55 Musiek's CAPD BootCamp- 7/31/2013 – 2.5

ASHA Convention – 11/22/14 – 0.4 Speech Language Pathology & Audiology:

Research to Practice –

International Neuropsychological Convention 3/13/15 – 0.3

ASHA Convention – 11/19/16 – 1.35

International Neuropsychological Convention – 2/6/16