

Research Day

FRIDAY
APRIL 14 2017

ALLIED HEALTH: PROMOTING HEALTH ACROSS THE LIFESPAN

**The University of Oklahoma
Health Sciences Center
College of Allied Health**

A celebration of research in
the practices of:

- Communication Sciences and Disorders
- Medical Imaging and Radiation Sciences
- Nutritional Sciences
- Rehabilitation Sciences

8:00 am - 4:00 pm

Oral and poster presentations Allied
Health Building Atrium/Tulsa Perkins Auditorium

9:15 am Building Team Science: A
perspective from Mobility and Aging

Stephanie Studenski, M.D., MPH

Senior Investigator, Chief, Longitudinal Studies Section
Harbor Hospital Baltimore, Maryland

**Allied Health Building 1117*/Tulsa Perkins Auditorium
*and additional overflow rooms**

11:45 lunch (first come first served)

Allied Health Atrium/Founders Hall



All faculty, students, staff and clinical educators are invited to attend.

For accommodations on the basis of disability, please contact Traci at (405) 271-2288.

The University of Oklahoma is an equal opportunity institution www.ou.edu/eoo

2017 COLLEGE OF ALLIED HEALTH RESEARCH DAY PROGRAM

ALLIED HEALTH: PROMOTING HEALTH ACROSS THE LIFESPAN

8:00-8:30	Registration – OKC Allied Health Atrium/Tulsa Perkins Auditorium		
8:30-9:05	Welcome Address – AHB 1117*, 1047, 2058, 2059, 2060, 2065/Tulsa Perkins Auditorium* Carrie Ciro, PhD, OTR/L, FAOTA (Research Committee Co-Chair) Dean: P. Kevin Rudeen, PhD Interprofessional Welcome: Setting High Expectations for Research Day Research Committee Members: Laura Gaeta, BHS, PhD, (Student Representative), Elizabeth Hile PhD, PT (co-Chair), Mary Isaacson EdD, OTR/L, Leah Hoffman PhD, RD/LD		
9:05-9:15	<i>Stretch Break</i>		
9:15-10:15	Keynote Address – AHB 1117*, 1047, 2058, 2059, 2060, 2065/Tulsa Perkins Auditorium* Stephanie Studenski, MD, MPH Chief, Longitudinal Studies Section of the National Institute on Aging (NIA)		
10:30-11:30	ORAL PRESENTATION SESSION 1		
	Bioengineering in Allied Health RC Moderator: Elizabeth Hile AHB 1047*, 2065, LC 145	Allied Healthcare Delivery & Policy RC Moderator: Leah Hoffman AHB 1117*, 2060, Tulsa Perkins* Auditorium	Wild Card 1: Featured Abstracts RC Moderator: Carrie Ciro AHB 2058*, 2059, LC 137
	Twum-Ampofo, N. et al. <i>Center of pressure and movement proficiency in infants with and without CP using the SIPPC-2</i>	Randall, K. <i>Why patients miss appointments: A pilot study.</i>	Carfagno, K. et al. <i>Cholesterol and cardiovascular health in children and adolescents with endocrine disorders</i> <i>Clinical Discussant: Kevin Short, PhD</i>
	Dionne, C.P. et al. <i>Promotion of health in working-age adults with transtibial limb loss using motion analysis of work performance</i>	Fisher, M.J., Felty, W.P., Hudson, M. <i>Parent involvement in educating professionals about parent-provider communication: A scoping review.</i>	O’Kelly, K. & Ciro, C. <i>Effectiveness of occupation-based compensatory strategies and assistive technology to decrease impairment in adults with low vision.</i> <i>Discussant: Cyndy Robinson, OTD, OT/L, FAOTA</i>
	Smith, J. et al. <i>Dosimetric comparison of pelvic insufficiency fractures in women treated for cancer with IMRT vs. 3DCRT.</i> <i>Discussant: Andrew Fagg, PhD</i>	Walker, D.R. et al. <i>Obesity prevention in early childhood: Statewide assessment and action plan development.</i> <i>Discussant: Martha J. Ferretti, PT, MPH, FAPTA, Suzanne Kimball, AuD, CCC-A, F-AAA</i>	Epling, T. <i>Early functional loss and termination of care in a patient with right-sided glioblastoma</i> <i>Clinical Discussant: Vesper Grantham, Med, RT(N), CNMT</i>

*presentation originates from this room

11:45-12:00	LUNCH PROVIDED TO ATTENDEES WHO REGISTERED (Poster presenters get served lunch first, from 11:30-11:45)		
12:00–12:30	Poster Session 1: OKC Allied Health Atrium/Tulsa Founders Hall		
12:45 – 1:45	ORAL PRESENTATION SESSION 2		
	Translational Allied Health Research RC Moderator: Jennifer Graef AHB 2059*, 2060, LC 137	Interprofessional Allied Health Clinics & Research RC Moderator: Suzanne Kimball AHB 1117*, 1047, Tulsa Perkins Auditorium	Wild Card 2: Featured Abstracts RC Moderator: Sarah Buckingham AHB 2058*, 2065, LC 145
	Hile, E. et al. <i>Pre-injection wheel running and mobility in a rodent model of neurotoxicity.</i>	Barbee, C. & Thomas, R. <i>Interprofessional approach to balance assessment and management.</i>	Lepak, V. et al. <i>Follow-up study on acute effects of localized vibration on flexibility: An RCT</i> <i>Clinical Discussant: Joshua Williams, PT, DPT</i>
	Paulson, C. et al. <i>Comparing non-sterile gloves bombarded with sterile 70% isopropyl alcohol to sterile in radiopharmacy compounding.</i>	Gaeta, L. & Ciro, C. et al. <i>The ‘hear and know’ of administering cognitive assessments to patients with hearing loss.</i>	Finneran, D. et al. <i>The role of linguistic input in children’s grammatical use.</i> <i>Discussant: Katerina Ntourou, PhD, CCC-SLP</i>
	Stout, M. <i>Nutritional interventions for compression of morbidity and lifespan extension.</i> <i>Discussant: Jonathan Baldwin, BSRT, CNMT</i>	Zauner, K. & Hile, E. et al. <i>Preliminary analysis of the effect of prehabilitation on muscle mass, weight, and dietary intake stratified by handgrip strength in pancreatic cancer patients.</i> <i>Clinical Discussants: Leah Hoffman, PhD, RD/LD, CNSC, Cyndy Robinson, OTD, OT/L, FAOTA</i>	Pearson, B.J. et al. <i>Estimates and direct measures of ambient noise and reverberation in Oklahoma public schools.</i> <i>Clinical Discussant: Jillian Detwiler, AuD, CCC-A, F-AAA</i>
1:45 – 2:00	Student Awards/Recognitions *TULSA: Surveys/Dismissal to follow OKC AHB 1047, 1117*, 2058, 2059, 2060, 2065/Tulsa, Perkins Auditorium		
2:10 – 2:35	POSTER SESSION 2: OKC Allied Health Atrium **CAH BAKE SALE!		
2:35- 3:45	OKC Surveys/Dismissal		

POSTER PRESENTATIONS SESSION 1 - OKLAHOMA CITY

1. **Patino, A., Fagg, A.H., Miller, D.P., Ding, L., & Kolobe, T.H.A.**
Electroencephalography from infant motor brain at time of crawling
2. **Blankenship, K., Baldwin, J.D. , & Ciro, C.A.**
Does baseline cognitive status moderate caregiver satisfaction and performance outcomes in people with dementia?
3. **Brice, A.**
Family childcare home provider experiences with the Child and Adult Care Food Program.
4. **Carr, M., Baldwin, J., & Grantham, V.**
Comparison of diagnostic imaging techniques in the diagnosis of osteomyelitis of the foot.
5. **Day, J.D., Waugh, L., D'Agostino, J., Cole, G.A., & Hahn, A.**
Management of pododermatitis with an orthotic boot in a Southern Isabela giant tortoise.
6. **Dionne, C.P., Crawford, D.A., Day, J.D., & Ertl, W.J.J.**
Towards promotion of working-age men with osteomyoplastic transtibial limb loss.
7. **James, S., Meier, E., Wagener, T., Smith, K., Neas, B., & Beebe, L.**
Electronic cigarettes for immediate smoking substitution in women diagnosed with cervical dysplasia and associated disorders
8. **Jeffries, L., Neal, G.E., Effgen, S., Westcott-McCoy, S., & Chiarello, L.**
School-based physical therapy services for students with Down syndrome within the United States
9. **Koldoff, E.A., Holtzclaw, B.J. & Kolobe, T.H.A.**
Why parents participate in early interventions: Parent perspective.
10. **Main, L., & Kimball, S., Hamilton, T.**
Determining personality characteristics in patients with tinnitus through the use of the LIWC 2015 software.
11. **McCullough, C.S. & Ciro, C.**
The influence of home support on baseline upper extremity function for individuals with breast cancer-related lymphedema.
12. **Miles, M., & Baldwin, J.**
Residual radioactivity in saline flushed and non-flushed Tc-99m sestamibi injections
13. **Morris III, C., Baldwin, J., & Belk, C.**
Comparative evaluation of Tc-99m tilmanocept and filtered Tc-99m sulfur colloid in sentinel node mapping
14. **Nanni, A., & Turner, P.**
Determining the level of telehealth education provided in nutrition
15. **Nesin, O.**
Comparison of minimally invasive techniques for treatment of symptomatic uterine fibroids
16. **North, E., Andrews, K., & Kolobe, T.**
Social emotional and adaptive behavior in the first year of life.
17. **Ntourou, K., Furlas, G., Marousos, D., & Paphiti, M.**
Impact of stuttering in preschool-age children and their parents.
18. **Park, E., Boutsen, F.R., & Dvorak, J.D.**
Prosody as an indicator of Parkinson's Disease during reading.

19. **Porter, A., Andrew, K., & Kolobe, T.H.A.**
Predicting developmental outcomes in infants at high risk for developmental delays.
20. **Roughface, R., Baldwin, J., Grantham, V., & Marker, L.**
Removable contamination: A comparison between split-septum and Luer-lock slip grip connectors.
21. **Stewart, C.R., Veirs, K., Day, J.D., Ertl, W.J.J., Dionne, C.P.**
Cross-sectional preliminary results towards promotion of workforce longevity in men with transfemoral limb loss.
22. **Tran, H., Anderson, S., Boyce, K., & Baldwin, J.**
Assessing the role of a contouring program for standardizing medical dosimetry students' contouring skill.
23. **Veirs, K., Day, J.D., Stewart, C.R., Ertl, W.J.J., Smith, B.J., Commuri, S., Regens, J.L., & Dionne, C.P.**
Towards promotion of work participation in men with lower limb loss
24. **Zimmerman, E.A. & Baldwin, J.**
Demographic differences in nuclear medicine employment by state in Spring 2017.

POSTER PRESENTATIONS – TULSA

1. **Bandeh, A. & Ciro, C.**
Effectiveness of forced use therapy on upper body dressing FIM scores following a stroke.
2. ***Brice, A.**
Family childcare home provider experiences with the Child and Adult Care Food Program.
3. ***Carr, M., Baldwin, J., & Grantham, V.**
Comparison of diagnostic imaging techniques in the diagnosis of osteomyelitis of the foot.
4. ***James, S., Meier, E., Wagener, T., Smith, K., Neas, B, & Beebe, L.**
Electronic cigarettes for immediate smoking substitution in women diagnosed with cervical dysplasia and associated disorders
5. **Carter, K.**
Using the treatment-based classification system to evaluate chronic low back pain: A case report.
6. ***Tran, H., Anderson, S., Boyce, K., & Baldwin, J.**
Assessing the role of a contouring program for standardizing medical dosimetry students' contouring skill.
7. **Langston, A. & Ciro, C.**
Baseline performance of self-reported goals of people with generalized muscle weakness admitted to a skilled nursing facility.
8. ***Veirs, K., Day, J.D., Stewart, C.R., Ertl, W.J.J., Smith, B.J., Commuri, S., Regens, J.L., & Dionne, C.P.**
Towards promotion of work participation in men with lower limb loss
9. **Stokes, C.**
Comparison of sonography to digital sialography and magnetic resonance sialography in the diagnosis of sialolithiasis.

10. *Aegerter, K.

Comparison of magnetic resonance imaging and sonography in the diagnosis and staging of nasopharyngeal carcinoma.

11. Wink, M. & Ciro, C.

Effectiveness of occupation-based interventions on functional mobility in young children with motor delays

12. *Bender, D.G., Ciro, C.A., Randall, K., Ross, H.M., Shortridge, A., & Loving, G.

Interactive course to promote interprofessional communication skills for occupational therapy, physical therapy, and nurse practitioner students.

13. Wyatt, M., Isaacson, M., & Worley, J.

Service dog education for individuals with chronic conditions.

14. *Loney, A., & +Kimball, S., Hamilton, T.

Qualitative description of tinnitus and the effects of mindfulness techniques.

15. *Lutter, M.C., & Finneran, D.

African American English dialect: Examining the development of grammatical features in early childhood.

*Posters asked to display as un-manned duplicates in Tulsa.

POSTER PRESENTATIONS SESSION 2 - OKLAHOMA CITY

1. Aegerter, K.

Comparison of magnetic resonance imaging and sonography in the diagnosis and staging of nasopharyngeal carcinoma.

2. Bender, D.G., Ciro, C.A., Randall, K., Ross, H.M., Shortridge, A., & Loving, G.

Interactive course to promote interprofessional communication skills for occupational therapy, physical therapy, and nurse practitioner students.

3. Benear E., Hamilton, T., & Kimball, S.

Determining personality characteristics in patients with hyperacusis through the use of the LIWC 2015 software.

4. Ciro, C. & Blanden, H.

Intra-professional variation in occupational therapy interventions for dementia.

5. Cox, A.M., & Baldwin, J.D.

Syringe shield impact in technologists' radiation exposure.

6. Detwiler, J.L.

When hearing aids are not enough: A simple look in FM system benefit

7. Ellis, R.B.

Plastic syringe adherence of Tc-99m sestamibi compared to various radiopharmaceuticals.

8. Fukuhara, T., Baldwin, J., Talley, K., Sonnad, J.R., & Grantham, V.

The effects of impurities within CO-57 sheet sources on gamma camera uniformity.

9. Gaeta, L., John, A.B., & Hamilton, T.B.

Phenomenology of Spanish-speaking patients with hearing loss in Oklahoma City.

10. **Gurley, A.**
The role of 2D and 3D sonography in the assessment of intrauterine devices.
11. **Hallab, E.K., John, A.B., Kreisman, B.M., & Gaeta, L.**
Effects of speech rate, hearing loss, and first language on speech recognition.
12. **Hassink, V., & Finneran, D.**
African American English in early childhood: A comparison of developmental and dialectical variations in grammar.
13. **Hile, E., Whitney, S., Dvorak, J., Ding, K., & Studenski, S.**
Arthralgias associate with lower balance confidence among breast cancer survivors on aromatase inhibitors: Accelerated aging?
14. **Hilton, J. & Espinoza-Varas, B.**
Auditory neuroplasticity and sensorineural hearing loss
15. **Kuykendall, C., John, A.B., & Gaeta, L.**
Validity in the gaps in noise test and screening version in populations with a sensory neural hearing loss or central nervous system disorder
16. **Loney, A., & +Kimball, S., Hamilton, T.**
Qualitative description of tinnitus and the effects of mindfulness techniques.
17. **Lutter, M.C., & Finneran, D.**
African American English dialect: Examining the development of grammatical features in early childhood.
18. **MacDonald, K.**
Intervention strategies to promote lower extremity health in soldiers with patellar tendinopathy over their time of service.
19. **Miles, C., Hoffman, L., Davidson, V., Neuhold, R., Postier, R., & Hile, E.**
Changes in body composition following prehabilitation and pancreaticoduodenectomy
20. **Patterson, M., Johnson, L., Thomas, R., & James, S.**
A young woman's return to running five years after brain injury: A case study.
21. **South, A. & Hoffman, L.**
Stress and heart disease: linking psychosocial stress to heart disease and exploring mind-body therapies.
22. **To, N.**
Compare and contrast parathyroid scintigraphy with dual-isotope subtraction versus single isotope dual-phase imaging.
23. **Veirs, K. & Dionne, C.P.**
Prevalence of dance-related injury of adolescent female ballet dancers training en pointe: A systematic review.