RESEARCH & INNOVATION DAY 2024

Innovating to Advance Health for All
<table>
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<th>Time</th>
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| 8:00 - 9:00 am   | Registration and Coffee  
First Poster Session Set-Up                                             |
| 9:00 - 9:15 am   | WELCOME AND OPENING REMARKS:  
Freddie Patterson, PhD  
Associate Dean of Research,  
UD College of Health Sciences  
Bill Farquhar, PhD  
Dean,  
UD College of Health Sciences |
| 9:20 - 10:15 am  | KEYNOTE:  
Josiane L. Broussard, PhD  
Director, Sleep and Metabolism Lab &  
Associate Professor of Health and Exercise Science,  
Colorado State University |
| 10:15 - 10:45 am | 1-minute Podium Poster Pitches                                           |
| 10:45 - 11:00 am | Break                                                                    |
| 11:00 am - 12:00 pm | First Poster Session                                               |
| 12:00 - 1:00 pm  | Lunch                                                                   |
| 1:00 - 2:00 pm   | KEYNOTE:  
Kimberly Canter, PhD  
Pediatric Psychologist & Research Scientist, Nemours Center for Healthcare Delivery Services & Associate Professor of Pediatrics, Thomas Jefferson University |
| 2:00 - 2:30 pm   | 1-minute Podium Poster Pitches                                           |
| 2:30 - 3:30 pm   | Second Poster Session                                                   |
| 3:45 - 4:00 pm   | Award Winners Announced and Closing Remarks                             |
2 Visceral adipose of obese mice inhibits endothelial inwardly rectifying K+ channels in a CD36-dependent fashion. Sabita Rokka, Sadeghinejad Masoumeh, Hudgins Emma, Johnson E, Nguyen Thanh, Fancher Ibra

4 Regulation of muscle function by circular RNA circNFIX in spastic cerebral palsy. Brigette Romero, Parsa Hoque, Karyn Robinson, Stephanie Lee, Vijay Parashar, Robert Akins, and Mona Batish

6 Elevated Mitochondrial CD36 and Superoxide Production in Endothelial Cells Exposed to Prolonged High Glucose and Fatty Acids In-vitro. Bhaswati Kashyap*, Thanh Nguyen, Erica Johnson, Ibra S Fancher*

8* Virus-Like Particle (VLP) Platform for In Vitro Functional Characterization of ABCA4 Variants in Inherited Retinal Diseases. Senem Cevik, MS, Subhasis B. Biswas, PhD, Esther Biswas-Fiss, PhD, MB(ASCP)CM

10* Identifying circular RNA circNFIX expression in human iPSC-derived cardiomyocytes treated with proteasome inhibitors. Theresa Edery, Grace Davis*, Brigette Romero Carpio, Chi Keung Lam, Mona Batish

12* Identifying circular RNA circZNF609 expression in human iPSC-derived cardiomyocytes treated with proteasome inhibitors. Grace Davis*, Theresa Edery, Brigette Romero Carpio, Chi Keung Lam, Mona Batish

14* Metabolic Regulation of Cyclic di-AMP in Mycobacterium Tuberculosis. Sadik Sattar, Vijay Parashar

16 Gene expression changes in the SynAb group following Achilles tendon ablation. Rita de Cassia Marqueti, Lily M. Lin, Justin Parreno, Karin G. Silbernage, Dawn M. Elliott

18* Exploring the Role of Visceral Fat as a Negative Regulator of Vascular Function In Obesity. Malak Alradi, Ibra Fancher

20 CircFISH- a novel method for simultaneous imaging of linear and circular RNAs. Aakash Koppula, Ahmed Abdelgawad, Jlenia Guarnerio, Vijay Parashar, Mona Batish

22 Role of proteostasis in erythroid differentiation and CD71 trafficking. Hayden Harach, Emily Babiarz, Mark Shaw, Erin Bernberg, Brewster Kingham, Arit Ghosh

POSTER PRESENTATIONS

First Poster Session - 11:00 am - 12:00 pm
*Podium Pitch Presentation (Randomly Selected)
24*
Physical Activity, Sedentary Behavior, and Cardiometabolic Health of Adults with Intellectual Disability: A Meta-Analysis
Cora J. Firkin, Laura C. Koch, Gregory M. Dominick, Adam Davey, Iva Obrusnikova

26
Sympathetic and blood pressure reactivity in young adults with major depressive disorder
Ashley M. Darling, Benjamin E. Young, Rachel J. Skow, Cynthia M. Domínguez, Erika F. H. Saunders, Paul J. Fadel, Jody L. Greaney

28
Depressive symptom severity sensitizes the link between positive affective responsivity to daily stressors and reduced heart rate variability in young adults
Aaron S Autler, Ashley M Darling, Jacqueline Mogle, David M Almeida, Erika FH Saunders, Jody L Greaney

30*
No Effect of Serum 25-Hydroxyvitamin D Supplementation on Peripheral or Central Blood Pressure in Young Black Women
Mackenzie L. Rattigan, Michele N. D’Agata, Krista M. Szymanski, Alexs A. Matias, Melissa A. Witman

32*
Health for All: Blood Pressure Disparities in New Castle County, Delaware
Emma Mathias, Christine Sowinski, Heather Milea, Jennifer Horney

34
The effect of apiaceous vegetables on biomarkers of endothelial dysfunction in an atherosclerosis-prone mouse model
Brandy L. Le, NDTR; Sabrina Trudo, RD, PhD; Sheau Ching Chai, RD, PhD; Jillian Trabulsi, RD, PhD; Jae Kyeom Kim, PhD

36
An Exploration of Nursing Students’ Perceptions of Learning Transfer from Simulation-Based Setting to Clinical Practice: A Mixed-Method Study
Anthony Gariba, Beatrice Gaynor PhD

38*
Comparison of Symptoms and Function in Children with Heel Pain and Adults with Achilles Tendinopathy
Kayla D. Seymore, Morgan N. Potter, Shawn L. Hanlon, Bradley C. Bley, Karin Grävare Silbernagel

40*
Sex Differences for Eating Habits Among Student Athletes
Delaney Moore, Elizabeth Orsega-Smith, Carly Pacanowski

42
Does sex influence presentation of Achilles tendinopathy?
Morgan N. Potter, PT, DPT, Ryan Pohlig, PhD, Karin Grävare Silbernagel, PhD, PT, ATC, FAPTA

44*
Differences in Prosthetic-Specific Outcomes among Adults with Chronic and Non-Chronic Back Pain and No Back Pain
Shahi A; Stauffer SJ; Sions JM
46* History of Concussion or ACL Injury Is Not Associated with Worse Health-Related Quality of Life Scores
Caitlin A. Gallo, Scott W. Passalugo, Lauren J. Cardone, Radhika H. Thakkar, Thomas A. Buckley

48 Emerging Concussion Assessments Baseline Performance in Ice Hockey Players Across Age Groups
Scott W. Passalugo, Caitlin A. Gallo, Radhika H. Thakkar, Lauren J. Cardone, Thomas A. Buckley

50* The Relationship Between Ice Hockey Player Career Duration and Quality of Life
Lauren J. Cardone, Caitlin A. Gallo, Scott W. Passalugo, Thomas A. Buckley

52* Compassion Fatigue: The Cost of Caring in Nursing
Sandi Nolan

54 A Feasibility Study of Brain-WISE: A Group-Based, Person-Centered Dementia Risk Reduction Program
Matthew L. Cohen, Kimberly Van Buren, Mindy J. Myers, James M. Ellison Christopher R. Martens, Alyssa M. Lanzi

56 Targeted training of proprioception using an integrated robotic-joystick approach improves sensorimotor function in chronic stroke
Duncan Thibodeau Tulimieri, GilHwan Kim, Fabrizio Sergi, Jennifer A. Semrau

58 Understanding the Contributions of Proprioceptive Impairment on Arm Capacity and Real-World Performance After Stroke
Hoh JE, Reisman DS, Semrau JA

60 Methodological Considerations for the Rate of Force Development Scaling Factor in Parkinson’s Disease
Rebecca Daniels, Christopher Knight

62 Reinforcement and Error Feedback Differentially Impact Motor Exploration During Locomotion
Gray, Julia; Roth, Adam; Cashaback, Joshua; Jeka, John

64 In-Lab Gait Speeds Represent a Small Portion of Real-World Gait Speeds
Julien A. Mihy, Mayumi Wagatsuma, Spencer N. Miller, Stephen M. Cain, Jocelyn F. Hafer

66 The effect of Exergaming Intervention on Executive Functioning in Individuals with Autism Spectrum Disorder (ASD).
Tsai, JM., Corey, J. Kathiravan, Bhat, A. 1,2

68 Commonly Used Clinical Tests and Surveys Are Not Sensitive to Improvements in Biomechanics or Walking Function With Passive-Dynamic Ankle Foot Orthosis Use
Zahra McKee, Jacob Skigen, Darcy Reisman, Elisa Arch
POSTER PRESENTATIONS

70*
Does In-Lab Gait Speed Relate to Real-World Pain or Fatigue?
Grace V Chesley, Mayumi Wagatsuma, Julien A Mihy, Jocelyn F Hafer

72
Altering PD-AFO Stiffness affects Cost of Transport in Participants Post-Stroke
Shay Pinhey, Elisa Arch, Darcy Reisman

74
Passive Dynamic Ankle-Foot Orthoses Ellicit Greater Change in Non-paretic Cost of Transport than Paretic
Jacob T. Skigen, Zahra McKee, Shay Pinhey, Darcy Reisman, Elisa S. Arch

76*
Cora J. Firkin, Laura C. Koch, Gregory M. Dominick, Adam Davey, Iva Obrusnikova

78*
Promoting walking behavior and reducing stationary time in physically inactive adults: the Walking with JITAI study protocol
Cora J. Firkin, Ajith Vemuri, Stephanie A. Malone, Qiulin Chen, Tanvir Rahman, Keith Decker, Gregory M. Dominick

80*
Perceptions of Physical Activity Participation and Technology Use in Autistic Adults
Sydney Bouder, Melissa Melough, Daehyoung Lee

82
Community-Engaged Collaborative Workshops for mHealth Intervention Development to Increase Physical Activity and Reduce Sedentary Behavior among Autistic Adults
Sophia Kayatta, Iva Obrusnikova, Richard Suminski, Anjana Bhat, Daehyoung Lee

84
Disruption, Adaptation, and Maintenance of Domestic Violence Services during the COVID-19 Pandemic
Annaliese Pena, JA Horney, SE Scales, RE Fleury-Steiner, LC Camphausen, SL Miller

86
The Association Between Social Determinants of Health and Cardiovascular Risk in a National Sample of Pregnant Women
Shazia Shaukat, MBBS, MPH; Xiaopeng Ji, PhD, MS, RN; Lauren Covington, PhD, RN

88
Health for All: Blood Pressure Disparities in New Castle County, Delaware
Emma Mathias, Christine Sowinski, Heather Milea, Jennifer Horney

90
Depressive symptoms, daily stress, and coping strategies among caregivers of toddlers experiencing socioeconomic disadvantage.
Charlotte Asiedu, Destiny Mahmood, Emma Archer, Kiara Shay, Lauren Covington
ANEW-Gold: Aligning Nutrition, Exercise, and Wellbeing in the Older Adult Population
Rose Freel, Tara Leonard MS, NBC-HWC, Elizabeth Orsega-Smith, PhD

Exploring Associations between Perceived Racism and Health Status in Adults with ADL and IADL Disabilities in 2022
Abbey Ketterling, MPH, Tarang Parekh, PhD, MBBS

“A systematic Review of Factors Influencing Physical Activity and Exercise of Adults with Intellectual Disabilities”
Riley Pennington, Iva Obrusnikova, Cory Lucatamo, Cora J. Firkin

Service Receipt during the COVID-19 Pandemic and its Relationship to Various Outcomes in Children with Autism Spectrum Disorder (ASD)
Jung-Mei Tsai & Anjana Bhat

Facilitating Research Data Exchange among Delaware Healthcare Providers Using OMOP and FHIR
Christopher A. Pennington, H. Timothy Bunnell, Claudine Jurkovitz, Bill Moyers

Suicide Screening in Primary Care: A Review of the Literature
Alyssa Selimov, J. Graber

A Mixed-Methods Investigation of Obesity Prevention Policy and Program Implementation in the national SNAP-Ed system
Kristin Kelly, MA

Evaluation of the Accessibility and Usability of Delaware’s Parks and Playgrounds for People with Disabilities
Lauren Rechner, Cora Firkin, Iva Obrusnikova

Habitual Sleep Duration and Sleep Efficiency Do Not Mediate the Relation Between Race and Nocturnal Blood Pressure Dipping in Young Black and White Women
Michele N. D’Agata, Elissa K. Hoopes, Thomas Keiser, Krista M. Szymanski, Alexis A. Matias, Freda Patterson, Benjamin C. Brewer, and Melissa A. Witman

Vitamin D status among pregnant, lactating, and women of reproductive age in the United States
Sanaz Pourreza, Bridget O’Donnell, Melissa M. Melough

Acceptability, usability and feasibility of a sleep chatbot intervention for young Black/African American adults
Sanaz Taherzadeh, MS, RN, Janeese A. Brownlow, PhD, Freda Patterson, PhD, Elizabeth Orsega-Smith, PhD, Jingwen Zhang, PhD, Xiaopeng Ji, PhD, RN
114*
The First Foods Study: Evaluating the effects of first complementary foods on the infant gut Microbiota
Lynn E. Ferro, Kyle Bittinger, Sabrina P. Trudo, Clarisse M. Hunt, Jae Kyeom Kim, Jillian C. Trabulsi

116*
Higher body shame after viewing traditional nutrition messages about weight control compared to intuitive eating messages in those at high risk for eating disorders
Diane Vizthum, MS, RD; Christine Skubisz, PhD; Julia Katcher, PhD, RD; Carly Pacanowski, PhD, RD

118
Associations of Urinary Phthalate Metabolites with Glucose Metabolism Markers in US Adults and Potential Modification by Oxidative Balance Score, NHANES 2015–2018
Mary D. Webb, Ben Brewer, Sheela Sathyanarayana, Jee Won Park, Jillian C. Trabulsi, Drew B. Day, Melissa M. Melough

120
Screening for Obstructive Sleep Apnea in Patients with Unhealthy Weights in Primary Care
Janice James-Webb, MS, AGPCNP-BC, Sharon Dudley-Brown, PhD, FNP-BC, FAAN, FAANP

122 *
Gut Microbiome Dysbiosis in an Animal Model of Stuttering
Sayan Nanda, Nicole Guarino, Bryan Lamot, Evan Usler, Diane Chugani, Aditya Dutta, Ho Ming Chow

*Podium Pitch Presentation (Randomly Selected)
1* Obesity induces an increase in fatty acid uptake in endothelium of visceral adipose arteries without altering CD36 expression
Erica Johnson, Caitlin Halbert, Thanh Nguyen, Ibra S Fancher

3 Elevated glucose impairs endothelial Kir2.1 channel function and downregulates glycan core protein expression in vitro
Emma C. Hudgins, Masoumeh Sadeghinejad, Erica J. Johnson, Ibra S. Fancher

5 Identification of a novel consensus motif for selective sorting of circular RNAs into extracellular vesicles
Ahmed Abdelgawad, Yiyao Huang, Olesia Gololobova, Kenneth Witwer, Vijay Parashar and Mona Batish

7 Computational analysis of Human papillomavirus (HPV) E1, E2, E6, E7 proteins, the LCR regions, and biological consequences
Sean Fletcher, Anshul Rana, Esther Biswas, Subhasis Biswas

9 Biochemical Analysis of Swarming Motility in Bacilli
Richard Knappenberger, M. Batish, V. Parashar

11 Analysis of Retinal Binding in ABCA4 in Inherited Retinal Disease: Computational and Functional Approaches

13 Structural analysis of crosstalk between Type I and Type III CRISPR Systems
Pengjun Xia, Anirudha Dutta, Kushol Gupta, Mona Batish and Vijay Parashar

15* Apiaceous vegetable consumption mitigates the negative effects of ACR exposure on immune response, energy production and cytoskeleton-related gene expression.
Liana N. Crowley, Erin Brannick, Jillian C. Trabulsi, Joe Kyeom Kim

17* Evaluation of T cell co-culture systems for recognition of ER-phagy based reporter cancer cell lines and tumor organoids.
Emily Babiarz, Lina Pradhan, April Kloxin, Arit Ghosh

19* A Quantitative Analysis of HPV E2-DNA Interactions
Roxanne Evande, Esther E. Biswas-Fiss and Subhasis Biswas

21* The Effect of Early Life Adversity on the PAG
Prysakar, M., Collins, N.J., Ross, S., Ayers, L.W., Rosen, J.B., & Roth, T.L

23* Elucidating the role of viral E1 & E2 protein in HPV DNA replication initiation
Anshul Rana, Esther E. Biswas-Fiss and Subhasis S. Biswas

Second Poster Session - 2:30 - 3:30 pm
*Podium Pitch Presentation (Randomly Selected)
25* Feasibility of an intervention to reduce unplanned readmissions of patients hospitalized for heart failure within 30 days of discharge
Ludmila Santiago-Rotchford, Jennifer Saylor, Kathleen Schell

27* Impaired Vascular Function in Boys with Duchenne Muscular Dystrophy
Alexs A. Matias, Krista M. Szymanski, Michele N. D’Agata, Mena Scavina, Michael A. McCulloch, David G. Edward, Melissa A. Witman

29* Blood Pressure Variability in Menopausal Women
Marshaan Ebuenga-Smith, Allyson I. Schwab, Shane J. McGinty, Megan M. Wenner

31 Cardiovagal Baroreflex Sensitivity in Pre- and Perimenopausal Women
Allyson I. Schwab, Shane J. McGinty, Megan M. Wenner

33 The Association Between Dietary Omega-3 Fatty Acids and Arterial Stiffness in Adults Consuming a High Sodium Diet

35* Nursing Clinical Scholars Program: A Scoping Review
Isabella Leonardo, Jennifer Saylor, Jennifer Graber, Rosemary Wurster, Elizabeth Speakman

37 Factors Associated with Radicular Symptoms among Adults with Lower-Limb Loss and Low Back Pain
Stauffer, SJ; Sions, JM

39* Quadriceps Femoris Muscles Aren’t Pulling Their Weight Evenly after ACLR
Claudia Jean Kacmarcik, PT, DPT, Naoaki Ito, PT, DPT, Lynn Snyder-Mackler, PT, ATC, FAPTA, Haraldur B Sigurdsson, PT, PhD, Karin Gravare Silbernagel, PT, ATC, PhD

41 Can Neuromuscular Electrical Stimulation Induce the Same Tendon Loading Compared to a Matched Voluntary Contraction? A Pilot Study.
João Luiz Quaglioti Durigan, Jack Felipe, Stephanie Cone, Karin Gravare Silbernagel

43* Achilles Insertion Structure is Associated with Pain and Gait Kinematics in Individuals with Insertional Achilles Tendinopathy
Hayley Powell Smitheman, Nabeel H Alghamdi, Kayla D Seymore, Karin Gravare Silbernagel

45* Movement Evoked Pain During Hopping Is A Unique Measure of Pain for Midportion Achilles Tendinopathy
Andy K. Smith PT, DPT, MS, Katie Butera PT, DPT, PhD, Karin Gravare Silbernagel PT, ATC, PhD
47 Are Neurological Responses Associated with Low Back Pain Outcomes Across Three Months? A Preliminary Study. Annie Zarama, Gregory Hicks, Katie Butera

49 Concussion Baseline Gait Characteristics in Adolescent and Children Ice Hockey Players Radhika H. Thakkar, Scott W. Passalugo, Caitlin A. Gallo, Lauren J. Cardone, Thomas A. Buckley

51 Does the exercise program change muscular composition in patients with achilles tendinopathy? Merve Karapinar, Hayley Powell Smitheman, Stephanie Cone, Karin Gravare Silbernagel

53 Cross-domain latent profiles of MCI and dementia are most differentiated by social and emotional functioning Matthew L. Cohen, PhD, Aaron J. Boulton, PhD 1 Callie E. Tyner, PhD, Jerry Slotkin, PhD, Sandra Weintraub, PhD, Richard C. Gershon, PhD, Hiroko H. Dodge, David S. Tulsky, PhD

55 The Effects of Added Sugar Intake on Memory Function in Midlife Adults Zoe Rigas, Nicholas Rizzi, Catherine Awad, Faria Sanjana, Matthew L. Cohen, Kevin Decker, Christopher Martens

57 Proprioceptive signaling of the upper limb influences oculomotor function and may suggest impaired multisensory integration after stroke. Amelia Decarie, Duncan T. Tulimieri, Tarkeshwar Singh, Jennifer A. Semrau

59 Enhanced Play Education for Infants Increases Motor and Cognitive Development Samantha F. Namit, Julie M. Orlando, Zainab Alghamdi, Abram Banoub, Michele A. Lobo

61 Effects of auditory cueing on rapid force production in people with Parkinson’s disease Emma Szydlow, Rebecca Daniels, Christopher Knight

63* Validation of force-plate estimated rotational velocity during the Push-and-Release Test Nicole LaCascio, Michael Christensen, James Tracy, Grace Kellaher, Jeremy Crenshaw

65 Nintendo switch exergaming to promote gross motor skills and physical activity in children with autism. Jacob Corey, J. Tsai, S. Kathiravan, A. Bhat

67* Evaluating Clothing Accessibility for Individuals with Impaired Arm Mobility Regan B. Whitaker, Sarah Megivern, Tamara Wright, Julie M. Orlando, Michele A. Lobo
POSTER PRESENTATIONS

69*
Parent’s Knowledge and Beliefs Across Time in an Educational Intervention Study
Julie M. Orlando, Nate Mange, Zainab S. Alghamdi, Michele Lobo

71
Quantifying temporal proprioceptive acuity during passive movement
Devin S. Austin, Jennifer A. Semrau, PhD

73*
The Influence of Muscle Function on Gait Mechanics
Millissia A. Murro and Jocelyn F. Hafer

75
Changes in Grey and White Matter Microstructure in the Aging Brain
Abigail E. Bower, MA, Jae Woo Chung, PhD, Roxana G. Burciu, PhD

77*
Can Improving Knee Pain Change Sedentary Behavior in Individuals with Knee Osteoarthritis?
Thomas K Videtich ByePT, DPT, MS, CSCS; Sydney Liles PT, DPT; Jason T Jakiela PhD; Simon Herrera Suarez PT, DPT, MS; Daniel K White PT, ScD, MSc

79
Do You Believe in Exercise for Osteoarthritis? Exploring Differences in Participant Characteristics with Treatment Beliefs in Exercise for Knee Osteoarthritis
Sydney Liles PT, DPT, MS; Jason T Jakiela PhD; Thomas K Bye PT, DPT, MS, CSCS; Jennifer Copson, MS, MA; Daniel K White PT, ScD, MSc

81*
Stakeholder input on feasibility and acceptability of a novel exergaming intervention for individuals with ASD
S. Kathiravan, J. Corey, J. Tsai, & A. Bhat

83*
Identifying Multi-Level Factors Associated with Sedentary Behavior in Adults with Intellectual Disabilities in Community Living Arrangements
Paige Laxton, Sean Healy, Benjamin Brewer, Elizabeth Orsega-Smith, Bryan McCormick, Julie Daly, Lee Smith, Freda Patterson

85
Impact of the State Health Improvement Plan on Delawareans
Peyton Free and Palma Bauman

87
Health impacts of periodic floods on internally displaced people of Maban-South Sudan.
Adam Bitunguramye, Sarah Scales, Jennifer Horney

89
Implementing Disaster Response Training for Nurses: A Quality Improvement Project
Elizabeth Ortiz, MSN, RN, Sharon Dudley-Brown, PhD, FNP-BC, FAAN, FAANP

91
Bhumi Vora, BAMS; Tarang Parekh, PhD, MBBS
93  Association Between COVID-19 and Cardiovascular Disease Across Income Levels: Analysis of BRFSS Annual Survey Data 2022  
Kareem Khairy, Amirah Ellis-Gilliam, Jee Won Park

95  Feasibility of Implementing a Home Food Environment-Focused Intervention to Increase Fruit and Vegetable Accessibility  
Adriana Verdezoto Alvarado, MS; Sonia Vega-López, PhD; Laurie Ruggiero, PhD; Carrie Earthman, PhD; Shannon Robson, PhD, MPH, RD

97  The Impact of COVID-19 on Individuals with Disabilities in Delaware  
Lauren Rechner, Dr. Jen Horney

99* School Nurse Academic Partnership Exploring and Addressing Pediatric Health Inequities Through Community Engagement  
Sanaz Taherzadeh, MS, RN, Xiaopeng Ji, PhD, RN, Shannon Mayberry, MS2, Heidi Hildick, MSN, RN, NCSN, CPN, Freda Patterson, PhD, Lauren B Covington, PhD, RN

101* Developing a Symptom-Monitoring/ Self-Management Program to Improve Sexual Wellness after SCI and TBI  
Chloe DeHart, BS, Pamela A. Kisala, MA, Jerry Slotkin, PhD, Aaron Boulton, PhD, and David S. Tulsky, PhD

103* Examining Household Smoke Exposure on Outcomes in Children  
Annie Antonov, Shannon Robson, Benjamin Brewer

105  Evaluation of Recall Error in a Study of Families With Children After the Deepwater Horizon Oil Spill  
Zackery White, Jee Won Park, David Abramson, James Kendra, Jennifer Horney

107* The CTR Network in the National COVID Cohort Collaborative (N3C)  
Suzanne M. McCahan, Cara Reed, Christopher Pennington, Dan Eckrich, Claudine Jurkovitz, H Timothy Bunnell

109  Overhydration Influences Dual-Energy X-Ray Absorptiometry Muscle Measures in Individuals with Liver Cirrhosis  
Robert Weimer, BS, Lindsay Plank, PhD, Alisha Rovner, PhD, Luke O. Smith, PhD, Carrie Earthman, PhD, RDN

111  Sleep Health, Diet Quality and Movement Behaviors in Delaware Preschoolers  
Kiara Shay, Benjamin Brewer, MS, Adriana Verdezoto Alvarado, MS, Angeni Cordova, MPH, BS, Emma Archer, BS, Xiaopeng Ji, PhD, MS, RN, Freda Patterson, PhD, Shannon Robson, PhD, MPH, RD, Lauren B. Covington, PhD, RN
POSTER PRESENTATIONS

113
Irregular Sleep and Eating Timing Associated with Increased Carotid Intima-Media Thickness in Healthy Young Adults

115*
Dietary sodium density and blood pressure in athletes and non-athletes in young adulthood and Midlife
Jessica M. Irwin, Kristina Krieger, Lindsey M. Mirkes, David G. Edwards, Jacob J. Capin, Shannon L. Lennon

117
Understanding Dietary Behaviors in Pre-school Children with Neurodevelopmental Disabilities
Lauren Krott, Carissa Baker-Smith, Anjana Bhat, Benjamin Brewer, Freddie Patterson, Shannon Robson

119
Weight bias among female undergraduates in health–related majors: A systematic review
Cash, H., Baum, S., Penn, H., Katz, S., Skubisz, C., Vizthum, D., Pacanowski, C.

121
Development of Speech Rhythm Among School Age Children
Grace Gervino, Janina Boecher, Ho Ming Chow, Emily Garnett, Soo-Eun Chang, Evan Usler

123
Feasibility and Fidelity of Two Play Education Programs for Parents of Infants
Evelyn Schloer, Julie M. Orlando, Smita Gopalakrishnan, Michele A. Lobo

Second Poster Session - 2:30 - 3:30 pm
*Podium Pitch Presentation (Randomly Selected)
Thank you to all the individuals who made today possible.

CHS Research Committee
Freddie Patterson, Associate Dean for Research
Vijay Parashar, Medical and Molecular Sciences
Tom Buckley, Kinesiology and Applied Physiology
Sayako Earle, Communication Sciences and Disorders
Jee Won Park, Epidemiology
Melissa Melough, Health Behavior & Nutrition Sciences
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Lauren Covington – NURS
MaryAnn Eastep – HBNS
Mona Batish – MMS
Shannon Robson – HBNS
Sharon Dudley-Brown – NURS
Tarang Parekh – EPI
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