

**Elizabethtown College**  
**Occupational Therapy Department**  
**Occupational Therapy Graduate Research Symposium**  
**2020**



**Embracing the Future: Empowering  
Occupational Therapy Through Research**

**April 20, 2020**  
**Sponsored by**  
**Pi Theta Epsilon**  
**Upsilon Chapter**

**The Occupational Therapy Faculty and Graduate Students  
welcome you to**

***The Occupational Therapy Graduate  
Research Symposium 2020***

**Elizabethtown College  
April 20, 2020**

5:00-5:30 Opening Remarks  
Nancy Ann Carlson, PhD, OTR/L  
Associate Professor, Occupational Therapy

Keynote Speaker:  
Kelly Downs Upton '09, MS, OTR/L

**Masters Project Presentations will be held  
concurrently in virtual format via the Zoom links  
listed in each Graduate Project**

**Recording, downloading and/or photographing  
of the OT Graduate Research Symposium  
events is strictly prohibited.**

***SPECIAL NOTE:* CEU's will be awarded to attending clinicians  
who have registered for this Graduate Symposium  
on the evening of April 20, 2020, only.**

Time		PDU
5:00-5:30	<p><b>Welcome and Opening Remarks; Keynote Address</b></p> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/98530577737">https://etown.zoom.us/j/98530577737</a></p>	.75
Time	MASTERS PROJECT PRESENTATIONS	PDU
5:40–6:10	<p><b><i>Clinical Reasoning of Occupational Therapy Practitioners: Upper Extremity Orthotics in the Acquired Brain Injury Population</i></b>  Graduate Students: Madelyn Baker, Abigail Drumheller, Megan Elmer, Kristen Klose  Faculty Mentor: Gina Fox, OTD, OTR/L  <b>Purpose:</b> The purpose of this study is to understand occupational therapy practitioners' clinical reasoning process when recommending orthotics and devices in the acquired brain injury population. We aim to identify and analyze the factors which contribute to this reasoning process. Identifying these factors would be helpful to encourage consistent care in upper extremity management.  <b>Research Question:</b> What factors influence occupational therapy practitioners' clinical reasoning when recommending orthotics and devices for management of upper extremity motor impairments in clients with acquired brain injury?</p> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/94341663696">https://etown.zoom.us/j/94341663696</a></p>	.50
5:40–6:10	<p><b><i>Interoception: Analysis of Caregiver and Child Experiences</i></b>  Graduate Students: Erika Cole, Rebecca Crawmer, McKenna Stengel  Faculty Mentors: Kerri Hample, OTD, OTR/L, FMCHC, and Kelly Mahler, MS, OTR/L  <b>Purpose:</b> Explore the differences and similarities between caregiver and child experiences regarding interoception.  <b>Research Questions:</b></p> <ol style="list-style-type: none"> <li>1. Are the <i>Caregiver Questionnaire for Interoceptive Awareness</i> and <i>Interoceptive Awareness (IA) Interview</i> reliable measures of interoception in children?</li> <li>2. What is the correlation between the <i>Caregiver Questionnaire for Interoceptive Awareness</i> and <i>Interoceptive Awareness (IA) Interview</i>?</li> <li>3. What is the correlation between BRIEF-2® and <i>Caregiver Questionnaire for Interoceptive Awareness</i>?</li> <li>4. Is there congruence between the change scores on the <i>Caregiver Questionnaire for Interoceptive Awareness</i> and the change scores of the <i>Interoceptive Awareness (IA) Interview</i>?</li> </ol> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/96130936598">https://etown.zoom.us/j/96130936598</a></p>	.50
5:40–6:10	<p><b><i>The Role of Occupational Therapy Practitioners in School Recess</i></b>  Graduate Students: Amber Burd, Nichole Campbell, Meghan Chemidlin  Faculty Mentor: Judy Beck Ericksen, Ph.D., OTR/L  <b>Purpose:</b> The scope of school-based occupational therapy includes the opportunity to address play and leisure activities such as recess. However, there is limited current research describing occupational therapy practitioners' (OTP) role in this activity. The purpose of our study is to explore the perceptions of school-based OTPs regarding their role in the activity of daily recess, in order to better understand the contributions they have or can have with this activity.  <b>Research Questions:</b></p> <ol style="list-style-type: none"> <li>1. What are OTPs' perceptions of recess as a school activity?</li> <li>2. What roles do OTPs have regarding a student's participation in recess?</li> <li>3. What are OTPs doing to address recess in their everyday practice?</li> </ol> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/99215614580">https://etown.zoom.us/j/99215614580</a></p>	.50

Time		PDU
6:20-6:50	<p><b><i>Caregiving After Stroke: A Preliminary Study in Search of a Grounded Theory</i></b>  Graduate Students: Deanna Bertone, Shaylyn Fisher, Kaitlyn Freed, Emily Nelson  Faculty Mentors: Angela Salvadia, D.Ed., OTR/L, and Tamera Keiter Humbert, D.Ed, OTR/L  <b>Purpose:</b> The aim of this study is to acknowledge existing theories for caregivers of individuals who have experienced a stroke and provide preliminary findings regarding their unique experiences related to occupational deprivation, caregiver burden, and coping within the caregiver role.  <b>Research Question:</b> What are the perceived long-term needs of caregivers at least one year after their care recipient's stroke?</p> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/91321687127">https://etown.zoom.us/j/91321687127</a></p>	.50
6:20-6:50	<p><b><i>Exploring the Efficacy of Sensory-Based Modalities on College Students' Health and Well-Being: A Qualitative Inquiry</i></b>  Graduate Students: Caitriona Eells, Joshua Reed, Olivia Stekervetz  Faculty Mentor: Terri Reichley Dennehy, D.Ed, OTR/L  <b>Purpose:</b> To understand the experiences/perceptions of full time, undergraduate college students as they utilize available sensory-based modalities to promote occupational health and well-being in the occupations of health management, academics, and sleep.  <b>Research Questions:</b></p> <ol style="list-style-type: none"> <li>1. What aspects of health and wellness, if any, impact students' desires to engage in healthy occupational behaviors?</li> <li>2. What specific sensory modalities, if any, were self-selected to address individualized health and wellness needs?</li> <li>3. What impact, if any, did the self-selected sensory modalities have on perceived stress as related to the identified occupations of health management, academics, and sleep?</li> </ol> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/91713289726">https://etown.zoom.us/j/91713289726</a></p>	.50
6:20-6:50	<p><b><i>Factors Associated with Occupational Performance of Young Adults with Congenital Heart Defects</i></b>  Graduate Students: Alexandra Katsock, Abigail Romberger, Natalie Watt  Faculty Mentor: Deborah Waltermire, DrPH, OTR/L  <b>Purpose:</b> To identify and understand the factors associated with occupational performance of young adults with CHD.  <b>Research Questions:</b></p> <ol style="list-style-type: none"> <li>1. What factors/characteristics are associated with higher scores on the Occupational Self Assessment (OSA), indicating perceived occupational competence?</li> <li>2. What are the occupational performance needs of young adults who are transitioning into adulthood?</li> <li>3. What role could occupational therapy play in supporting lifelong participation and well-being of young adults with CHD?</li> </ol> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/97685554052">https://etown.zoom.us/j/97685554052</a></p>	.50

Time		PDU
7:00-7:30	<p><b><i>Enhancing Child and Family Engagement in Social and Community Participation: An Early Intervention Sensory Motor Group Protocol</i></b>  Graduate Students: Allison Eveler, Amy Gage, Olivia Lee, Samantha Sheronas  Faculty Mentor: Diane Martin, OTD, OTR/L  <b>Purpose:</b> To develop an early intervention sensory motor play group protocol aimed at enhancing infant social participation in family and community engagement.  <b>Research Questions:</b>  1. How does sensory motor play impact social and community participation?  2. What elements should be included in an early intervention sensory motor play group protocol?</p> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/99412352843">https://etown.zoom.us/j/99412352843</a></p>	.50
7:00-7:30	<p><b><i>Media Portrayal of Occupational Therapy 2015-2019: A Content Analysis</i></b>  Graduate Students: Amy Blum, Jennifer Jackson, Melissa Ziegler  Faculty Mentor: Judy Beck Ericksen, Ph.D, OTR/L  <b>Purpose:</b> The purpose of this study is to explore portrayals of occupational therapy in print media to understand the image of the profession being disseminated to the public.  <b>Research Questions:</b>  1. What information about occupational therapy is available or disseminated to the public through print media?  2. What key features or characteristics about occupational therapy are conveyed to the reader?  3. Does the information from print media accurately reflect a setting-specific definition of occupational therapy, and if so, how?  4. Does information from print media outlets differentiate the profession of occupational therapy from other professions, and if so, how?</p> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/96275648935">https://etown.zoom.us/j/96275648935</a></p>	.50
7:00-7:30	<p><b><i>Modifying 3D Printed Finger Design to Enhance Purposeful Activity</i></b>  Graduate Students: Gina Feeney, Angeline Springer, Cristina VanBrocklin, Hannah Winters  Faculty Mentor: Daniel Panchik, D.Sc., OTR/L  <b>Purpose:</b> The purpose of our research is to explore the ease of using an open-source 3D printed design in the development of a digit prosthetic device and to evaluate the effects of a 3D printed digit prosthetic on purposeful activity for individuals with digit amputations.  <b>Research Questions:</b>  1. What is the ease of developing a digit prosthetic device using an open-source 3D printed design?  2. What is the ease of adapting a 3D printed digit prosthetic design to meet a client's specific task needs?</p> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/98557383434">https://etown.zoom.us/j/98557383434</a></p>	.50
7:40-8:10	<p><b><i>Development of a Sensory Assessment for the Work Environment</i></b>  Graduate Students: Rebekah Bolton, Hannah Burleigh, Abigail DiCiano, Kelly Nguyen  Faculty Mentor: Deborah Waltermire, DrPH, OTR/L  <b>Purpose:</b> The purpose of this study is to begin the process of developing an environmental assessment of sensory characteristics for adults within the work environment diagnosed with various mental health disorders to enhance occupational performance.  <b>Research Question:</b> What is the process and content needed to develop a tool that accurately assesses sensory characteristics within an individual's work environment?</p> <p>Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/91087116214">https://etown.zoom.us/j/91087116214</a></p>	.50

Time	MASTERS PROJECT PRESENTATIONS / POSTERS	PDU
7:40-8:10	<p><b><i>Exploring the Lived Experience of A Pregnant Woman with Opioid Use Disorder and the Attitudes and Opinions of the Care Team Members</i></b>  Graduate Students: Emily Albright, Alyssa Bertolino, Kelsey Browning, Teodora Sandu  Faculty Mentor: Erica K. Wentzel, OTD, OTR/L  <b>Purpose:</b> Our inquiry will explore the lived experience of a pregnant woman with Opioid Use Disorder, and the attitudes and opinions of the team who care for her.  <b>Research Questions:</b></p> <ol style="list-style-type: none"> <li>1. What are the attitudes and opinions of professionals who work with pregnant women with Opioid Use Disorders?</li> <li>2. What is the lived experience of a mother with Opioid Use Disorder who receives these services?</li> <li>3. What role can occupational therapy play in providing care to mothers with Opioid Use Disorder?</li> </ol> <p><b>Join us via ZOOM LINK:</b> <a href="https://etown.zoom.us/j/94790888739">https://etown.zoom.us/j/94790888739</a></p>	.50
7:40-8:10	<p><b><i>Utilizing Action Research: Empowering Occupational Therapy Practitioners in Fieldwork Education</i></b>  Graduate Students: Rebecca Coder, David Van Aken, Emma Varrato  Faculty Mentor: Christine Achenbach, M.Ed., OTR/L  <b>Purpose:</b> This study aims to empower OTPs and explore pragmatic, educational solutions that can promote change in openness to mentoring OTP students. Additionally, the study aims to demonstrate the importance and challenges of being a fieldwork educator in the current clinical environment.  <b>Research Questions:</b></p> <ol style="list-style-type: none"> <li>1. In what ways do clinicians prefer to learn about educational resources to be adequately prepared for becoming a FWEd?</li> <li>2. Can a journal club promote adequate preparedness for the FWEd role? If so, how?</li> <li>3. Does interacting with the literature provided in a journal club change the likelihood of becoming a FWEd? If so, how?</li> </ol> <p><b>Join us via ZOOM LINK:</b> <a href="https://etown.zoom.us/j/97133425375">https://etown.zoom.us/j/97133425375</a></p>	.50
8:20-8:50	<p><b><i>Establishing Validity for the BBCSS Eating and Feeding Behaviors Subscale: Promoting Interdisciplinary Utility</i></b>  Graduate Students: Giovanna Martinez, Elizabeth Mazer  Faculty Mentor: Nancy Ann Carlson, PhD, OTR/L  <b>Purpose:</b> The purpose of this study is to evaluate the psychometric properties of the Brain-Body Center Sensory Scales; Eating and Feeding Behaviors Subscale. Specifically, we will analyze the validity as it pertains to the differences between typical children and clinically diagnosed children.  <b>Research Questions:</b></p> <ol style="list-style-type: none"> <li>1. How do the item scores within the Brain-Body Center Sensory Scales' (BBCSS) Eating and Feeding Behaviors Subscale differ between typically developing children and children with clinical diagnoses?</li> <li>2. How do the items on the BBCSS capture the concepts of 'eating and feeding' compared to theoretical constructs seen in clinically diagnosed children?</li> </ol> <p><b>Join us via ZOOM LINK:</b> <a href="https://etown.zoom.us/j/93572213983">https://etown.zoom.us/j/93572213983</a></p>	.50

Time	MASTERS PROJECT PRESENTATIONS / POSTERS	PDU
8:20-8:50	<p><b><i>Interoceptive Awareness: An Intervention to Improve Emotional Regulation in Children</i></b>  Graduate Students: Lexis Colescott, Miranda Kissinger, Megan Stone, Victoria Veit  Faculty Mentor: Kerri Hample, OTD, OTR/L, FMCHC, and Kelly Mahler, MS, OTR/L  <b>Purpose:</b> The purpose of this study is to measure the effectiveness of an interoceptive awareness (IA) intervention.  <b>Research Question:</b> Does the Interoceptive Awareness intervention program produce significant results on emotional regulation outcomes in a diverse pediatric population?   Join us via ZOOM LINK: <a href="https://etown.zoom.us/j/97840564013">https://etown.zoom.us/j/97840564013</a></p>	.50

*This is the sixteenth anniversary of the  
Occupational Therapy Graduate  
Research Symposium.*

*No effort of this magnitude is possible as a solitary pursuit.  
To that end, please thank the OT Graduate Research Symposium  
Committee for their efforts in making this celebration of scholarship  
and occupational therapy possible.*

Committee Chair

*Nancy Ann Carlson, PhD, OTR/L*

Administrative Assistant

*Jean Dietrich*

Committee Members

*Graduates:*

*Abigail Drumheller,  
President, Pi Theta Epsilon*

*Deanna Bertone*

*Kaitlyn Freed*

*Miranda Kissinger*

*Megan Stone*

*Victoria Veit*

*Pi Theta Epsilon:*

*Tajanae Baker*

*Emily Fishkind*

*Sarah Hawkins*

*Sara Lingo*

*Madison Tyrrell*



For more information on the  
Occupational Therapy Program  
at Elizabethtown College  
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[www.etown.edu/ot](http://www.etown.edu/ot)

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