

COLLEGE OF ALLIED HEALTH 12TH ANNUAL RESEARCH DAY

COLLEGE OF ALLIED HEALTH

April 22, 2022

8:30am-4pm

COLLEGE OF ALLIED HEALTH 12TH ANNUAL RESEARCH DAY

April 22, 2022 ★ 11:15am-12:15pm

ENGAGING TRIBAL COMMUNITIES ON GENETICS: THE CENTER FOR THE ETHICS OF INDIGENOUS GENOMIC RESEARCH

Dr. Paul Spicer



Dr. Paul Spicer is Professor of Anthropology at the University of Oklahoma and an Associate Director of the University's Institute for Community and Society Transformation. He is an applied medical anthropologist who has been principal investigator on projects in addiction, child development, genomics, and cancer. He is a principal investigator of the Center for the Ethics of Indigenous Genomic Research, a National Human Genome Research Institute Center of Excellence in Ethical, Legal and Social Implications Research, director of Community Engagement and Outreach at the Oklahoma Shared Clinical and Translational Resources, and co-leader of the program in Cancer Prevention and Control at the Stephenson Cancer Center. He is Immediate Past President of the Board of Zero to Three, the leading organization for infants, toddlers, and their families in the U.S.

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Please note that presenters are at the room with the asterisk *

8:30-8.50	Welcome Address: Dean Jane Wilson, PhD Susan Sisson, PhD, RDN, CHES, FACSM, Associate Dean for Research <i>OKC: AHB 1117*, 1046, 1047, 2049, 2058, 2065; Tulsa: LC Perkins Auditorium / 222</i>		
8:50-9:00	Short Break		
9:00-10:00	Track 1 Moderator: <u>Lynn Jeffries</u> <i>OKC: AHB 1117*, 1046</i> <i>Tulsa: LC Perkins Auditorium</i>	Track 2 Moderator: <u>Katerina Ntouro</u> <i>OKC: AHB 1047*, 2065</i> <i>Tulsa: LC220</i>	Track 3 Moderator: <u>Jonathan Baldwin</u> <i>OKC: AHB 2049, 2058*</i> <i>Tulsa: LC222</i>
15-min presentations	Mustafa Ghazi: New portable technology to quantify toe strength in chemotherapy-induced peripheral neuropathy.	Monique Shotande: Gait performance of men with osteomyoplastic transfemoral amputation and controls using novel peak analysis.	Shirley James: Longitudinal assessment of children using the school outcome measure.
	Yong Zhou: Exploring diet quality and depression in gastrointestinal cancer survivor: National Health and Nutrition Examination Survey 2005-2018	Hayley Weaver: Radiation hormesis pilot study: Radiation exposure effect on sunflower growth.	Grace Duginski: Feasibility of a wearable focal vibration device on upper extremity rehabilitation in chronic stroke.
	Ashley Fox: Do changes in patient-reported cognition explain change in cognitive performance during taxane-chemotherapy for women's cancers?	Hailey Chamberlin: Comparative study of two wheelchairs for low-resource settings	John Daxon: Assaying radiopharmaceuticals using 3D printed materials.
	Josiah Rippetoe: Intra-session reliability in 1st-ray force contribution to push-off during neurotoxic chemotherapy in women with cancer.	Denise Finneran: Language sample analysis as a culturally valid assessment tool.	
10:00-10.10	Short Break		
10:10-11:00	Track 1 Moderator: <u>Katerina Ntouro</u> <i>OKC: AHB 1117*, 1046</i> <i>Tulsa: LC Perkins Auditorium</i>	Track 2 Moderator: <u>Tara Klinedinst</u> <i>OKC: AHB 1047*, 2065</i> <i>Tulsa: LC220*</i>	Track 3 Moderator: <u>Jennifer Graef-Downard</u> <i>OKC: AHB 2049, 2058</i> <i>Tulsa: LC222</i>
15-min presentations	Josiah Rippetoe: How cognition impacts motor learning and skill acquisition using a robot intervention for cerebral palsy.	Ashley Efaw: Occupational therapy student-initiated journal clubs in pediatric fieldwork settings.	Michele Zezima: Caseload prevalence and therapist knowledge of students with functional constipation and bowel & bladder dysfunction.
	Nathan Huffman: Automatically identifying developmental micro-milestones from infant motion data.	Carolyn Cheema: The effectiveness of post-professional physical therapist training in the treatment of chronic low back pain using a propensity score approach with machine learning.	Sarah Ridilla: Pain and self-pressure relief in adolescents with cerebral palsy.
	Mustafa Ghazi: MOVIT: Monocular Vision-based tracking.	Juanita Hinckle: Planting seeds for hope: A study of hope and flourishing through a gardening intervention.	Cheyenne Anderson: Communication sciences and disorders (CSD) students' attitudes about, experience with, and knowledge of hearing aids.

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11:00-11:15	Break		
11:15-12:15	PLENARY SESSION Keynote Speaker: Dr. Paul Spicer "Engaging Tribal Communities on Genetics: The Center for the Ethics of Indigenous Genomic Research" <i>OKC: AHB 1117*, 1046, 1047, 2049, 2058, 2065; Tulsa: LC Perkins Auditorium* / 222</i>		
12:15-1pm	Lunch Break		
1:00-2pm 3-min flash talks (+2 min Q& A)	Track 1 <u>Moderator: Denise Finneran</u> <i>OKC: AHB 1117*, 1046</i> <i>Tulsa: LC Perkins Auditorium</i>	Track 2 <u>Moderator: Vince Lepak</u> <i>OKC: AHB 1047*, 2065</i> <i>Tulsa: LC220*</i>	Track 3 <u>Moderator: Christi Barbee</u> <i>OKC: AHB 2049, 2058*</i> <i>Tulsa: LC222</i>
	Amanda Porter: Location of school-based therapy: Does it matter when examining participation outcomes?	Chelsea Haller: School-based occupational therapy and physical therapy dosage patterns based on student diagnosis.	Hayley Bergner: Tagging efficiency of radiolabeled eggs with technetium 99m macroaggregated albumin compared to technetium 99m sulfur colloid for gastric emptying studies.
	Yo Shih: Walking with poles improves step length of simulated prosthetic gait.	Amy Treat: Examining learning-related functional performance of students with ASD receiving school-based occupational therapy.	Amber Colyer: Geographical access to nuclear cardiology services and Oklahoma ischemic heart disease mortality 2017.
	Divya Patel: Food waste, preference, and cost: perceived barriers and self-reported foodservice best practices in childcare homes.	Tara Klinedinst: Daily routine as a modifiable factor for improved medication adherence.	Ryan Franklin: Effects of medication misadministrations across nuclear medicine.
	Kyle Cantu: Inter-rater reliability on two wheelchair measures between rehabilitation therapists and novice students.	Kangjun Seo: Data-driven learning analysis of spatiotemporal plantar force patterns, for application to chemo-induced peripheral neuropathy.	Sreemahi Logan: Hippocampal transcriptional signatures delineate cognitive impairment and heterogeneity in aging.
	Caroline Wagner: Comparing strategies used by infants with and without cerebral palsy during motor learning.	Ahmed Elsebaay: Application of data-driven learning to model plantar pressure variability in a woman with uterine cancer.	Harper Musselman: Radiation hormesis pilot study: Effects of radiation exposure on wheat growth.
	Karlee Doak: Effect of hearing acuity on listening effort measured with pupillometry.	Denise Bender: Pivoting a campus-wide All Professions day into a virtual delivery model: Lessons learned.	Jordan Williamson: Sex differences in connectivity of hippocampus in early stages of Alzheimer's Disease
2-2.30pm	Closing Remarks / Awards <i>OKC: AHB 1117*, 1046, 1047, 2049, 2058, 2065; Tulsa: LC Perkins Auditorium* / 222</i>		

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2.30-3.30pm	LAB TOURS		
	Oklahoma City Campus		
	Lab Name	Room Number	Director of the Lab
	Center for Human Performance Measurement	3020	Dr. Shih
	Communications & Aphasia Research Lab (CAR)	2074b	Dr. Tetnowski
	Behavioral Nutrition and Physical Activity Laboratory	3121	Dr. Sisson
	Child & Family Stuttering Lab	2074	Dr. Kat
	OU Neural Control and Rehabilitation Laboratory (NCRL)	2029	Dr. Yang
	Tulsa Campus		
	OU Neural Control and Rehabilitation Laboratory (NCRL)	3E01	Dr. Yang
3.30-4pm	Stephenson Cancer Center		
	Lab Name	Room Number	Director of the Lab
	OU Health Stephenson Cancer Center Cancer Rehabilitation Clinic and Research Laboratory	SCC	Dr. Hile