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UNIVERSITY

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Annual Report: *Faculty Research & Scholarship*

(January 1, 2012—December 31, 2012)

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Dean's Message

The College of Health Sciences and Professions Annual Report is a summary of the scholarship accomplished by the College during calendar year 2012. Our faculty and our students are addressing many critically important issues in their disciplines. The work described here includes bench science that helps us to better understand the nature of disease and disabling conditions, the many facets of human performance, factors that contribute to health outcomes, and community-engaged research that contributes to better lives for various populations. I invite you to read through the following pages. You will be impressed by the volume, scope, and quality of the research my colleagues in the College have undertaken.

Randy Leite, PhD

Dean

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Department and Schools

Department of Social and Public Health

This Department is distinguished by its breadth of programs addressing community health, environmental and population-level diseases, and health administration. During calendar year 2012, this Department had 20 Group I faculty, 6.6 Group II-IV, and 2 classified staff members.

Undergraduate programs

Bachelor of Science in Health (BS-H) –Community Health; Long-Term Health Care Administration; Health Services Administration
Bachelor of Science in Environmental Health (BS-EH)
Bachelor of Science in Occupational Hygiene and Safety (BS-OHS)
Bachelor of Science in Child and Family Studies (BS-CFS)
Bachelor of Arts in Social Work (BA-SW)
Bachelor of Social Work (BSW)
Interdisciplinary Certificate in Gerontology

Graduate programs

Master of Health Administration–Online (MHA)
Master of Public Health (MPH)
Master of Science in Child and Family Studies (MS-CFS)
Master of Social Work (MSW) & Advanced Standing Master of Social Work (AS-MSW)
Certificate in African Community Health Services
Certificate in Health Care Services Administration¹
Certificate in Health Policy²
Certificate of Clinical Informatics
Interdisciplinary Certificate in Gerontology

Fall term student major FTE (Fall, 2012): Undergraduate (UG) and Graduate (GR):

<i>Program Name</i>	<i>UG</i>	<i>GR</i>
Child & Family Studies	157	5
Environmental Health & Occupational Hygiene and Safety	47	0
Health Services Administration & Long Term Health Care Administration	344	367
Public Health	40	16
Social Work	139	32

Accreditation

Environmental Health (BS): National Environmental Health Science and Protection Accreditation Council (NEHSPAC), 2010-2016.
Long Term Health Care Administration (BS): National Association of Boards of Examiners for Long Term Care Administrators (NAB), 2010-2015.
Public Health (MPH): Council on Education for Public Health (CEPH), 2009-2016.
Social Work (BA, MSW): Council on Social Work Education (CSWE), 2006-2014.

¹ This certificate was discontinued at the end of AY 2011-2012.

² This certificate was discontinued at the end of AY 2011-2012.

School of Applied Health Sciences and Wellness

This School offers a set of inter-related academic degrees in exercise physiology, nutrition, and athletic training supported by two ancillary units in the College: The Atrium Café, and WellWorks. During calendar year 2012, this School had 12 Group I faculty, 6.3 Group II-IV faculty (including WellWorks and the Atrium Café), and 1 classified staff member.

Undergraduate programs

Bachelor of Science in Athletic Training (BS-AT)

Bachelor of Science in Exercise Physiology (BS-EP)

Bachelor of Science in Food and Nutrition Sciences (BS-FNS) with two tracks:

- *Nutrition*
- *Applied Nutrition*

Graduate programs

Master of Science in Athletic Training (MS-AT)

Master of Science in Physiology of Exercise (MS-EP –Clinical

Master of Science in Physiology of Exercise (MS-EP)–Research

Master of Science in Food and Nutrition Sciences (MS-FNS)

Fall term student major FTE (Fall, 2012): Undergraduate (UG) and Graduate (GR):

<i>Program Name</i>	<i>UG</i>	<i>GR</i>
Athletic Training	115	36
Exercise Physiology	409	11
Food and Nutrition Sciences	174	19

Accreditation

Applied Nutrition (formerly Dietetics) (BS): Commission on Accreditation for Dietetics Education (CADE), 2005-2015.

Athletic Training (BS; professional accreditation): Commission on Accreditation of Athletic Training Education (CAATE), 2012-2022 (site visit during 2020-2021).

Athletic Training (MS; post-professional accreditation): Commission on Accreditation of Athletic Training Education (CAATE), 2012-2016 (site visitation to occur in 2014-15).

School of Nursing

This School is comprised of a comprehensive ladder of nursing programs. The RN-to-BSN is an online program with national distribution. During calendar year 2012, on the Athens campus, this School had 9 Group I faculty, 9.1 Group II-IV faculty (including one simulation lab coordinator), and 5 classified staff members. Additional faculty, academic advisors, and classified staff members serve the online and regional campus nursing programs.

Undergraduate programs

Associate Degree in Nursing (ADN) (regional campus program)
Bachelor of Science in Nursing (BSN)
Registered Nurse-to-Bachelor of Science in Nursing (RN-to-BSN)
School Nurse License

Graduate programs

Master of Science in Nursing (MSN) with three major areas of concentration:

- *Educator*
- *Administrator*
- *Family Nurse Practitioner*

Fall term student major FTE (Fall, 2012): Undergraduate (UG) and Graduate (GR):

<i>Program Name</i>	<i>UG</i>	<i>GR</i>
RN-to-BSN (eLearning)	5,429	0
BSN (Athens)	508	0
MSN (Blended)	0	44
MSN (Graduate Outreach)	0	212

Accreditation

Nursing (AD): Accreditation Commission for Education in Nursing (ACEN), 2007-2015; and Ohio Board of Nursing (OBN), 2010-2015.

Nursing (RN-to-BSN): Commission for Collegiate Nursing Education (CCNE), 2011-2021.

Nursing (BSN): Commission for Collegiate Nursing Education (CCNE), 2011-2021; Ohio Board of Nursing, 2013-2018.

Nursing (MSN): Commission for Collegiate Nursing Education (CCNE), 2012-2022.

School of Rehabilitation and Communication Sciences

This School offers degrees in physical therapy, and communication sciences and disorders. The Physical Therapy program offers a professional doctorate, and the Communication Sciences and Disorders program offers bachelor's and master's preparation, as well as an Audiology Doctorate and Doctor of Philosophy degree. During calendar year 2012, this School had 18 Group I faculty members, 5.5 Group II-IV faculty members, and 4.5 classified staff members, some of whom staff OU Therapy Associates (offering physical therapy, and speech, language and hearing services).

Undergraduate Programs

*Bachelor of Science in Communication Sciences and Disorders (BS-CSD) [formerly Hearing, Speech and Language Sciences, BS-HSLS]
 Hearing, Speech and Language Sciences (Minor)
 Honors Tutorial Program, Hearing Speech and Language Sciences*

Graduate programs

*Doctor of Physical Therapy (DPT)
 Master of Arts in Communication Sciences and Disorders (MA-CSD) [formerly Speech-Language Pathology, MA-SLP]
 Doctor of Clinical Audiology (AuD)
 Doctor of Philosophy in Hearing Science (PhD-HS)
 Doctor of Philosophy in Speech-Language Science (PhD-SLS)
 Teacher Certification for Speech-Language Pathology*

Fall term student major FTE (Fall, 2012): Undergraduate (UG) and Graduate (GR):

<i>Program Name</i>	<i>UG</i>	<i>GR</i>
Communication Sciences and Disorders	338	97
Physical Therapy	0	125

Accreditation

Physical Therapy (DPT): Commission on Accreditation in Physical Therapy Education (CAPTE), 2009-2019.
Speech-Language Pathology (MA): Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA), 2011-2019.
Audiology (AuD): Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA), 2011-2019.

Faculty^{3,4}

(Listed alphabetically)

Emeriti⁵

- Leona Cibrowski, PhD, Associate Dean Emerita
- Sharon Denham, DSN, RN, Professor Emerita of Nursing
- Norman Garber, PhD, Professor Emeritus of Hearing, Speech and Language Sciences
- Margorie Hagerman, MS, Assistant Professor Emerita of Applied Health Sciences and Wellness
- Emily Harman, RN, MSN, Assistant Professor Emerita of Nursing
- Gary S. Neiman, PhD, Dean Emeritus
- Kathleen Fox Tennant, PhD, APRN, Assistant Professor Emerita of Nursing

Group I Faculty Members

- Matthew O. Adeyanju, PhD, MPH, CHES, FASHA, Professor (SPH) ^{RES-RET}
- Cathy Baker, PhD, RN, Assistant Professor (SON)
- Tania Basta, PhD, MPH, CHES, Associate Professor (SPH)
- Joann Benigno, PhD, Assistant Professor (RCS)
- Darlene Berryman, PhD, RD, LD Associate Professor (AHSW)
- Doug Bolon, PhD, Associate Professor (SPH)
- Mary E. Bowen, RN, DNS, JD, NEA, Professor (SON)
- Robert G. Brannan, PhD, Associate Professor (AHSW)
- Susan Bullard, PhD, Assistant Professor (AHSW) ^{RES-RET}
- Jenny Chabot, PhD, CCLS, Associate Professor (SPH)
- Gary S. Chleboun, PhD, PT, Professor (RCS)
- Tawna Cooksey-James, PhD, RN, CNE, Assistant Professor (SON)
- Jeffrey J. DiGiovanni, PhD, Associate Professor (RCS)
- Warren Galbreath, PhD, SW, Associate Professor (SPH)
- Roger Gilders, PhD, CSCS, Professor & School Director (AHSW)
- Judi Haberkorn, PhD, SW, Visiting Professor (SPH)
- Brooke Hallowell, PhD, Professor (RCS)
- Deborah E. Henderson, PhD, RN, Professor (SON)
- David H. Holben, PhD, RD, LD, Professor (AHSW)
- Cheryl Howe, PhD, CES, CSCS, CEP, Assistant Professor (AHSW)
- Gregory Janson, PhD, Associate Professor (SPH)

³ This list includes faculty members who held appointments during calendar year **2012** within those schools that remained in the new College of Health Sciences and Professions July 1, 2011 forward, as well as faculty members from the Department of Social Work who joined the college in July 1, 2011.

⁴ The acronym (in parentheses) after each name indicates the current department or school affiliation: Department of Social and Public Health (**SPH**); School of Applied Health Sciences and Wellness (**AHSW**); School of Nursing (**SON**); School of Rehabilitation and Communication Sciences (**RCS**).

⁵ Titles for Emeriti were derived from the Emeriti Directory, available from:
http://www.ohio.edu/emeriti/upload/Emeriti_Directory_September_21_2012.pdf

- Fuh-Cherng Jeng, MD, PhD, Assistant Professor (RCS)
- Teresa Julian, PhD, CNP, Associate Professor (SON)
- Joan Jurich, PhD, Associate Professor (SPH)
- Youngsun Kim, PhD, Associate Professor (RCS)
- Caroline Kingori, PhD, Assistant Professor (SPH)
- Michael Kushnick, PhD, HFS, Associate Professor (AHSW)
- Chao-Yang Lee, PhD, Associate Professor (RCS)
- Mingun Lee, PhD, SW, Assistant Professor (SPH)
- Sally A. Marinellie, PhD, Associate Professor (RCS)
- John McCarthy, PhD, Associate Professor (RCS)
- Kristen Metzler-Wilson, PhD, PT, Assistant Professor (RCS)^{RES}
- James W. Montgomery, PhD, Professor (RCS)
- Michele Morrone, PhD, RS, Associate Professor (SPH)
- Sharon Mullen, RN, PhD, Assistant Professor (SON)^{ER}
- Christina Nyirati, PhD, CNP, Assistant Professor (SON)
- Averell S. Overby, DrPH, PT, Associate Professor & School Director (RCS)
- Helmut W. Paschold, PhD, CIH, CSP, PE (TX), Assistant Professor (SPH)^{RES-RET}
- Carla Phillips, RN, PhD, Assistant Professor (SON)^{ER}
- Natalie Pope, PhD, SW, Assistant Professor (SPH)
- Brian Ragan, PhD, AT, Assistant Professor (AHSW)
- Sharon R. Rana, PhD, HFS, CSCS, Associate Professor (AHSW)
- Dennis T. Ries, PhD, Associate Professor (RCS)
- Kathleen Rose-Grippa, PhD, RN, Professor (SON)
- David Russ, PhD, PT, Assistant Professor (RCS)
- Jeffrey Russell, PhD, AT (AHSW)
- Tim Ryan, PhD, RS, CIH, Associate Professor (SPH)
- Susan Sarnoff, PhD, SW, Associate Professor (SPH)
- Alexander V. Sergeev, PhD, MD, MPH, Assistant Professor (SPH)
- Betty Sindelar, PhD, PT, Associate Professor (RCS)
- Anne Sparks, PhD, SW, Assistant Professor (SPH)^{RES-RET}
- Solveig Spjeldnes, PhD, SW, Assistant Professor (SPH)
- Charles [Chad] Starkey, PhD, AT, FNATA, Professor (AHSW)
- David V. Stretton, PHD, MBA, CPA, Assistant Professor (SPH)^{RES-RET}
- James Thomas, PhD, PT, Associate Professor (RCS)
- Jason White, PhD, Assistant Professor (AHSW)
- Richard Willy, PT, PhD, Assistant Professor (RCS)
- Li Xu, MD, PhD, Associate Professor (RCS)

Group II & IV Faculty Members

- Carole Alder, SW, LISW, Assistant Field Director, Instructor (SPH)
- RuthAnn Althaus, PhD, MPH, MBA, MSLIS, Professor (SPH)
- Marcus Barr, MS, Instructor (AHSW)
- Trina Bookman, MS, CPR/AED/IT, FA/AED/IT, WSI/IT, LG/IT, Instructor (AHSW)
- Nichole Brandes, AuD, CCC-SLP, Instructor of Audiology (RCS)

- Rebecca Bryant, MSN, Assistant Professor (SON)
- Sherlena Buchman, MSN, RN, Assistant Professor (SON)
- Michael Clevidence, MS, CSCS, Instructor (AHSW)
- Michele Courtney, PT, MBA, Instructor (RCS)
- Heather Harmon, MPH, Instructor (SPH)
- Eliza Harper, MSN, Assistant Professor (SON)
- Terri Hood-Brown, MSN, RN, Assistant Professor (SON)
- Janice Howman, DPT, MEd, Assistant Professor (RCS)
- B. Andrew Krause, PhD, AT, Assistant Professor (AHSW)
- Francis McFadden, MS, Assistant Professor (AHSW), Manager of the Atrium Café
- Eleanor Miller, PhD, RN, Assistant Professor (SON) RES-RET
- Juli L. Miller, MSHA, Instructor (SPH)
- Deborah Murray, MS, RD, LD, Assistant Professor (AHSW)
- James Odenthal, PT, MBA, Instructor (RCS)
- Freve Pace, SW, LISW, Field Director, Instructor (SPH) RES-RET
- Brian Phillips, Med, MA, Instructor (SPH)
- Tracy Pritchard, SW, LISW, University Partnership Program Coordinator, Instructor (SPH)
- Kim Resanovich, BSN, Assistant Professor (SON)
- Tamara Rhodes, BSN, MSN, FNP, Assistant Professor (SON)
- Jennifer Saffell, RN, MSN, Assistant Professor (SON)
- Sonya Saffell, RN, MSN, Assistant Professor (SON)
- Kayla Shinew, PhD, AT, Instructor (AHSW)
- Theresa Wharton, MSN, Assistant Professor (SON)
- Petra Williams, PT, MS, NCS, Assistant Professor (RCS) RES-RET
- Selena Yearwood, PhD, CNP, Assistant Professor (SON) RES-RET
- Lisa J. S. Yehl, MSHA, LNHA, Instructor (SPH)
- Jennifer Yoder, MS, RD, LD, Instructor (AHSW)

Administrative Staff / Clinical Instructors

- Larry Hess, AD (SON)
- Kristi Kinnard, MA, CCC-SLP (RCS)
- Marianne Malawista, PhD, CCC-SLP (RCS)
- Brandi Nance, AuD, CCC-A (RCS)
- Sarah Taylor, MA, CCC-SLP (RCS)
- Janice Wright, MA, CCC-SLP (RCS)

Dean's Office, Full-Time Administrators

- Randy Leite, PhD, Dean
- Jennifer Horner, PhD, JD, Associate Dean for Research and Graduate Studies

NOTES

ER—Early retiree status.

RES-RET—Resignation or retirement effective during calendar year 2012.

Research Laboratories

- Atrium Café—a Certified Green Restaurant (Fran McFadden, Director) (AHSW)
- Auditory Electrophysiology (Fuh-Cherng Jeng, Director) (RCS)
- Auditory Prosthesis Lab (Li Xu, Director) (RCS)
- Auditory Psychophysics and Signal Processing Lab (Jeffrey DiGiovanni, Director) (RCS)
- Augmentative and Alternative Communication Lab (John McCarthy, Director) (RCS)
- Biomaterials Lab (Betty Sindelar, Director) (RCS)
- Developmental Psycholinguistics Lab (James Montgomery, Director) (RCS)
- Dysphagia Lab (Youngsun Kim, Director) (RCS)
- Environmental Health/Industrial Hygiene Lab (Tim Ryan, Director) (SPH)
- Environmental Research Lab (Tim Ryan, Director) (SPH)
- Exercise Biochemistry Lab (Michael Kushnick, Director) (AHSW)
- Exercise Physiology Lab (Sharon Rana and Michael Kushnick, Co-Directors) (AHSW)
- Exercise Science Lab (Sharon Rana, Director) (AHSW)
- Food Science Lab (Robert Brannan, Director) (AHSW)
- Motor Control Lab (James Thomas, Director) (RCS)
- Muscle Physiology Lab (David Russ, Director) (RCS)
- Neurolinguistics Lab (Brooke Hallowell, Director) (RCS)
- Postural Control Lab (Averell Overby, Director) (RCS)
- School-Age Language Lab (Sally Marinellie, Director) (RCS)
- Sensory Analysis Lab (Robert Brannan, Director) (AHSW)
- Speech Processing Lab (Chao-Yang Lee, Director) (RCS)
- T.A.L.K. Lab (Joann Benigno, Director) (RCS)
- Test Kitchen (Robert Brannan, Director) (AHSW)
- Ultrasound/Muscle Imaging Lab (Gary Chleboun, Director) (RCS)
- Vicon Motion Analysis Lab (James Thomas, Director) (RCS)

Faculty Awards

(Cumulative List of Awardees and Their Program Affiliations)

COMPETITIVE GRANTS

Summer Research Award⁶

- 2011 – David Russ, Physical Therapy
- 2011 – Fuh-Cherng Jeng, Communication Sciences and Disorders
- 2012 – Rich Willy, Physical Therapy
- 2013 – Youngsun Kim, Communication Sciences and Disorders

Community-Engaged Research Award⁷

- 2013 – Cheryl Howe, Exercise Physiology

Mentored Research Award⁸

- 2012 – Jason White, Exercise Physiology
- 2012 – Rich Willy, Physical Therapy
- 2013 – Caroline Kingori, Public Health
- 2013 – Natalie Pope, Social Work

Interdisciplinary Research Award⁹

- 2012 – Darlene Berryman, Food and Nutrition Sciences
- 2013 – Michele Morrone, Environmental Health
- 2013 – Joann Benigno and Cheryl Howe, Communication Sciences and Disorders; Exercise Physiology

HONORARY AWARDS

Faculty Research and Creative Activity Award¹⁰

- 2005 – James Thomas, Physical Therapy
- 2006 – Li Xu, Hearing, Speech and Language Sciences
- 2007 – David Holben, Food and Nutrition Sciences
- 2008 – James Thomas, Physical Therapy
- 2009 – Li Xu, Hearing, Speech and Language Sciences
- 2010 – James Montgomery, Hearing, Speech and Language Sciences

⁶ Peer reviewed by the Scholarly Activity Awards Committee.

⁷ Award mechanism established in AY 2012-13; Peer reviewed by the Scholarly Activity Awards Committee.

⁸ Award mechanism established in AY 2011-12; Peer reviewed by the Scholarly Activity Awards Committee.

⁹ Award mechanism established in AY 2011-12; Peer reviewed by the Scholarly Activity Awards Committee.

¹⁰ Peer reviewed by the Scholarly Activity Awards Committee.

2011 – Darlene Berryman, Food and Nutrition Sciences

2012 – Cheryl Howe, Exercise Physiology

2013 – Michele Morrone, Environmental Health

Innovative Teaching Award¹¹

2005 – Margaret King, Human and Consumer Sciences

2006 – Mike Crauder, Recreation and Sport Sciences

2007 – Sally Marinellie, Hearing, Speech, and Language Sciences

2008 – John McCarthy, Hearing, Speech, and Language Sciences

2009 – Michele Morrone, Environmental Health

2010 – Fuh-Cherng Jeng, Hearing, Speech, and Language Sciences

2011 – Joan Jurich, Child and Family Studies

2012 – Juli Miller, Public Health

2013 – No award

Lee Cibrowski Advising and Mentoring Award¹²

2010 – Darlene Berryman, Food and Nutrition Sciences

2011 – Sally Marinellie, Hearing, Speech, and Language Sciences

2012 – Doug Bolon, Health Administration

2013 – Tania Basta, Public Health

Outstanding Teacher Award¹³

2008 – Petra Williams, Physical Therapy

2009 – Matthew Adeyanju, Public Health

2010 – Youngsun Kim, Hearing, Speech and Language Sciences

2011 – Chris Nyirati, Nursing

2012 – Petra Williams, Physical Therapy

2013 – Youngsun Kim, Communication Sciences and Disorders

* * *

¹¹ Formerly the Exemplary Teacher Award; renamed in 2011; peer reviewed by the Teaching & Learning Committee.

¹² Award mechanism established in 2010; Peer reviewed by CHSP's Teaching & Learning Committee supplemented by representatives from the Department of Sports Administration, College of Business; the Interior Architecture Program, College of Fine Arts; the Department of Recreation and Sport Pedagogy, Patton College of Education; Department of Human and Consumer Science Education, Patton College of Education.

¹³ Competitive selection by CHSP's Student Advisory Council.

Publications

in Calendar Year 2012

(Includes peer-reviewed manuscripts, chapters, books, Epub ahead of print, and articles “in press” as of December 31, 2012.)

1. Bansah, A., **Holben, D.**, & **Basta, T.** (in press). Food insecurity is associated with household energy insecurity among individuals living with HIV/AIDS in rural Appalachia. *Journal of Hunger and Environmental Nutrition*.
2. **Benigno, J. P.**, & Farrar, M. J. (2012). Determinants of joint attention in young siblings' play. *Infant and Child Development*, 21, 160-174.
3. **Benigno, J. P.**, & **McCarthy, J. W.** (2012). Aided symbol-infused joint attention. *Child Development Perspectives*, 6, 181-186.
4. **Berryman, D. E.**, & Hulver, M. (2012). Cellular and whole animal bioenergetics. In M. H. Stipanuk & M. A. Caudill (Eds.), *Biochemical, physiological and molecular aspects of human nutrition* (3rd ed., pp. 481-500). St. Louis, MO: Saunders/Elsevier.
5. **Berryman, D. E.**, Davy, B., & List, E. O. (2012). Control of energy balance. In M. H. Stipanuk & M. A. Caudill (Eds.), *Biochemical, physiological and molecular aspects of human nutrition* (3rd ed., pp. 501-518). St. Louis, MO: Saunders/Elsevier.
6. **Berryman, D. E.**, & Taylor, C. (2012). Disturbances of energy balance. In M. H. Stipanuk & M. A. Caudill (Eds.), *Biochemical, physiological and molecular aspects of human nutrition* (3rd ed., pp. 519-535). St. Louis, MO: Saunders/Elsevier.
7. Boyle, M., & **Holben, D. H.** (in press). *Community nutrition in action: An entrepreneurial approach* (6th ed.). Belmont, CA: Cengage/Wadsworth/Thomson Learning.
8. **Brannan, R. G.**, Mah, E., Schott, M., Yuan, S., Myers, A. M., Casher, K., & Herrick, C. S. (in press). Mechanisms for reducing oil pickup in fried foods [Review, invited]. *European Journal of Lipid Science and Technology*.
9. **Brannan, R. G.**, Myers, A. S., & Herrick, C. S. (in press). Oil inhibition during frying using dried egg white and fiber solutions. *European Journal of Lipid Science and Technology*.
10. **Brannan, R. G.**, Salabak, D. E., & **Holben, D.H.** (2012). Sensory analysis of pawpaw (*Asimina triloba*) pulp puree: Consumer appraisal and descriptive lexicon. *Journal of Food Research*, 1(1), 179-192. doi:10.5539/jfr.v1n1p179
11. Chapman, L. R., Hassan, F. H., Modayil, M., Park, T., Oommen, E., & **Horner, J.** (in press). Responsible conduct of research: For students, by students. *Contemporary Issues in Communication Science and Disorders*.

12. Chen, J.-Y., Su, J.-J., **Lee, C.-Y.**, & O'Seaghdha, P. G. (2012). Linguistically directed attention to the temporal aspect of action events in monolingual English speakers and Chinese-English bilingual speakers with varying English proficiency. *Bilingualism: Language and Cognition*, *15*, 413-421.
13. **Chleboun, G. S.**, Amway, A. J., Hill, J. G., Root, K. J., Murray, H., & **Sergeev, A. V.** (2012). Measurement of segmental lumbar spine flexion and extension using ultrasound imaging. *Journal of Orthopaedic & Sports Physical Therapy*, *42*(10), 868-891. doi:10.2519/jospt.2012.3915
14. Chung, H.-K., Tsai, C.-H., Lin, Y.-C., Chen, J.-M., Tsou, Y.-A., Wang, C.-Y., Lin, C.-D., **Jeng, F.-C.**, Chung, J.-G., & Tsai, M.-H. (2012). Effectiveness of theta-burst repetitive transcranial magnetic stimulation (rTMS) for treating chronic tinnitus. *Audiology & Neurotology*, *17*, 112-120. doi:10.1159/000330882
15. **Clevidence, M.**, Mowery, R., & **Kushnick, M.** (2012). The effects of ischemic preconditioning on aerobic and anaerobic variables associated with submaximal cycling performance. *European Journal of Applied Physiology*, *112*(10), 3649-3654.
16. **Cooksey-James, T.** (in press). Overview of growth and development framework. In C. L. Edelman & C. L. Mandle (Eds.), *Health promotion throughout the life span* (8th ed.). St. Louis, MO: Mosby Elsevier.
17. **Cooksey-James, T.**, Salman, A., & Lee, Y. (in press). Toddler. In C. L. Edelman & C. L. Mandle (Eds.), *Health promotion throughout the life span* (8th ed.). St. Louis, MO: Mosby Elsevier.
18. Darlington, K., **Basta, T.**, & Obregon, R. (2012). Cross-generational relationships (CSGs) in rural Jamaica. *Vulnerable Children and Youth Studies*, *7*(2), 128-138.
19. de Groot, M., Doyle, T., **Kushnick, M.**, Shubrook, J., Merrill, J., Rabideau, E., & Schwartz, F. (2012, April). Can lifestyle interventions do more than reduce diabetes risk? Benefits for the treatment of depression. *Current Diabetes Reports*, *12*(2), 157-166.
20. **Denham, S. A.** (2012). Diabetes in the Appalachian region. In R. L. Ludke & P. J. Obermiller (Eds.), *Appalachians: Their health and well-being*. Lexington, KY: University of Kentucky Press.
21. Ding, J., **Berryman, D. E.**, Jara, A., & Kopchick, J. J. (2012). Age- and sex-associated plasma proteomic changes in growth hormone receptor gene-disrupted mice. *Journals of Gerontology Series A: Biological Sciences & Medical Sciences*, *67*(8), 830-840.
22. **Dunkle, J.**, & Flynn, P. (2012). Speech-language pathologists and the Common Core Standards Initiative: An opportunity for leadership and organizational change. *Seminars in Speech & Language*, *33*(2), 102-110.
23. Farnsworth, J. L., McElhiney, D., David, S. L., Sinha, G., & **Ragan, B. G.** (in press). Objective functional assessment following a head injury using movement and activity in physical space (MAPS) scores. *Journal of Athletic Training*.
24. Feng, Y., **Xu, L.**, Zhou, N., Yang, G., & Yin, S. (2012). Sine-wave speech recognition in a tonal language. *Journal of the Acoustical Society of America*, *131*, EL133-EL138. doi:10.1121/1.3670594

25. Gao, Y., Mack, M. G., Ragan, M. A., & **Ragan, B. G.** (2012). Differential item functioning analysis of the mental, emotional, and bodily toughness inventory. *Measurement in Physical Education and Exercise Science*, 16, 203-218.
26. Goss, D. A., **Thomas, J. S.**, Walkowski, S., Licciardone, J. C., Yue, G. H., & Clark, B. C. (2012). Non-thrust manual therapy reduces erector spinae short-latency stretch reflex asymmetries in patients with chronic low back pain. *Journal of Electromyography and Kinesiology*, 22(5), 663-699. doi:10.1016/j.jelekin.2012.01.004
27. Groom, J., **Henderson, D.**, & Sittner, B. (in press). NLN-Jeffries simulation framework project - Simulation design characteristics. *Clinical Simulation in Nursing*.
28. **Hallowell, B.** (2012). Exploiting eye-mind connections for clinical applications in language disorders. In R. Goldfarb (Ed.), *Translational speech-language pathology and audiology* (pp. 335-341). San Diego: Plural Publishing Group.
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101. Strauss, J., & **McCarthy, J. W.** (2012). The effects of animated feedback on locating verbs in a dynamic contextual scene display. *Contemporary Issues in Communication Science and Disorders*, 39, 43-53.
102. **Tennant, K. F.**, Takacs, S., Gau J.-T., Clark, B. C., & **Russ, D. W.** (2012). A preliminary study of symptomatic fatigue in rural older adults. *Aging Clinical & Experimental Research*, 24(4), 324-330. doi:10.3275/8054

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104. Trost, Z., France, C. R., Sullivan, M. J., & **Thomas, J. S.** (2012). Pain-related fear predicts reduced spinal motion following experimental back injury. *Pain*, 153(5), 1015-1021.
105. Vance, R., **Basta, T.**, Bute, J., & **Denham, S.** (2012). Identifying the health needs in rural Appalachian Ohio: Outcomes of a rural community-academic partnership. *American Journal of Health Sciences*, 3(2), 1-10.
106. Weeks, J. W., **Lee, C.-Y.**, Reilly, A. R., Howell, A. N., France, C., Kowalsky, J. M., & Bush, A. (in press). "The sound of fear": Assessing vocal fundamental frequency as a physiological indicator of social anxiety disorder. *Journal of Anxiety Disorders*.
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110. Zhou, N., **Xu, L.**, & Pfungst, B. E. (2012). Characteristics of detection thresholds and maximum comfortable loudness levels as a function of pulse rate in human cochlear implant users. *Hearing Research*, 284, 25-32. doi:10.1016/j.heares.2011.12.008

Presentations in Calendar Year 2012

(Includes *paper* and *poster* presentations, published *abstracts and proceedings* of platform and poster presentations, as well as invited *seminars, workshops* or *lectures* in state, regional, national, and international forums during 2012.)

1. **Althaus, R. A.** (2012, June). *Implications of complicity*. Paper presented at the International Global Studies Conference. Moscow State University, Moscow, RU.
2. Ambegaonkar, J. P., Wyon, M. A., **Russell, J. A.**, Welsh, T., Shah, S., Couillandre, A., Mainwaring, L., & Brown, D. (2012, October 25). *Evidence-based practice in dance medicine and science*. Paper presented at the 22nd annual meeting of the International Association for Dance Medicine and Science, Singapore.
3. Anjum, J., & **Hallowell, B.** (2012, May). *Validity of an eye-tracking method for capturing auditory-visual cross-format semantic priming*. Paper presented at the Clinical Aphasiology Conference. Lake Tahoe, CA.
4. Ashlock, M. Z., Della, L. J., & **Basta, T.** (2012). *Discussions of stress and tensions related to Tyle 2 diabetes among social relationships of Eastern Appalachian Kentuckians*. Paper presented at the Kentucky Conference on Health Communication, Lexington, KY.
5. **Baker, C. J.** (2012, April 14). *Smoking cessation among urban African Americans*. Paper presented at the annual meeting of the Midwest Nursing Research Society, Dearborn, MI.
6. **Basta, T.**, Bansah, A., & **Holben, D. H.** (2012). *Relationship between smoking and medication adherence among individuals living with HIV in rural Appalachia*. Paper presented at the annual meeting of the American Public Health Association, San Francisco, CA.
7. **Berryman, D. E.** (2012, June 23). *Animal models of the GH/IGF axis: What do they tell us about aging?* Symposium presented at the 94th annual meeting of the Endocrine Society, Houston, TX.
8. **Berryman, D. E.**, Jamieson, A. P., Randall, T., & Kirk, S. (2012, May 18). *Nutrition: Prevention versus treatment debate*. Presented at the annual meeting of the Ohio Dietetics Association, Cincinnati, OH.
9. Blackstone, A., & **Russell, J. A.** (2012, October 25). *Relationship between lower body muscular power and incidence of injury in dancers*. Paper presented at the 22nd annual meeting of the International Association for Dance, Medicine and Science, Singapore.
10. Bobinger, N. N., Brink, J. T., Willis, L. M., **Sindelar, B. J.**, & **Chleboun, G. S.** (2012). *Lumbar segmental spinal motion does not change in physical therapy students after a 2-week manipulation module*. Poster session presented at the combined sections meeting of the American Physical Therapy Association, Chicago, IL.
11. Brown, K. A., **Holben, D. H.**, Shubrook, J. H., & Schwartz, F. L. (2012). Glycemic control, food access, and produce intake/behaviors of individuals with diabetes in rural Appalachian Ohio

[Abstract]. *Journal of the Academy of Nutrition and Dietetics*, 112(Suppl 3), A-90. (Philadelphia, PA)

12. **Bryant, R.** (2012). *Self-care of heart failure in a house call program*. Paper presented at the annual conference of the Gerontological Advanced Practice Nurses Association, Las Vegas, NV.
13. **Bryant, R.** (2012). *Self-care of heart failure in a house call program*. Poster session presented at the annual conference of the Ohio Association of Advanced Practice Nurses, Columbus, OH.
14. **Chabot, J., & Reinhart, M.** (2012, May). *A child life passport: International child life lessons and research outcomes for the student, educator, and practitioner*. Workshop presented at the 28th annual conference of the Child Life Council, Washington, DC.
15. **Chabot, J.** (2012, October). *Getting started: Your child life portfolio*. Paper presented at the professional conference of the Great Lakes Child Life Association, Indianapolis, IN. [Invited]
16. **Chabot, J.** (2012, March). *Getting started: Your child life portfolio*. Paper presented at the advanced symposium of the Great Lakes Child Life Association, Detroit, MI. [Invited]
17. Chhabra, S., Hale, R. N., **Holben, D. H.**, Valciglia, G., Vaughn, L. M., & Lee S.-Y. (2012, March 29). Is social capital associated with food security in food pantry users? [Abstract]. *Federation of American Societies of Experimental Biology (FASEB) Journal*, 26, 631.4. (Snowmass, CO)
18. **Chleboun, G. S.** (2012, November 30). *Muscle architecture and ultrasound imaging: An overview*. Seminar presented at the University of Kentucky Center for Muscle Biology, Lexington, KY. [Invited]
19. **Chleboun, G. S., & Sindelar, B. J.** (2012, November 2). *Medical imaging: Clinical applications*. Seminar presented at the Ohio Kentucky Consortium of Clinical Education, Pickerington, OH.
20. Chou, M.-S., **Jeng, F.-C.**, Wang, C.-Y., Chung, H.-K., Lin, C.-D., & Tsai, M.-H. (2012, November 10-11). The animal model of frequency following response [Abstract]. *Abstracts of the 93rd Annual Meeting of Taiwan Otolaryngological Society*, p. 22, #C37. (Taipei, Taiwan)
21. **Cooksey-James, T.**, Lee, Y., & Salman, A. (2012). *Using Cohen's model of political development with political action plans of graduate nursing students*. Paper presented at the College of Nursing and Health, Wright State University, Dayton, OH.
22. **Cooksey-James, T.**, Lee, Y., & Salman, A. (2012, September 13-15). *Using Cohen's model of political development with political action plans of graduate nursing students*. Paper presented at the National State of the Science Congress on Nursing Research, Washington, DC.
23. **Cooksey-James, T.**, Salman, A., & Lee, Y. (2012, June 15-16). *Teaching effectively using learner-centered teaching and interactive video distance learning with RN-BSNs*. Poster session presented at the Sigma Theta Tau International (STTI) and National League of Nursing (NLN) Nursing Education Research Conference: Innovations in Nursing Education, Indianapolis, IN.
24. **Cooksey-James, T.**, Salman, A., & Lee, Y. (2012, March). *Teaching effectively using learner-centered teaching in a graduate nursing health policy course*. Paper presented at the 2012 master's education conference of the American Association of Colleges of Nursing (AACN), San Antonio, TX.

25. Della, L. J., Ashlock, M., & **Basta, T.** (2012). *Perceptual differences in type 2 diabetes-related stigma in Appalachian Kentucky*. Paper presented at the annual convention of the National Communication Association, Orlando, FL.
26. Divers, C. K., Bartholomew, M., Farnsworth, J. L., Nickels, S. J., & **Ragan, B. G.** (2012, June). *Evaluating concussion-related symptom characteristics based on the theory of unpleasant symptoms*. Paper presented at the 63rd annual meeting and clinical symposia of the National Athletic Trainers' Association, St. Louis, MO.
27. **Dunkle, J.**, Jeng, H., Krabacher, A., Moorman, M., & Skebo, C. (2012, March 10). *Beyond CFY: Surviving the professional world*. Paper presented at the annual convention of the Ohio Speech-Language-Hearing Association, Columbus, OH.
28. Farnsworth, J. L., Nickels, S. J., McElhiney, D., Bartholomew, M., David, S. L., & Fiorita, A., **Holben, D. H.**, & Harshman, S. (2012). Impact of a pilot winter season CSA fresh produce delivery intervention program on the food security and produce intake/behaviors of mothers living in rural Appalachian Ohio [Abstract]. *Journal of the Academy of Nutrition and Dietetics*, 112, A-91. (Philadelphia, PA)
29. Funk, K. R., List, E. O., **Berryman, D. E.**, & Kopchick, J. J. (2012). Circulating levels of IGF-binding proteins in GH transgenic and GH receptor *-/-* mice [Abstract]. *Growth Hormone IGF Research* 22(Suppl 1), S56. (Munich, DE)
30. Gabler, C. M., David, S. L., **Howe, C. A.**, White, J., & **Ragan, B. G.** (2012, June). *The effectiveness of neuromuscular training on modifiable anterior cruciate ligament injury risk factors*. Paper presented at the 63rd annual meeting and clinical symposia of the National Athletic Trainers' Association, St. Louis, MO.
31. Gliatas, M., & **Xu., L.** (2012, March 8-10). *Relative importance of amplitude and frequency variations in speech perception*. Poster session presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
32. Gray, A., **Clevidence, M.**, Brooks, G., Brown, J., Coccia, S., Meyer, J., & **Kushnick, M.** (2012, November). *Creation of a modified equation to predict oxygen consumption on a cycle ergometer*. Poster session presented at the annual meeting of the Midwest American College of Sports Medicine, Oregon, OH.
33. Groom, J., **Henderson, D.**, & Sittner, B. (2012, June). *NLN-Jeffries simulation framework project—Simulation design characteristics*. Paper presented at the 11th annual International Nursing Association for Clinical Simulation and Learning, San Antonio, TX.
34. Hale, R. N., Chhabra, S., Zipfel, A., **Holben, D. H.**, Vaughn, L. M., Valciglia, G., & Lee S.-Y. (2012, March 29). Food insecurity, nutrition knowledge, and cooking skills are barriers to healthy eating among food pantry users [Abstract]. *Federation of American Societies of Experimental Biology (FASEB) Journal*, 26, 261.1. (Bethesda, MD)
35. Harshman, S., Benencia, F., Junnila, R., List, E. O., Kopchick, J. J., & **Berryman, D. E.** (2012). Depot Specific (2012). White adipose tissue immune cell populations in male C57Bl/6J mice [Abstract]. *Endocrine Reviews*, 33, SAT-98. (Boston, MA)

36. Harshman, S., Benencia, F., Junnila, R., List, E. O., Kopchick, J. J., **Berryman, D. E.** (2012, July). *Characterization of white adipose tissue immune cell populations in bovine growth hormone transgenic mice*. Paper presented at the Growth Hormone/Prolactin Family in Biology and Disease, Federation of American Societies of Experimental Biology (FASEB) Summer Research Conference, Snowmass Village, CO.
37. Heuer, S., & **Hallowell, B.** (2012, November). *Eyetracking-based attention indices in aphasia: Evaluation of online sampling intervals*. Poster session presented at the annual convention of the American Speech-Language-Hearing Association, Atlanta, GA.
38. Heuer, S., & **Hallowell, B.** (2012, May). *Exploring online eye movement indices of attention allocation in aphasia*. Paper presented at the Clinical Aphasiology Conference, Lake Tahoe, CA.
39. Higy, C., & **Haberkorn, J.** (2012). *Successful classroom management techniques*. Paper presented at the International Conference on Education, Honolulu, HI.
40. Hill, R., & **Holben, D. H.** (2012). Food insecurity is associated with poor social capital, perceived health, and perceived diet among adult food bank users in and around the lower mainland of British Columbia, CA [Abstract]. *Federation of American Societies of Experimental Biology (FASEB) Journal*, 26, 631.8 (Bethesda, MD)
41. **Holben, D. H., Basta, T., & Bansah, A. K.** (2012). Food security and social capital of adults with HIV/AIDS living in rural Appalachia [Abstract]. *Journal of the Academy of Nutrition and Dietetics*, 112, A-90. (Philadelphia, PA)
42. **Horner, J.** (2012, April 29). *Clinical ethics and adult neurogenic disorders*. Seminar presented at the Health Care Conference/Business Institute, American Speech-Language-Hearing Association, Memphis, TN. [Invited]
43. **Horner, J.** (2012, April 29). *Professional and business ethics for speech-language pathology*. Seminar presented at the Health Care Conference/Business Institute, American Speech-Language-Hearing Association, Memphis, TN. [Invited]
44. Householder, L. A., Troike, K. M., List, E. O., Kopchick, J. J., & **Berryman, D. E.** (2012, July 8-13). *Age and adipose tissue depot differences in the collagen content and adipocyte size of bGH mice*. Paper presented at the Growth Hormone/Prolactin Family in Biology and Disease, Federation of American Societies of Experimental Biology Summer Research Conference, Snowmass Village, CO.
45. Householder, L. A., Troike, K. M., List, E. O., Lubbers, E. R., Kopchick, J. J., & **Berryman, D. E.** (2012, December). Examining the impact of growth hormone on the collagen content of adipose tissue [Abstract]. *Growth Hormone IGF Research*, 22(Suppl 1), S13-14. (Munich, DE)
46. **Howe, C. A., McElhiney, D., & Ragan, B. G.** (2012, May). *Optimal categorization of a facial scale for assessing real-time perception of enjoyment of children's physical activity*. Paper presented at the American College of Sports Medicine Annual Meeting, San Francisco, CA.
47. Hu, J., & **Jeng, F.-C.** (2012, August 8-12). An automated response detection procedure for human frequency following response elicited by voice pitch [Abstract]. *International Hearing Aid Research Conference*, pp. 63-64, B5. (Lake Tahoe, CA)

48. Huist, A., & **McCarthy, J.** (2012, July). *Teaching graphic symbols to children with complex communication needs through video and play*. Paper presented at the biennial meeting of the International Society for Augmentative and Alternative Communication, Pittsburgh, PA.
49. **Jeng, F.-C.**, Peris, K. S., & Hu, J. (2012, August 8-12). Evaluation of an automatic procedure for detecting frequency-following responses to voice pitch in American and Chinese neonates [Abstract]. *International Hearing Aid Research Conference*, pp. 66-67, B10. (Lake Tahoe, CA)
50. Keller, D. C., Mitchell, C., Weeks, L., & **Sindelar, B. J.** 2012. Multi-clinic study on the treatment of periodontal disease using topical oxidizing agents [Abstract]. *Journal of Dental Research* 91(Spec Iss A), 1147. (Tampa, FL)
51. **Kingori, C.**, Reece, M., Murray, M., Obeng, S., Dodge, B., Shacham, E., Akach, E., Ngatia., P., Ojaka, D. (2012). *Psychometric evaluation of a cross-culturally adapted HIV felt stigma instrument among people living with HIV in Nairobi, Kenya*. Poster session presented at the 140th annual meeting and expo of the American Public Health Association, San Francisco, CA.
52. **Kushnick, M.** (2012, November). *Exercise has its ↑ (ups) and ↓ (downs): The effects of exercise on blood lipids*. Symposium entitled "Exercise is Medicine" presented at Department of Kinesiology, Recreation and Sport Studies, Indiana State University, Terra Haute, IN. [Invited]
53. Kutney, J., & **McCarthy, J.** (2012, July). *In the driver's seat: Making your own apps on the android platform*. Paper presented at the biennial meeting of the International Society for Augmentative and Alternative Communication, Pittsburgh, PA.
54. **Lee, C.-Y.**, & Lekich, A. (2012, October). Perception of musical and lexical tones by musicians and nonmusicians [Abstract]. *Journal of the Acoustical Society of America*, 132, 1886. (Kansas City, MO) Lay language version available at http://www.acoustics.org/press/164th/Lee_1aMU6.html
55. Linsenmayer, M., Ross, A. J., Corbett, M., Schwing, T., Walkowski, S., Clark, B. C., Goss D., & **Thomas, J. S.** (2012, February). *Effects of spinal manipulation on peak loading and trunk displacement during unanticipated trunk perturbations of participants with and without chronic low back pain*. Paper presented at the combined sections meeting of the American Physical Therapy Association, Chicago, IL.
56. List, E. O., **Berryman, D. E.**, Blishcak, J. D., Funk, K., Tysl, B., Leone, R., Lubbers, E. R., Visser, W. E., Visser, T. J., & Kopchick, J. J. (2012, December). Differential effects of GH versus IGF-1 during obesity [Abstract]. *Growth Hormone IGF Research*, 22(Suppl 1), S61. (Munich, DE)
57. List, E. O., **Berryman, D. E.**, Blischak, J. D., Tysl, B., Kutz, L., Jara, A., Visser, W. E., Visser, T. J., & Kopchick, J. J. (2012). GH and not IGF-1 decreases hepatic production of thyroxine-binding globulin (TBG) and reduces circulating thyroxine (T4) in diet-induced obese mice [Abstract]. *Endocrine Reviews*, 33, SUN-682. (Boston, MA)
58. Lubbe, R., Knutson, M., Vance, R., Hamaker, B., & **Kushnick, M.** (2012, November). *Acute hyperglycemia and oxidative stress: The second meal effect*. Paper presented at the annual meeting of the Midwest American College of Sports Medicine, Oregon, OH.

59. Lubbers, E. R., Magon, V., Jara, A., Ziegler, A. K., Miles, B., List, E. O., Kopchick, J. J., & **Berryman, D. E.** (2012, December). Adipokine levels in mice with altered growth hormone (GH) action over lifespan: Identifying the links between adiposity, insulin sensitivity and longevity [Abstract]. *Growth Hormone IGF Research*, 22(Suppl 1), S62. (Munich, DE)
60. Lubbers, E. R., Ziegler, A. K., List, E. O., Kopchick, J. J., & **Berryman, D. E.** (2012) Total and high-molecular-weight adiponectin levels throughout life in bGH and GHR^{-/-} mice [Abstract]. *Endocrine Reviews*, 33, SAT-96. (Houston, TX)
61. Lubbers, E., List, E. O., **Berryman, D. E.**, Tchkonja, T., Pirtskhalava, T., Kirkland, J. L., & Kopchick, J. J. (2012, July). *Senescent cell accumulation in adipose tissue of bovine growth hormone transgenic (bGH) mice*. Paper presented at the summer research conference of the Federation of American Societies of Experimental Biology, Snowmass Village, CO.
62. **McCarthy, J.**, Anjum, J., Wintering, M., **Ries, D.**, & **DiGiovanni, J.** (2012, July). *Contributions of hearing science to AAC system design*. Paper presented at the biennial meeting of the International Society for Augmentative and Alternative Communication, Pittsburgh, PA.
63. **McCarthy, J.**, & **Benigno, J.** (2012, July). *Visual symbol representation in children with autism spectrum disorders*. Paper presented at the biennial meeting of the International Society for Augmentative and Alternative Communication, Pittsburgh, PA.
64. **McCarthy, J. W.**, **Benigno, J. P.**, Cooley, J., Cain, J., & Yontz, L. (2012, August). *Visual symbol representation in children with autism spectrum disorders*. Paper presented at the meeting of the International Society for Augmentative and Alternative Communication, Pittsburgh, PA.
65. **McCarthy, J.**, **DiGiovanni, J. J.**, & **Ries, D. T.** (2012). *Contributions of hearing science to AAC system design*. Paper presented at the meeting of the International Society for Augmentative and Alternative Communication, Pittsburgh, PA.
66. McElhiney, D., & **Ragan, B. G.** (2012, June). *Improving the memory items of the standardized assessment of concussion through Rasch calibration*. Paper presented at the 63rd annual meeting of the National Athletic Trainers' Association, St. Louis, MO.
67. Metzger, C. M., Miracle, T. P., & **Chleboun, G. S.** (2012). *Measurement of segmental lumbar vertebral side bending motion using ultrasound imaging*. Poster session presented at the combined sections meeting of the American Physical Therapy Association, Chicago, IL.
68. Morgan, S. A., **Berryman, D. E.**, List, E. O., Lavery, G. G., Kopchick, J. J., & Stewart, P. M. (2012). Negative regulation of 11 β -HSD1 by GH in key metabolic tissues may contribute to metabolic disease in GH- deficient patients [Abstract]. *Endocrine Reviews*, 33, MON-670. (Boston, MA)
69. **Morrone, M.** (2012, October). *Appalachian voices, environmental justice and community health*. Paper presented at the Appalachian Women's Conference, Zanesville, OH.
70. **Morrone, M.**, & **Basta, T.** (2012, October). *Causes of environmental health consequences of pollution havens*. Paper presented at the annual meeting of the American Public Health Association, San Francisco, CA.

71. Myers-Bowman, K., **Jurich, J.**, & Ricklefs, T. (2012, October). *Parent-child relationships in twilight: Implications for family life education*. Poster session presented at the annual meeting of the National Council on Family Relations, Phoenix, AZ.
72. Nickels, S. J., Farnsworth, J. L., Bartholomew, M., McElhiney, D., & **Ragan, B. G.** (2012, June). *Validation of physical activity as a functional outcome measure following a concussion*. Paper presented at the 63rd annual meeting of the National Athletic Trainers Association, St. Louis, MO.
73. Oberst, S. R., Wall, C. M., & **Thomas, J. S.** (2012). The effects of load type on time-to-task failure on the trunk flexors [Abstract]. *Neuroscience Meeting Planner*, Program No. 478.13. (New Orleans, LA)
74. Oh, H.-J., **Howe C. A.**, & **Rana S. R.** (2012, March). *Intervention to improve physical activity in rural Appalachian Ohio adolescents*. Paper presented at the national convention and exposition of the American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD), Boston, MA.
75. Oommen, E., & **McCarthy, J.** (2012, March). *Natural speech and AAC intervention strategies in children with dysarthria and apraxia of speech*. Paper presented at the annual meeting of the Ohio Speech-Language-Hearing Association, Columbus, OH.
76. Oommen, E., & **McCarthy, J.** (2012, July). *Focus groups on natural speech, AAC interventions in children with dysarthria and apraxia of speech*. Paper presented at the biennial meeting of the International Society for Augmentative and Alternative Communication, Pittsburgh, PA.
77. **Ragan, B. G.** (2012, June). *Objective assessment of function following head injury using movement and activity in physical space (MAPS) scores: A case report*. Paper presented at the 63rd annual meeting and clinical symposia of the National Athletic Trainers' Association, St. Louis, MO.
78. Rambo, C. N., **Holben, D. H.**, Knight, M., Shubrook, J., & Murray, T. (2012). A 1-year multidisciplinary lifestyle intervention improves cardiovascular disease risk profiles in at-risk adults [Abstract]. *Federation of American Societies of Experimental Biology (FASEB) Journal*, 26, 1032.4. (Snowmass, CO)
79. **Rana, S.**, Rucker, T., **Clevidence, M.**, & **Gilders, R.** (2012, July). *Dynamic warm-up improves mean power output compared to warm-up with static stretching*. Poster session presented at the annual conference of the National Strength and Conditioning Association, Providence, RI.
80. Razzook, A., Gleason, C., **Willy, R.**, Fellin, R., Davis, I., & Stanhope, S. (2012). *Average ankle dynamic joint stiffness during heel strike running*. Paper presented at the annual meeting of the American Society of Biomechanics, Gainesville, FL.
81. Ricklefs, T., Myers-Bowman, K., & **Jurich, J.** (2012, October). *Bringing families into the classroom: Use of novels in family studies courses*. Poster session presented at the annual meeting of the National Council on Family Relations, Phoenix, AZ.
82. Roche, L., & **Hallowell, B.** (2012, March). *Use of pupillometry with aphasia: A novel method*. Paper presented at the annual convention of the Ohio Speech-Language-Hearing Association. Columbus, OH.

83. Roche, L., & **Hallowell, B.** (2012, May). *A novel pupillometric method for indexing word difficulty in adults with and without aphasia*. Paper presented at the Clinical Aphasiology Conference, Lake Tahoe, CA.
84. Roche, L., & **Hallowell, B.** (2012, November). *Indexing cognitive effort in linguistic processing using pupillometry: Methodological variations*. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Atlanta, GA.
85. Ross, A. J., Motter, S., Linsenmayer, M., Pickett, R., Cowen, J., **Russ, D. W.**, Clark, B C., & **Thomas, J. S.** (2012, February). *The effects of test position and load type on time to task failure and median power frequency of the trunk extensors*. Paper presented at the combined sections meeting of the American Physical Therapy Association, Chicago, IL.
86. **Russ, D. W.** (2012, March). *When less is less is even less: Intramuscular aging muscle quantity & quality*. Paper presented at the Smith College Department of Biology, Northampton, MA. [Invited]
87. **Russ, D. W.** (2012, June). *Mechanisms of age-related changes in muscle quality & quantity*. Paper presented at Abbott Laboratories, Columbus, OH. [Invited]
88. **Russ, D., W.**, Krause, J., Wills, A., & Klein, E. (2012). Markers of "SR stress" in aging and exercised muscle [Abstract]. *The Physiologist*, 55(6), 9.1.
89. **Russell, J. A.**, & Wang, T. J. (2012, October 25). *Injury occurrence in university dancers and their access to healthcare*. Paper presented at the 22nd annual meeting of the International Association for Dance Medicine and Science, Singapore.
90. **Ryan, T.**, & Ure, M. (2012, September). *Characterization of Hookah Bar particulates*. Paper presented at the Southeast Ohio Environmental Health Association Conference, Athens, OH.
91. **Sergeev, A. V.**, & **Nyirati, C. M.** (2012, March 13-16). *Gestational hypertension in minorities: Can racial and ethnic disparities be attributed to socio-economic status?* Poster session presented at the scientific sessions of the American Heart Association Epidemiology and Prevention Nutrition, Physical Activity and Metabolism, San Diego, CA.
92. **Sergeev, A. V.**, & **Nyirati, C. M.** (2012, May 11). *Factors associated with inadequate prenatal care in women with pre-gestational hypertension*. Paper presented at the scientific sessions of the American Heart Association Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke, Atlanta, GA.
93. **Shinew, K. A.**, Weade, R., **Krause, B. A.**, Martin, R., Wan, G., & **Ragan, B. G.** (2012, June). *Entry-level athletic trainers' perceived adequacy of clinical education in preparation for confident professional practice*. Paper presented at the 63rd annual meeting and clinical symposia of the National Athletic Trainers' Association, St. Louis, MO.
94. **Spjeldnes, S.** (2012, November 29). *Getting into an MSW program* [Panel]. Professional development workshop presented at the conference of the National Association of Social Work, Ohio, Columbus, OH. [Invited]

95. **Starkey, C.** (2012, May 20). *The new CAATE accreditation standards: The pass point dilemma*. Paper presented at the Mid-Atlantic Athletic Trainers' Association, Greenville, SC.
96. Stewart T., **Barr, M.**, White, J., & **Howe, C.** (2012, November). *Active gaming: Do accelerometers accurately measure the moves?* Paper presented at the annual meeting of the Midwest American College of Sports Medicine, Oregon, OH.
97. Troike, K. M., Householder, L. A., List, E. O., Kopchick, J. J., & **Berryman, D. E.** (2012). Quantification of collagen and effect on adipocyte size in bGH mice [Abstract]. *Endocrine Reviews*, 33, SAT-97. (Boston, MA)
98. Unsworth, D., **Russell, J. A.**, & Martiny, A. C. (2012, October 25). *Presence of Staphylococcus aureus in the collegiate dance environment*. Paper presented at the 22nd annual meeting of the International Association for Dance Medicine and Science, Singapore.
99. Vesel, C. B., Lubbers, E. R., List, E. O., Kopchick, J. J., & **Berryman, D. E.** (2012, December). Quantification of brown adipocyte markers in white adipose tissues of mice with altered growth hormone action [Abstract]. *Growth Hormone IGF Research*, 22(Suppl 1), S63-64. (Munich, DE)
100. Vijeyta, F., Lubbers, E., List, E. O., Kopchick, J. J., & **Berryman, D. E.** (July 2012). *Reduction or absence of growth hormone signaling increases resistin levels in mice*. Paper presented at the Growth Hormone/ Prolactin Family in Biology and Disease, Federation of American Societies of Experimental Biology Summer Research Conference, Snowmass Village, CO.
101. Wang, L. C., Pham, A., Paulick, P., Bachman, M., & **Russell, J. A.** (2012, October 26). *Design and testing of a sensor system to measure foot pressures in ballet pointe shoes*. Paper presented at the 22nd annual meeting of the International Association for Dance Medicine and Science, Singapore.
102. Wang, S., **Xu, L.**, Dong, R., Li, J., Mannell, R., & Zhang, L. (2012). Acoustic cues for lexical tone perception in hearing-impaired listeners [Abstract]. *Journal of the Acoustical Society of America*. 131(4), 3479. (Kansas City, MO)
103. White, J. B., Cocumelli, C., & **Rana S.** (2012). Effect of resistance training programs on body composition and local subcutaneous fat in young women [Abstract]. *Medicine and Science in Sports and Exercise*, 44(5;suppl 1), S485. (San Francisco, CA)
104. **Willy, R. W.**, & Davis, I. S. (2012). *Predictors of knee adduction and knee adduction moment in male runners with patellofemoral pain syndrome*. Paper presented at the combined sections meeting of the American Physical Therapy Association, Chicago, IL.
105. **Willy, R W.** (2012, September 19-22). *Gait retraining for the treatment of common running overuse injuries*. Paper presented at the 11th Scandinavian Congress in Medicine and Science in Sports and the Annual Swedish Meeting in Sports Medicine, Malmo, SE. [Invited]
106. Winner, B., **Barr, M.**, **White, J.**, & **Howe, C.** (2012, November). *Energy cost of seated vs. active video games in college students*. Paper presented at the annual meeting of the Midwest American College of Sports Medicine, Toledo, OH.

107. **Xu, L.**, Feng, Y., Zhou, N., Yang, G., & Yin, S. (2012). Sine-wave speech recognition in a tonal language [Abstract]. *Abstracts of the Association for Research in Otolaryngology (ARO) Midwinter Meeting*, 35, 378. (San Diego, CA)
108. **Xu, L.**, & Liu, Q. (2012). *Vocal singing in prelingually-deafened children with cochlear implants and hearing aids*. Paper presented at the 12th international conference on Cochlear Implants and Other Implantable Auditory Technologies, Baltimore, MD.
109. **Xu, L.** (2012). Lexical tone development in children with cochlear implants [Abstract]. *Journal of the Acoustical Society of America*, 131(4), 3480. (Kansas City, MO)
110. **Xu, L.**, & Liu, B. (2012, April 8-21). *Audiology education in China: History and current status*. Paper presented at the Global Summit on Higher Education in Communication Sciences and Disorders, at the annual conference of the Council on Academic Programs in Communication Sciences and Disorders, Newport Beach, CA. [Invited]
111. **Xu, L.** (2012). *Speech perception: Temporal envelope vs. spectral skeleton*. Paper presented at the Division of Speech and Hearing Sciences, University of Hong Kong, PRC. [Invited]
112. **Xu, L.** (2012, July 1). *Assessment of auditory, speech, and language skills in cochlear implant children*. Paper presented at the 8th International Symposium on Hearing Science Research and Clinics, Changsha, PRC. [Invited]
113. **Xu, L.** (2012, July 16). *Tone languages and cochlear implants*. Paper presented at the 2012 Shanghai Municipal Summer Camp for Otology Graduate Students and Workshop on Otological Research Technology, Department of Otolaryngology, Shanghai Sixth People's Hospital, Shanghai Jiatong University, Shanghai, PRC. [Invited]
114. **Xu, L.** (2012, August 1). *Research updates and the make of an SCI paper*. Paper presented at the Department of Otolaryngology–Head & Neck Surgery, Beijing Tongren Hospital, Beijing Institute of Otorhinolaryngology, Capital Medical University, Beijing, PRC. [Invited]
115. **Xu, L.** (2012, August 4). *Cochlear implants and tone languages*. Symposium conducted at Otology and Audiology Research, Foshan, PRC. [Invited]
116. **Xu, L.** (2012, November 17). *Tone development in prelingually-deafened children with cochlear implants*. Paper presented at the Shanghai Summit on Cochlear Implant Clinical Issues, Eye, Ear, Nose & Throat Hospital, Fudan University, Shanghai, PRC. [Invited]
117. Yeh, P., **Ragan, B. G.**, **Starkey, C.**, Lombardo, S., & Khazzari, D. F. (2012, February). *Microfracture outcomes for articular knee injuries in the professional basketball athlete*. Paper presented at the annual meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA.
118. Yocum, J., Cotton, J. R., & **Sindelar, B. J.** 2012. Condylar bone mineral density differences in anterior-posterior and superior-inferior directions [Abstract]. *Journal of Dental Research*, 91(Spec Iss A), 0582. Available at: <http://www.dentalresearch.org>
119. Yoshioka, H., Guenzi, C., & **Russell, J. A.** (2012, September 14). *MRI of the ballet dancer ankle at 3T: Comparison of normal anatomy in the en pointe and neutral positions*. Paper presented at the 39th annual meeting of the International Skeletal Society, Rome, IT.

120. Yuan, S., & **Brannan, R. G.** (2012). *Beta-lactoglobulin, but not alpha-Lactalbumin, inhibits oil absorption in fully fried breaded chicken.* Paper presented at the annual meeting of Institute of Food Technologists, Las Vegas, NV.
121. Zaylor, W., **Sindelar, B. J.**, & Cotton, J. R. (2012). *The influence of occlusal splinting on the trabecular morphology in the sagittal plane of the temporomandibular joint.* Paper presented at the annual meeting of the American Society of Biomechanics, Gainesville, FL.

Grants and Contracts Awarded

January 1, 2012 – December 31, 2012

INTRAMURAL GRANTS

- Berryman, D.**, & Benencia, F. (2012). Immune Cells in Adipose (Fat) Tissue: Key Players of the Metabolic Dysfunction of Obesity? College of Health Sciences and Professions Interdisciplinary Research Award, \$18,504.
- Brannan, R.** (Spring 2012). Assessment of High Pressure Processing on Shelf Life, Texture, and Quality of Pawpaw Pulp. Ohio University Research Award, \$7,953.
- McCarthy, J., Nyirati, C., Sergeev, A.,** Wadsworth, N., Moore, D., & **Krause, A.** (Fall 2012). Technology Augmented Team-Building in Interprofessional Health Science Graduate Education. 1804 Fund, \$21,163.60.
- Overby, A., Adeyanju, M.,** Marling, C., **Phillips, B.,** & Weinberg, M. (Fall 2012). Development of a Multidisciplinary Certificate Program in Clinical Informatics. 1804 Fund, \$36,819.
- Sergeev, A.** (Spring 2012). Comparative Effectiveness of Interventions in Populations with Cardiovascular Disease and Diabetes. Ohio University Research Award, \$7,975.
- White, J., & Rana, S.** (2012). Risk Stratification and Functional Differences in College Coaches In-Season Versus Out-of-Season, with Emphasis on Stress, Physical Activity Levels, and Functional Status College of Health Sciences and Professions Mentored Research Award, \$5,000.
- Willy, R.** (Spring 2012). Real-Time Gait Retraining to Reduce Knee Loading in Individuals at High Risk for Knee Osteoarthritis. Ohio University Research Award, \$7,963.
- Willy, R.** (Spring 2012). The Effect of Increasing Step Rate During Running Incidence of Lower Extremity Overuse Injuries in Army ROTC Members. College of Health Sciences and Professions Faculty Summer Research Award, \$9,720.
- Willy, R., & Thomas, J.** (2012). Predictors of Abnormal Knee Loading in Individuals Who are Post-Menisectomy. College of Health Sciences and Professions Mentored Research Award, \$5,000.

EXTRAMURAL GRANTS AND CONTRACTS

- Beatty, M.** (2012). Heartworks - A Partnership between Ohio University WellWorks and O'Bleness Memorial Hospital. \$191,302.00.
- Bowen, M.** (2012). Advancing Ohio University Nursing through Advanced Education Nursing Traineeships (AENT). Health Resources and Services Administration (HRSA), \$348,828.00.
- Bowen, M.** (2012). Choose Ohio First Nursing Program. Ohio Board of Regents, \$398,000.00.

Bowen, M. (2012). H-1B Technical Skills Training Grant: Nursing Education & Retraining for Success (NEARS). U.S. Department of Labor, \$4,989,080.00.

Chleboun, G. (2012). FY12 Physical Therapy Contract. Buckeye Hills Career Center, \$89,059.75.

Chleboun, G. (2012). FY12 Physical Therapy Contract. Echoing Meadows Residential Center, \$4,556.00.

Chleboun, G. (2012). FY12 Physical Therapy Contract. Hocking County Board DD, \$10,184.00.

Chleboun, G. (2012). FY12 Physical Therapy Contract. Meigs County Board of DD, \$8,676.50.

Chleboun, G. (2012). FY12 Physical Therapy Contract. Athens County Board of DD, \$2,529.25.

Chleboun, G. (2012). Physical Therapy Contract. Logan Hocking Board of Education, \$70,517.50.

Chleboun, G. (2012). FY12 Physical Therapy Contract. O'Bleness Memorial Hospital, \$669,209.50.

Clark, B., Russ, D., Thomas, J., & Nakazawa, M. (2012). Intracortical Mechanisms of Muscle Weakness (ARRA). National Institutes of Health, \$426,122.00.

Clark, B., & Thomas, J. (2012). Role of Intracortical Excitability in Mal de Debarquement Syndrome. MdDS Balance Disorder Foundation, \$49,955.00.

Davis, K. (2012). Summer Intermediate Academy. Ohio Department of Education, \$14,825.25.

Davis, K., Oches, B., & Lenigar, C. (2012). 21st Century. Federal Hocking Middle School, \$157,720.00.

Davis, K., & Brooks, A. (2012). Kids on Campus Summer 2012: From Seed to Plate. Athens Foundation, \$2,700.00.

Davis, K., & Brooks, A. (2012). Kids on Campus Summer 2012: Promoting Healthy Lifestyles, Kids on Campus Summer 2012: Promoting Healthy Lifestyles. Sisters of Saint Joseph Charitable Fund, \$13,000.00.

Davis, K. (2012). Kids on Campus: From Seed to Plate. Athens Foundation, \$1,500.00.

Galbreath, W. (2012). Child Welfare Workforce Professional Education Program (CWWPEP). Ohio Department of Jobs and Family Services, \$123,250.00.

Hallowell, B. (2012). Eyetracking Comprehension Assessment System (ECAS) PH II: Improving Validity of Comprehension Assessment for People with Brain Injury. LC Technologies, Inc., \$14,000.00.

Henderson, D. (2012). Choose Ohio First PCMH Scholarship Program. Ohio Board of Regents, \$85,000.00.

Henderson, D. (2012). Nurse Education Practice, Quality and Retention. Health Resources and Services Administration (HRSA), \$249,998.00.

Holben, D. (2012). Disney's Approach to Leadership Excellence. American Dietetic Association, \$5,000.00.

Kopchick, J., List, E., & **Berryman, D.** (2012). The Somatotropic Axis and Health Aging: A Search for Mechanisms. Southern Illinois University, National Institutes of Health, \$338,647.00.

Krause, A. (2012). Viability of Methicillin-Resistant Staphylococcus Aureus (MRSA) on Artificial Turf under Environmental Conditions. Ohio Athletic Trainer's Association, \$333.00.

Leite, R. (2012). Ohio's Coalition to Increase Parenting Time Opportunities for Children. Fairfield County Department of Jobs and Family Services, \$24,750.00.

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