

Elizabeth D. Cash, Ph.D.
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EDUCATION

2001 – 2006 B.A. Psychology, Natural Sciences Concentration
University of Louisville, Louisville, KY
2006 – 2008 M.S. Experimental Psychology, Biobehavioral Oncology Concentration
University of Louisville, Louisville, KY
2008 – 2012 Ph.D. Clinical Psychology, Health Psychology Concentration
University of Louisville, Louisville, KY (APA accredited)

ACADEMIC APPOINTMENTS

2013 – Current **Adjunct Assistant Professor.** Department of Psychological and Brain Sciences,
University of Louisville
2013 – Current **Adjunct Assistant Professor.** Department of Family & Geriatric Medicine,
University of Louisville School of Medicine
2014 – Current **Assistant Professor.** Department of Otolaryngology-Head & Neck Surgery and
Communicative Disorders, University of Louisville School of Medicine
2018 – Current **Full Member.** James Graham Brown Cancer Center, Louisville, Kentucky

OTHER POSITIONS

2011 – 2012 **Predocctoral Intern.** Department of Public Health & Health Professions, University of
Florida; UF&Shands Hospital, Gainesville, FL (APA accredited)
2012 – 2013 **Postdoctoral Associate.** Division of Otolaryngology-Head & Neck Surgery, Department
of Surgery, University of Louisville School of Medicine
2013 – Current **Clinical Medical/Health Psychologist.** University of Louisville Physicians:
Otolaryngology-Head & Neck Surgery and Communicative Disorders

CERTIFICATION AND LICENSURE

2014 – Current Licensed Psychologist (KY 128221)

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

2004 – Current **Member,** Kentucky Psychological Association
2014 – 2015 **Chair,** Early Career Psychologists Committee
2004 – Current **Member,** American Psychological Association, Division 38 – Health Psychology
2008 – Current **Member,** American Psychosomatic Society
2010, 2013 Annual Meeting Abstract Reviewer
2014 – Current **Scientific Fellow,** American Academy of Otolaryngology-Head and Neck Surgery,
and Women in Otolaryngology Section
2013 – Current **Member,** Association of Psychologists in Academic Health Centers (APAHC)
2015 **Member,** National Conference Planning Committee
2015 **Member,** National Conference Poster Subcommittee

2015 – Current **Member**, Research Committee
2017 – Current **Chair**, National Conference Sponsorship Subcommittee
2018 – Current **Secretary**, APAHC Board

HONORS AND AWARDS

2004 **Psi Chi National Psychology Honor Society**, induction; 05-06 **Treasurer**, Local Chapter
2005 **Vice President for Research Undergraduate Research Scholar Grant**, to support senior undergraduate honor's thesis
2006 **Amber M. Heurman Research Fund Award**, for academic conference travel
2006 – 2011 **Clinical Psychology Graduate Student Funding Support**, full-tuition remission with funded research and teaching assistant position
2008 **Society for Behavioral Medicine Citation Award**, poster at annual meeting
2008 **Outstanding Student Abstract Award**, Society for Behavioral Medicine Cancer Special Interest Group; to facilitate travel, poster and oral presentation to the Cancer Special Interest Group Committee Meeting during the annual meeting
2010 **Dr. M. Celeste Nichols Award**, UofL Women's Center in conjunction with President's Commission on Diversity and Racial Equality, SGA Torchbearer Endowment, and UofL Cultural Center, for academic conference travel
2011 **American Psychosomatic Society Young Scholar Award**, NIH and American Psychosomatic Society, for oral presentation at annual meeting; selected among the top 12 student presentations, with special recognition at opening sessions
2012 **Graduate Dean's Citation**, for demonstration of significant accomplishments (e.g., publications, teaching excellence, and professional service) beyond achievement of high GPA during graduate school career
2016 **Purdue University 7th Annual Conference for Pre-Tenure Women Fellowship attendance award**, selected by committee through competitive application process
2017 **AAMC EWIMS Early Career Leadership Conference attendance award**, selected by AAMC committee through competitive nomination and application process
2017 **Univ of Louisville School of Medicine Leadership and Innovation in Academic Medicine (LIAM)**, selected by committee through competitive process with 29% acceptance rate for year-long professional development course. Invited to present one of the 12 workshop lectures.

COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES

UNIVERSITY ACTIVITIES

Service to Dept of Otolaryngology-HNS & Communicative Disorders:

2013 – Current **Member**, Program Evaluation Committee
Member, Clinical Competency Committee
Member, Committee for Resident Research
2015 **Member**, Faculty Search Committee, Assistant Professor of Speech-Language Pathology
2016 – Current **Chair**, Research Committee
2016 – 2017 **Member**, Faculty Search Committee, Assistant Professor of Audiology

Service to University:

2014 – Current **Member**, Association of American Medical Colleges Group on Women in Medicine and Science; Louisville Chapter (L-WIMS)
2014 – Current **Chair**, L-WIMS Programming Subcommittee

2017 **Member**, Selection Committee, Gratis Faculty Award for Teaching Excellence, ULSOM
 2018 **Member**, Selection Committee, Arnold P. Gold Foundation Leonard Tow Humanism in Medicine Award, ULSOM

NON-UNIVERSITY ACTIVITIES

2013 **Reviewer**, The Icelandic Research Fund, Division for Science and Innovation Grants
 2012, 2013 **Judge**, Research! Louisville Poster Session
 2009 **Judge**, Louisville Regional Science Fair Presentation, High School Life Sciences Division

JOURNALS REFEREED

Psychology & Health
Psychoneuroendocrinology
Journal of Health Psychology
Annals of Behavioral Medicine
Journal of Clinical Psychology in Medical Settings
Journal of Psychosocial Oncology
Psycho-Oncology

EDUCATIONAL ACTIVITIES

2016 – 2018 **Director, Health Psychology Postdoctoral Fellowship.** Department of Otolaryngology-Head & Neck Surgery and Communicative Disorders, ULSOM

RESEARCH TEACHING

2014 – Current **Director**, Resident Research Program, Department of Otolaryngology- Head & Neck Surgery & Communicative Disorders, ULSOM
 Coordinate and advise on resident-led research activities. Built program infrastructure, including resident research manual and secure website for data and resource storage. Advise on project design and feasibility, hypothesis generation, analytic planning, handled IRB and administrative activities, provided statistical analysis, and supported conference presentation and manuscript preparation. Provided annual Research Mini-Course designed to overview the scientific method, from origination of idea of publication of data. Taught practical strategies to residents on conducting research, strategies for hypothesis generation, data collection, evaluation of statistical methods, as well as guidelines for authorship and etiquette.

2015 **Faculty Facilitator**, Residents and Scholarly Activity Workshop, Graduate Medical Education Office, ULSOM
 Facilitated day-long course designed for PGY1s and PGY2s to provide a common understanding of the research process across medical specialties. Facilitated discussions as residents explored two potential ideas for scholarly projects and refined ideas in terms of hypothesis and study design, with activities about basic components of research design and implementation.

DISSERTATION COMMITTEES

2014 – 2016	PhD	Whitney Rebholz	Department of Psychological & Brain Sciences
2015 – 2016	PhD	René Bayley-Veloso	Department of Psychological & Brain Sciences
2016 – 2018	PhD	Lauren Zimmaro	Department of Psychological & Brain Sciences
2016 – 2017	PhD	Ashlee Warnecke	Department of Psychological & Brain Sciences
2017 – 2018	PhD	Kala Phillips	Department of Psychological & Brain Sciences
2018 – Current	PhD	Chelsea Siwik	Department of Psychological & Brain Sciences
2018 – Current	PhD	Allie Hicks	Department of Psychological & Brain Sciences

CLINICAL TEACHING

GRADUATE STUDENTS

2010 – 2011 **Graduate Teaching Assistant**, Interviewing Skills Practicum (PSYC 693); Intellectual and Cognitive Assessment (PYSC 680), Department of Psychological and Brain Sciences, UL

2013 – Current **Director**, Health Psychology Practicum for Clinical Psychology, ULSOM Instructed predoctoral Ph.D. (UofL Department of Psychological & Brain Sciences) and Psy.D. (Spalding University School of Professional Psychology) students in the psychological evaluation and treatment of oncology patients in both the outpatient and hospital setting. Supervised students as they learn to conduct health and behavior, and anxiety and depression screening assessments with recently diagnosed head and neck cancer patients. Trained students in brief behavioral health intervention, including pain management, sleep hygiene, behavioral activation, psychoeducation regarding disease treatment, and relaxation techniques. Oversaw students administration of neuropsychological evaluations for memory and cognition in older adults, cognitive evaluations for children and adolescents with suspected central auditory processing disorder, and clinical interviews with patients and family members. Students learned to operate within an interdisciplinary team of medical oncology, surgery, radiation oncology, speech pathology, nutrition, and social work professionals, attended treatment planning and morbidity/mortality conferences, and gained experience training junior psychology graduate students.

GRAND ROUNDS

- 2011 **Case Presentation: Cognitive-Behavioral Therapy for Insomnia and Hypnotic Withdrawal**, UF&Shands Sleep Disorders Center Invited Rounds for Sleep Fellows, Gainesville, FL
- 2013 **Research Basics: Study Design and Interpretation**, Department of Surgery, Division of Otolaryngology-HNS, ULSOM
- 2014 **Health Psychology in Medical Settings**, Department of Psychological & Brain Sciences Colloquium Series, UL
- 2014 **Research Design and Interpretation**, Department of Surgery, Division of Otolaryngology-HNS, ULSOM
- 2016 **New Terminology for Dementia**, Department of Family & Geriatric Medicine, ULSOM
- 2016 – Current **ENT Conference Series**, Quarterly lecture covering chosen topic from residency core curriculum, Department of Otolaryngology-HNS & Communicative Disorders, ULSOM

INVITED LECTURES TO FACULTY

- 2017 **Analyzing and Presenting Data**, Medical Education Research Scholars Certificate Program (MERSC): Discovering the Research Process in Clinical Teaching and Practice, ULSOM
- 2018 **Social Awareness**, Lecture 2 of 12-part professional development workshops on Leadership and Innovation in Academic Medicine (LIAM), ULSOM

INVITED LECTURES TO GRADUATE STUDENTS

- 2014 **Hypothalamus/Autonomic Nervous System**, Behavioral Neuroscience (PSYC 642), UL
- 2015 **Neuropsychology & Aging**, Gerontologic Audiology (AUDI 642), ULSOM
- Research Basics for Speech-Language Pathology**, Half-Day Seminar, ULSOM
- Developmental Neuropsychology: Constructs & Measures**, Assessment and Management of Auditory Processing Disorder (AUDI 654), ULSOM
- 2016 **Head & Neck Cancer**, Medical Audiology (AUDI 646), ULSOM
- 2017 **Neuropsychology & Aging**, Gerontologic Audiology (AUDI 642), ULSOM
- Stress & the Voice**, Voice Disorders (CMDS 663), ULSOM

UNDERGRADUATE COURSE TEACHING

2007 – 2009 **Graduate Teaching Assistant**, Physiological Psychology (PSYC 344); Principles of Neuroscience (PSYC 643); Abnormal Psychology (PSYC 385), Department of Psychological and Brain Sciences, UL

INVITED LECTURES TO UNDERGRADUATES

Fa 2013, Sp 2014 **Psychosocial Effects in Cancer**, Health Psychology (PSYC 404), Bellarmine University, Louisville, KY

COMMUNITY OUTREACH

2007 **Service Learning Program Participant**, UofL International Service Learning Program. Traveled to Belize to work with government officials to facilitate disaster preparedness, and with a clinical psychologist to develop a mental health treatment database

2009 – 2011 **Representative** for Community Health Fairs, UL Psychological Services Center

2009 **Presenter**, Stress and Coping in Breast Cancer, Invited Presentation at Kentucky Cancer Program Breast Cancer Weekend Retreat for Breast Cancer Survivors, Louisville, KY

2015 **Affiliate**, Gilda's Club Mindfulness Program (Director: Paul Salmon, PhD)

2015 **Psychiatry/Psychology Site Mentor**, Trinity High School Job Shadow Program, Louisville, KY

2015 **Panel Member**, Discussion of Women in Medicine in Science, JCPS Teenage Pregnancy Program, South Park High School, Fairdale, KY

CLINICAL ACTIVITIES

2013 – Current **Clinical Medical/Health Psychologist**. University of Louisville Physicians Otolaryngology & Communicative Disorders

Conducted brief, evidence-based behavioral interventions with a variety of medical patients, including those with difficulty adjusting to head and neck cancer; patients with voice concerns; patients suffering from insomnia or sleep problems. Administered psychometric and neuropsychological assessment batteries to determine candidacy for cochlear implantation, as well as cognitive function.

2014 – Current **Clinic Chief and Director**. Head & Neck Cancer Health Psychology Clinical Training Program, ULSOM, Brown Cancer Center, Louisville, KY

Supervised clinical training initiatives of Clinical Psychology graduate students focusing in Health Psychology and Psycho-Oncology specialties. Attended weekly Multidisciplinary Head & Neck Cancer clinic and conference, supervised and conducted health & behavior assessments with patients.

2009 – 2010 **Clinical Psychology Practicum**. Central State Hospital, Louisville, KY
Supervisor: Rebecca Asher, Psy.D.

Completed an 1800-hour clinical practicum conducting inpatient psychotherapy for severe mental illness patients, structured suicide risk assessments; administered psychodiagnostic, intellectual, personality and neuropsychological assessments; led group therapy sessions; supervised students; served as part of the multidisciplinary care team; prepared documentation for legal proceedings.

2011 – 2012 **Clinical Psychology Internship**. University of Florida College of Public Health and Health Professions, Department of Clinical and Health Psychology; UF&Shands Hospital, Gainesville, FL

Training Director: Lori Waxenberg, Ph.D.

Completed an 1800-hour predoctoral internship training year. Served as Chief Intern.

Medical/Health Psychology: Diagnostic interview/assessment for psycho-oncology, pain, sleep, women's reproductive health; bone marrow/solid organ transplant recipients and donors; inpatient consultation/liaison services for spinal cord injury, cardiology, organ transplant, and adult psychiatry.

Neuropsychology: Diagnostic interview/assessment for memory loss, dementia, and traumatic brain injury.

Behavioral Pediatrics: Diagnostic interview/assessment for attention-deficit, anxiety, and other disorders.

General Outpatient: Diagnostic interviews; psychotherapy for adult, adolescent, and pediatric patients.

2012 – 2013 **Postdoctoral Trainee.** Department of Surgery, ULSOM, Louisville, KY
Supervisors: Eric Russ, Ph.D.; Sarah Honaker, Ph.D.

Completed an 1800-hour postdoctoral training year serving in the UofL Head & Neck Cancer Multidisciplinary clinic at the Brown Cancer Center, and in UofL Pediatric integrated primary care clinics, as part of the clinical team. Conducted diagnostic and clinical interviews, psychological testing, behavior modification, psychoeducation to residents, patients and parents, supervised student research and clinical work, and consulted with the integrated healthcare team in multidisciplinary conferences.

RESEARCH EXPERIENCE

2006 – 2011 **Project Director.** BioBehavioral Research Laboratory Cancer Research Program, Department of Psychological & Brain Sciences, UL
Directed by: Sandra E. Sephton, Ph.D.

Served as Consultant to PI and Project Director on multiple projects. Consulted on study design, participant recruitment, and data collection for multiple biobehavioral studies in cancer recruiting in cancer clinics. Assisted with interpretation of results and manuscript preparation. Coordinated collaborative projects with the multidisciplinary breast cancer team; developed study hypotheses; coordinated in-clinic patient recruitment and consent; processed and analyzed study data (salivary cortisol, rest/activity rhythm recordings; systemic immune markers); managed study databases and performed statistical analyses on this and multiple other biobehavioral cancer studies.

2012 – Current **Research Coordinator, Director of Research.** Department of Otolaryngology-HNS & Communicative Disorders, ULSOM

Coordinated and advised on trainee- and faculty-led research activities in otolaryngology-head and neck surgery, audiology, and speech/language pathology. Developed and guided departmental research initiatives, designed and maintained secure research website and departmental website; assisted with funding acquisition, project design and feasibility, hypothesis generation, analytic planning, IRB and administrative activities, statistical analysis, conference presentation and manuscript preparation.

BENCH/LABORATORY & DATA ANALYTIC EXPERIENCE

Circadian Rhythms: Experience in design of research utilizing wrist-worn actigraphy for measurement of both circadian (rest/activity) rhythms as well as sleep architecture (total sleep time, wake after sleep onset, sleep efficiency). Collaborated on data collection, data reduction, statistical analysis, and interpretation for studies examining the relationship of actigraphy parameters to psychological, biological, and treatment-related variables in cancer patients.

Data Analytics & Statistics: In-depth experience with statistical approaches for social and medical sciences that are appropriate for small and large datasets. Experience conducting univariate and multivariate analyses, survival analyses and cancer outcomes research. Working knowledge of epidemiological data management and statistical approaches.

Endocrine: Experience in design and execution of research utilizing salivary sampling methods for measurement of physiological stress responses, and circadian hypothalamic-pituitary-adrenal axis rhythms. Adept at data collection, data reduction, statistical analysis, and interpretation for studies examining how diurnal salivary cortisol rhythms relate to multiple factors in varying medical and other populations. Experience

preparing and running EIA and LIA assay techniques for salivary cortisol. Experience collecting, preparing and preserving human saliva samples, and preparing and preserving human serum samples for assay.

Immune: Experience preparing and running EIA assay techniques for vascular endothelial growth factor (VEGF). Experience preparing under sterile technique and preserving human whole blood samples for stimulated cytokine analysis. Experience preparing cytokine stimulation media. Adept at data collection, data reduction, statistical analysis, and interpretation of data among human cancer samples.

GRANTS AND CONTRACTS

REVIEW PENDING

Title of Project:	The Role of Circadian Disruption in Treatment Response for Head and Neck Cancer
Effective Dates:	April 1, 2019 – March 31, 2021
Goal:	To provide critical data on the extent to which circadian biology plays a role in the success of treatment for head and neck cancer, and in doing so illuminate a mechanism involving crosstalk between circadian and tumor growth signaling.
Role:	Co-PI
Agency:	NIH/National Cancer Institute
Total Costs:	\$424,500

GRANT AWARDS – CURRENT

Title of Project:	Program in Metagenomics and Health
Effective Dates:	January 1, 2017 – December 31, 2019
Goal:	Establish a database of patient clinical, microbiome and social determinant data to enable big data bioinformatics analysis for identification of potential links between social status, commensal microbiota composition and health outcomes.
Role:	Pilot Project PI (PI: Nejat Eglimez, PhD)
Agency:	UL Internal RFP for Academic and Research Excellence for the 21 st Century University
Total Costs:	\$750,000

Title of Project:	KY LEADS Collaborative Survivorship Care Program (Ky Clinical Trials Netw KCTN-1601)
Effective Dates:	May 1, 2016 – September 30, 2018
Goal:	Multi-site survivorship care program designed to improve quality of life, achieve better symptom control, increase tobacco treatment, and reduce distress among lung cancer survivors as well as their family members/caregivers; also designed to increase self-efficacy and skills in providing cancer survivorship care among program providers.
Role:	Site PI, University of Louisville and Brown Cancer Center (PI: Jamie Studts, PhD, University of Kentucky)
Agency:	Bristol Meyers Squibb
Total Costs:	\$97,500

Title of Project:	University of Louisville Cancer Education Program (R25-CA134283-06A1)
Effective Dates:	4/1/2017 – 3/31/2022
Goal:	Long-term, to recruit, educate, and motivate outstanding undergraduate and professional students to pursue further training and future careers in cancer research. Faculty are paired with appropriate students who spend 10 weeks during the summer designing, testing, and presenting a research project under the faculty mentor's purview.
Role:	Key Personnel/Faculty Mentor (PIs: David Hein, PhD (contact) and La Creis Kidd, PhD)
Agency:	NIH/National Cancer Institute
Project Budget:	\$1,593,000

GRANT AWARDS – COMPLETED

Title of Project: Understanding the Prognostic Significance of Circadian Disruption in Lung Cancer, and Piloting an Intervention (KLCRP #13 SES, OGMB140436)
Effective Dates: 6/1/2014 – 5/30/2016
Role: Co-Investigator, 10% effort (PI: Sandra Sephton, PhD)
Agency: Kentucky Lung Cancer Research Program
Total Costs: \$136,364

Title of Project: Distress and Circadian Disruption in Head and Neck Cancer
Effective Dates: 7/1/2014 – 12/31/2015
Role: Principal Investigator
Agency: UL Intramural Research Incentive Grant: Multidisciplinary Research Grant
Total Costs: \$10,000

Title of Project: A Meditation-based Intervention to Reduce Distress in Lung Cancer Patients
Effective Dates: 7/1/2013 – 6/30/2014
Role: Co-Investigator (P: Sandra Sephton, PhD)
Agency: UL Intramural Research Incentive Grant: Research Initiation Grant
Total Costs: \$4,500

Title of Project: Effects of Stress and Circadian Disruption on Immune Function in Newly Diagnosed Women with Breast Cancer
Effective Dates: 7/1/2008 – 7/1/2009
Role: Co-Investigator (PI: Firdaus Dhabhar, Ph.D.)
Agency: Stanford Cancer Center, Developmental Cancer Research Award in Translational Science
Amount: \$49,958

Title of Project: Otolaryngology-HNS Research Initiatives
Effective Dates: October 2013 – March 2015
Role: Program Director (Principal Recipient: Jeffrey Bumpous, MD)
Agency: UL Health Sciences Development Grateful Patient Initiatives
Total Costs: \$15,000

Title of Project: Third International Meeting on Internet & Audiology (1R13-DC016547-01)
Effective Dates: July 1, 2017 – June 30, 2018
Goal: Present innovative research in the emerging field of internet-based applications in the area of audiology and psychology. Four themes included: 1) barriers and facilitators to implementation; 2) methodology of implementation; 3) big data, and; 4) ethical issues related to internet-based research and service delivery.
Supplemental funding provided by the Oticon Foundation (\$15,278)
Role: Co-Investigator (PI: Jill Preminger, PhD)
Agency: NIH/National Institute on Deafness and Other Communication Disorders
Total Costs: \$33,823

CONTRACTS – COMPLETED

Title of Project: Prehospital Air Medical Plasma (PAMPer) Phase III Multicenter, Prospective, Randomized, Open-label, Interventional Trial
Effective Dates: 6/11/2012 – 6/10/2016
Role: Collaborating Site Research Study Manager, 10% effort, 5/17/2013 – 8/31/2013 (PI: Jason Sperry, MD, MPH; Site PI: Brian Harbrecht, MD)
Agency: U. S. Army Medical Research Program (Sponsor, University of Pittsburgh)
UL Office of Industrial Contracts grant number: OICB120069

Total Costs: | \$669,013

EDITORIAL WORK

- 2015 – 2017 **Guest Editor.** Journal of Clinical Psychology in Medical Settings Special Issue on Association of Psychologists in Academic Health Centers Award Recipients 2013 – 2015
- 2017 – Current **Associate Editor.** Journal of Clinical Psychology in Medical Settings, [Springer](#)

ABSTRACTS AND PRESENTATIONS

scholar.google.com/citations?hl=en&user=pTzwstMAAAAJ

ORAL PRESENTATIONS

NATIONAL/INTERNATIONAL MEETINGS

***Denotes Invited Presentation*

***Denotes Mentored Student or Resident Presentation*

2007

1. Sephton, S., Weissbecker, I., Floyd, A., **Cash (Lush), E.**, Salmon, P. Effects of Mindfulness Meditation on Cortisol Profiles in Fibromyalgia. Society of Behavioral Medicine, Washington, D.C. Annals of Behavioral Medicine 33, S107, 12/1/2007.
2. Weissbecker, I., Simpson, D., **Cash (Lush), E.**, Sephton, S. Integrating Mental Health and Psychosocial Issues into Disaster Risk Reduction: The Example of Belize. Integration of Mental Health and Psychosocial Issues into Disaster Risk Reduction and the Hyogo Framework for Action. United Nations International Strategy for Disaster Risk Reduction, Global Platform for Disaster Risk Reduction, Geneva, Switzerland.

2008

3. Sephton, S.; Floyd, A.; Weissbecker, I.; **Cash (Lush), E.**; Salmon, P. Diurnal Cortisol Rhythm as a Predictor of Lung Cancer Survival. Symposium, Society of Behavioral Medicine, San Diego, CA. Annals of Behavioral Medicine 35, S36, 3/1/2008.
 - *Society of Behavioral Medicine Citation Award*
4. ****Cash (Lush), E.**; Weissbecker, I.; Floyd, A.; Dedert, E.; Salmon, P.; Sephton, S. Biological Correlates of Social Support in Gynecologic Cancer Patients. Cancer Special Interest Group Annual Update, Society of Behavioral Medicine, San Diego, CA. Annals of Behavioral Medicine 35, S124, 3/1/2008.
 - *Cancer Special Interest Group Outstanding Student Abstract Award*

2010

5. Sephton, S., **Cash (Lush), E.**, Eismann, E.A. Circadian Biology and Cancer Progression. American Psychosomatic Society, Mar 13, Portland, OR.
6. **Cash (Lush), E.**, Weissbecker, I., Eismann, E.A., Floyd, A., Dedert, E., and Sephton, S. Social Influences on Stress, Cortisol, Allostatic Load and VEGF in Gynecologic Cancer. American Psychosomatic Society, Mar 13, Portland, OR.

2011

7. **Cash (Lush), E.**, Dhabhar, F.S., Chagpar, A., Dedert, E., Daup, M., Dayyat, E., Spiegel, D., McMasters, K., Tillie, J.M., Sephton, S. Tumor-promoting Biological Factors are Associated with Circadian Disruption and Awakening Cortisol Response, but not Social Support, in Early Stage Breast Cancer. American Psychosomatic Society, Mar 9-12, San Antonio, TX. Psychosomatic Medicine 73 (3), 4/1/2011.
 - *American Psychosomatic Society Young Scholar Award*
 - *Included in Official Program Committee Press Release of Especially Newsworthy Presentations*
8. ****Sephton, S.**; **Cash (Lush), E.**; Chagpar, A.; Spiegel, D.; Tillie, J.M.; Daup, M.; Dedert, E.; Dayyat, E.; McMasters, K.; Dhabhar, F. Circadian Disruption and Tumor Promotion in Newly-diagnosed Breast Cancer Patients. Symposium, International Society for Psychoneuroendocrinology: Circadian Hormonal Rhythms and Cancer Progression, Aug 4-6, Berlin, Germany.

2014

9. McNulty, B.; Chandran, S.K.; **Cash, E.** Pediatric Airway Evaluation, Indications, and Clinical Findings. Triological Society Combined Sections Meeting, Jan 10-12, Miami Beach, FL.
10. Sephton, S., **Cash, E.**, Chagpar, A., Spiegel, D., Rebholz, W., Bayley, R.C., Zimmaro, L., and Dhabhar, F.S. Biological correlates of marital status in recently diagnosed breast cancer patients. American Psychosomatic Society, San Francisco, CA. *Psychosomatic Medicine* 76 (3), A19-A20, 4/1/2014.
11. Rebholz, W., Weissbecker, I., **Cash, E.**, Bayley, R., Zimmaro, L., Sephton, S. Distress and support: Links with circadian disruption and quality of life in gynecologic cancer. American Psychosomatic Society, San Francisco, CA. *Psychosomatic Medicine* 76 (3), A19, 4/1/2014.
 - *American Psychosomatic Society Young Scholar Award*
12. Jacob, S.; Kalathoor, S.; **Cash, E.**; Chandran, S.K. Correlation Between Obstructive Sleep Apnea and Difficulty of Anesthesia Induction in Children Undergoing Tonsillectomy. Combined Otolaryngology Spring Meeting, Triological Society, May 14-18, Las Vegas, NV.
13. Dooley, L.; Self, L.; **Cash, E.**; Bumpous, J. The Role of Neck Dissection in Salvage Total Laryngectomy. International Federation of Head and Neck Oncologic Societies World Congress, Jul 26-30, New York, NY.
14. **Cash, E.**; Gettelfinger, J.; Rebholz, W.; Russ, E.; Wilson, L.; Sephton, S.; Bumpous, J. Depressive Symptoms Predict Poor Treatment Adherence and Response in Head and Neck Cancer. International Federation of Head and Neck Oncologic Societies World Congress, Jul 26-30, New York, NY.

2015

15. **Cash, E.**; Chilton, P.; Rebholz, W.; Bayley-Veloso, R.; Zimmaro, L.; Chagpar, A.; Spiegel, D.; Dhabhar, F.S.; Sephton, S. HPA and Rest/Activity Rhythms Independently Associated with Different Aspects of Inflammatory Response in Patients Awaiting Treatment for Breast Cancer. American Psychosomatic Society, Mar 18-21, Savannah, GA. *Psychosomatic Medicine* 77 (3), 4/1/2015.
16. **Cash, E.**; Bumpous, E.; Clements, K.; Craven, L.; Chandran, S.K. (presenter). Improving Voice Patient Compliance with Follow-Up: Identifying Deterrents. Voice Foundation, May 26-21, Philadelphia, PA.
17. Amsbaugh, M.; Yusuf, M.; **Cash, E.**; Silverman, C; Wilson, L.; Bumpous, J.; Potts, K.; Perez, C.; Bert, R.; Redman, R.; Dunlap, N. Distribution of Cervical Lymph Node Metastases from Squamous Cell Carcinoma of the Oropharynx in the Era of Risk Stratification using HPV and Smoking Status. American Society for Therapeutic Radiation Oncology, Oct 18-21, San Antonio, TX. *Journal of Radiation Oncology, Biology, Physics* 93 (3), S79, 11/1/2015.

2016

18. **Pace, A.; Seibert, A.; Rebholz, W.; Wilson, L.; Bumpous, J.; **Cash, E.** Psychological Distress and Malnutrition Biomarkers are associated with Head and Neck Cancer Progression and Survival. American Psychosomatic Society, Mar 9-12, Denver, CO. *Psychosomatic Medicine* 78(3), A21, 4/1/2016.
 - *Included in Official Program Committee Press Release of Especially Newsworthy Presentations*
19. Azbell, C.; **Cash, E.**; Gadre, A. Endoscopic Assisted Tympanoplasty Outcomes in the Pediatric Population. Combined Otolaryngology Spring Meeting, Triological Society, May 20-21, Chicago, IL.
20. **Khayat, S.; **Cash, E.**; Tennant, P.; Bumpous, J. NSQIP Risk Calculator Reliability in Head and Neck Oncology: The Effect of Prior Chemoradiation on NSQIP Risk Estimates Following Laryngectomy. American Head and Neck Society International, Jul 16-20, Seattle, WA.

2017

21. **Worthen, M.; Rebholz, W.; Sharma, D.; Gentile, A.; Jusufbegovic, M.; Brinkman, C.; Wilson, L.; Bumpous, JM.; **Cash, E.** Trait Mindfulness, Psychosocial and Prognostic Indicators in Head and Neck Cancer. Combined Otolaryngology Spring Meeting, American Head and Neck Society, Apr 26-27. San Diego, CA.
22. Sawning, S.; Holthouser, A.; Steinbock, S.; Weingartner, L.; Martin, J.; Leslie, K.; Jones, V.; Noonan, E.J.; **Cash, E.**; Shaw, M. Outcomes of eQuality: an Integrated, Comprehensive Undergraduate Education Program for LGBT-Health Training. AAMC Annual Meeting - Learn Serve Lead, Nov 3-7, Boston, MA.
23. Phillips, K., Salmon, P., Siwik, C., Rebholz, W., **Cash, E.**, Litvan, I., Filoteo, J., Kayser, K., Sephton, S. A dyadic MBSR intervention for Parkinson's disease patients/caregivers: Effects on distress, cortisol, and inflammation. Psychoneuroimmunology Research Society, Jun 7-10, Galveston, TX. *Brain*,

Behavior, and Immunity S66, e19-20, 6/9/2017.

2018

24. Siwik, C., Segerstrom, S., Phillips, K., **Cash, E.**, Rebholz, W., Zimmaro, L.A., Hicks, A., van der Gryp., K., & Sephton, S. E. Associations of Actigraphically Measured Daytime Sedentariness and Nighttime Restfulness with Waking and Bedtime Salivary Cortisol Levels. American Psychosomatic Society, Mar 7-10, Louisville, KY.
25. Hicks, A., Salmon, P., Rebholz, W., Phillips, K., Siwik, C., Zimmaro, L.A., **Cash, E.**, van der Gryp., K., & Sephton, S. E. The Role of Self-Compassion in a Stress-Health Pathway. American Psychosomatic Society, Mar 7-10, Louisville, KY.
26. Phillips, K., Siwik, C., Segerstrom, S., Zimmaro, L., Rebholz, W., **Cash, E.**, Hicks, A., van der Gryp, K., & Sephton, S.E. (2017). *Associations between daily affect, intrusive thoughts, and cortisol levels among lung cancer patients*. American Psychosomatic Society, Mar 7-10, Louisville, KY.
27. Phillips, K., Siwik, C., Hicks, A., Salmon, P., **Cash, E.**, Litvan, I., Filoteo, J.V., van der Gryp, K., & Sephton, S.E. An MBSR Intervention for Parkinson's Disease Patients and Caregiving Partners: Effects on Distress, Social Support, Cortisol, and Inflammation. American Psychosomatic Society, Mar 7-10, Louisville, KY.
28. Weingartner, L.; Holthouser, A.; Potter, J.; Noonan, E.; Steinbock, S.; Shaw, M.A.; **Cash, E.**; Sawning, S. eQuality at the University of Louisville: Developing LGBTQ Health Clinical Skills via Direct Practice. AAMC Learn, Serve, Lead, Nov 2-6, Austin, TX.
29. ****Kumar, S.**; Brinkman, C.; Albert, C.; Rebholz, W.; Chilton, P.; Mitchell, T.; Sephton, S.; Bumpous, J.; **Cash, E.**; Endocrine Disruption and Inflammatory Airway Disease may Relate to Elevated Circulating Inflammatory Markers Among Head and Neck Cancer Patients. ASCO Annual Meeting, Cancer Interest Group Abstract Forum, Jun 1-5, Chicago, IL, 6/2/2018.

LOCAL MEETINGS

****Denotes Invited Presentation**

****Denotes Mentored Student Presentation**

2013

30. Jacob, S.; Kalathoor, S.; **Cash, E.**; Chandran, S.K. Correlation between Obstructive Sleep Apnea and Difficulty of Anesthesia Induction in Children Undergoing Tonsillectomy. KY Society of Otolaryngology, Apr 20, Lexington, KY.
 - *First Place Resident Research Award*

2014

31. ****Salmon, P.G.**, Altman, J., Bayley-Veloso, R., **Cash, E.**, Ellsworth, M., Phillips, K., Rebholz, W., Sephton, S., and Zimmaro, L. A Day of Mindfulness. Workshop for the University of Louisville Alumni Association, College of Arts and Sciences, Nov 1, Louisville, KY.
32. ****Gettelfinger, J.**; Rebholz, W.; Russ, E.; Wilson, L.; Sephton, S.; Bumpous, J.; **Cash, E.** Depressive Symptoms Predict Poor Treatment Adherence and Response in Head and Neck Cancer. KY Society for Otolaryngology, Aug 1-2, Louisville, KY.

2016

33. ****Cash, E.**; Gopalraj, R. Honey, Where Did I Park the Car? KY Assn of Adult Day Centers, Sep 12-14, Louisville, KY.
34. ****Cash, E.** Cancer Care: What Every Psychologist Needs to Know. KY Psychological Assn, Nov 3-5, Louisville, KY.

2017

35. Gopalraj, R.; Rebholz, W.; Salmon, P.; **Cash, E.** Thank God for Stress! Optimal Aging Conference, Jun 11-13, Louisville, KY.

POSTERS

NATIONAL/INTERNATIONAL MEETINGS

****Denotes Mentored Student Presentation**

2006

1. **Cash (Lush), E.**; Salmon, P.; Floyd, A.; Weissbecker, I.; and Sephton, S. Does Meditation Alleviate Anxiety and Physiological Symptoms Related to Fibromyalgia? Association for Psychological Science, New York, NY.

2007

2. **Cash (Lush), E.**; Salmon, P.; Floyd, A.; Studts, J.; Weissbecker, I.; Sephton, S. Mindfulness Meditation for Symptom Reduction in Fibromyalgia: Psychophysiological Correlates. Society of Behavioral Medicine, Washington D.C. *Annals of Behavioral Medicine* 33, S124, 12/1/2007.
3. Martin, M.; Rhodes, P.A.; Salmon, P.G.; Olive, J.; Robinson, J.; McFall, A.; **Cash (Lush), E.**, Sephton, S. Hatha Yoga Reduces Pain and Increases Vitality in Adults With Elevated CVD Risk. Society of Behavioral Medicine, Washington D.C. *Annals of Behavioral Medicine* 33, S107, 12/1/2007.

2008

4. **Cash (Lush), E.**; Weissbecker, I.; Floyd, A.; Dedert, E.; Salmon, P.; Sephton, S. Social Relationships and Quality of Life in Gynecologic Cancer. Brain, Body, Behavior and Health Poster Session, Association for Psychological Science, Chicago, IL.
5. **Cash (Lush), E.**; Weissbecker, I.; Floyd, A.; Dedert, E.; Salmon, P.; Sephton, S. Biological Correlates of Social Support in Gynecologic Cancer Patients. Society of Behavioral Medicine, San Diego, CA. *Annals of Behavioral Medicine* 35, S124, 3/1/2008.
 - *Cancer Special Interest Group Outstanding Student Abstract Award*
6. Dedert, E.; Chagpar, A.; **Cash (Lush), E.**; Martin, M.; Rhodes, P.; Sephton, S. Distress, Coping, and Circadian Disruption in Newly Diagnosed Breast Cancer Patients. Society of Behavioral Medicine, San Diego, CA. *Annals of Behavioral Medicine* 35, S87, 3/1/2008.
7. Thornton, J.; Weissbecker, I.; Salmon, P.; **Cash (Lush), E.**; Floyd, A.; Sephton, S. Thought Suppression: Associations with Pain and Depression in Women with Fibromyalgia. Society of Behavioral Medicine, San Diego, CA. *Annals of Behavioral Medicine* 35, S87, 3/1/2008.
8. Rhodes, P.; Salmon, P.; Weissbecker, I.; Caley, M.; **Cash (Lush), E.**; Sephton, S. The Effects of Mindfulness-Based Stress Reduction on Self-Efficacy in Fibromyalgia Patients. Society of Behavioral Medicine, San Diego, CA. *Annals of Behavioral Medicine* 35, S47, 3/1/2008.
9. Weissbecker, I.; **Cash (Lush), E.**; Martin, M.; Simpson, D.; Sephton, S. Predictors of Anxiety in Evacuees during the 2007 California Wild Fires. Society of Behavioral Medicine, San Diego, CA. *Annals of Behavioral Medicine* 35, S110, 3/1/2008.

2010

10. Daup, M., **Cash (Lush), E.**, Dedert, E., McMasters, K., Sephton, S., Chagpar, A. Is Cancer Specific Distress Correlated with Time to Definitive Surgery in Breast Cancer Patients? San Antonio Breast Cancer Symposium, San Antonio, TX. *Cancer Research* 70 (24 Suppl), P2-12-01, 12/15/2010.
11. Williams, S.R.; Kertz, S.J.; Stearns, Z.R.; **Cash (Lush), E.**; Daup, M.; Sephton, S.; Woodruff-Borden, J. Cortisol Responsiveness and Family Environment as a Mechanism of Familial Anxiety. Association for Behavioral and Cognitive Therapies, Nov 10-13, Toronto, Canada.

2011

12. Gesler, W., Dhabhar, F.S., Chagpar, A., Dedert, E., **Cash (Lush), E.**, Daup, M., Dayyat, E., McMasters, K., Sephton, S. Cancer-Specific Distress: No Association with Serum Cytokines in Pre-Surgical Breast Cancer Patients. American Psychosomatic Society, Mar 9-12, San Antonio, TX. *Psychosomatic Medicine* 73 (3), 4/1/2011.
13. Thompson, A., Dhabhar, F.S., Chagpar, A., **Cash (Lush), E.**, Dedert, E., Daup, M., Dayyat, E., McMasters, K., Sephton, S. Psychoneuroimmune Pathways Related to Cancer-Related Fatigue. American Psychosomatic Society, Mar 9-12, San Antonio, TX. *Psychosomatic Medicine* 73 (3), 4/1/2011.
 - *Included in Official Program Committee Press Release of Especially Newsworthy Presentations.*
14. **Cash (Lush), E.**, Dedert, E., Daup, M., Dhabhar, F.S.; Spiegel, D.; Tillie, J.; McMasters, K., Sephton, S., Chagpar, A. Do Serum Cytokines Predict Breast Cancer Behavior? San Antonio Breast Cancer Symposium, Dec 6-10, San Antonio, TX. *Cancer Research* 71 (24 Suppl), P1-01-15, 12/15/2011.

2012

15. **Cash (Lush), E.**; Dedert, E.; Daup, M.; Dhabhar, F.; Chagpar, A.; Kneipp, S.; Pereira, D.B.; Sephton, S. Avoidant Coping and Diurnal Cortisol Slope in Women with Suspected Breast and Endometrial

Cancer. American Psychosomatic Society, Mar 14-17, Athens, Greece.

16. Gesler, W.; **Cash, E.**; Dhabhar, F.; Chagpar, A.; Chapman, L.K.; Dedert, E.; Sephton, S. Psychological Distress, But Not Stress Physiology, is Associated with Quality of Life in Pre-surgical Breast Cancer Patients. American Psychosomatic Society, Mar 14-17, Athens, Greece.

2013

17. Dooley, L.M.; **Cash, E.**; Silverman, C.; Goldman, J.; Tate, A.D.; Potts, K.; Bumpous, J. Regional Variation in Nasopharyngeal Carcinoma. Combined Otolaryngology Spring Meeting, Triological Society, Scottsdale, AZ.
18. **Cash, E.**; Sephton, S.; Chagpar, A.; Spiegel, D.; Rebholz, W.; Dhabhar, F.S. Circadian Disruption and Tumor Promotion/Progression Signals in Newly Diagnosed Breast Cancer Patients. American Psychosomatic Society, Mar 13-16, Miami, Florida. *Psychosomatic Medicine* 75 (3), A139, 4/1/2013.
- *Included in Official Program Committee Press Release of Especially Newsworthy Presentations*
19. **Cash, E.**; Self, E.; Wilson, L.; Russ, E.; Bumpous, J. Anxiety, Depressive Symptoms, and Quality of Life in Newly Diagnosed Head and Neck Cancer Patients. American Academy of Otolaryngology – Head and Neck Surgery, Sept 29-Oct 2, Vancouver, BC. *Otolaryngology-Head and Neck Surgery* 149 (2_suppl), P163, 9/2013.
20. Smith, A.; **Cash, E.**; Myers, J.; Smith, M.; Navale, S.; Woods, C.; Chandran, S. Trends and Comparison of Children Hospitalized For Retropharyngeal and Parapharyngeal Abscesses 2003-2009. American Academy of Otolaryngology – Head and Neck Surgery, Sept 29-Oct 2, Vancouver, BC. *Otolaryngology-Head and Neck Surgery* 149 (2_suppl), P253, 9/2013.
21. Smith, A.; Nesemeier, R.; **Cash, E.**; Woods, C.; Chandran, S. Increased resource burden of Methicillin Resistant Staphylococcus Aureus Orbital Cellulitis in the pediatric population. American Academy of Otolaryngology – Head and Neck Surgery, Sept 29-Oct 2, Vancouver, BC. *Otolaryngology-Head and Neck Surgery* 149 (2_suppl), P247, 9/2013.
22. Smith, A.; Nesemeier, R.; **Cash, E.**; Woods, C.; Chandran, S. Hospitalization Trends for Orbital Cellulitis in the Pediatric Population: 2003-2009. American Academy of Otolaryngology – Head and Neck Surgery, Sept 29-Oct 2, Vancouver, BC. *Otolaryngology-Head and Neck Surgery* 149 (2_suppl), P246, 9/2013.
23. Smith, A.; Rife, E.; **Cash, E.**; Peyton, N.; Woods, C.; Chandran, S. Trends in Hospitalizations for Pediatric Peritonsillar Abscess: 2003-2009. American Academy of Otolaryngology – Head and Neck Surgery, Sept 29-Oct 2, Vancouver, BC. *Otolaryngology-Head and Neck Surgery* 149 (2_suppl), P253, 9/2013.

2014

24. Katrib, Z.; **Cash, E.**; Bumpous, J.; Wilson, L.; Nesemeier, R. Recidivism Rates of patients with Advanced Head and Neck Squamous Cell Carcinoma Enrolled in Chemotherapy and Irradiation treatment as a Function of Geography, Anxiety and Depression, and Substance Abuse. Triological Society Combined Sections, Jan 10-12, Miami Beach, FL.
25. Dunlap, N.E.; Narayan, R.; Shaughnessy, J.; Silverman, C.; Bumpous, J.; Potts, K.; Redman, R.; **Cash, E.**; Wilson, L. HPV/p16 Status and Patterns of Failure for Squamous Cell Carcinoma of the Oropharynx After Definitive Chemoradiation: Establishing a Relationship to Elective Nodal Irradiation. Multidisciplinary Head and Neck Cancer Symposium, Feb 20-22, Scottsdale, AZ. *International Journal of Radiation Oncology, Biology, Physics* 88 (2), 483, 2/1/2014.
26. Barry, P.; Goodwin, N.; Henson, A.; **Cash, E.**; Wilson, L.; Dunlap, N. Factors Predicting Suitability of Organ Preservation with Radiation Therapy in Laryngeal and Hypopharyngeal Cancer. Amer. College of Radiation Oncology, Feb 27-Mar 1, Orlando, FL. *Journal of Solid Tumors* 4 (4), p9, 12/10/2014.
27. **Cash, E.**; Rebholz, W.; Gettelfinger, J.; Russ, E.; Wilson, L.; Bumpous, J.; Sephton, S. Depressive Symptoms Predict Poor treatment Adherence and Response in Head and Neck Cancer. American Psychosomatic Society, Mar 10-14, San Francisco, CA. *Psychosomatic Medicine* 76 (3), A78, 4/1/2014.
28. Zimmaro, L., **Cash, E.**, Dedert, E., Rebholz, W., Bayley, R.C., Salmon, P., Sephton, S. Distress, coping, and support in lung cancer: Gender differences and associations with psychopathology. American Psychosomatic Society, Mar 10-14, San Francisco, CA. *Psychosomatic Medicine* 76 (3), A135, 4/1/2014.
29. Bayley, R.C., Weissbecker, I., Rebholz, W., **Cash, E.**, Zimmaro, L., Salmon, P., Sephton, S. Recent traumatic events may complicate adjustment to gynecologic cancer. American Psychosomatic Society,

Mar 10-14, San Francisco, CA. Psychosomatic Medicine 76 (3), A110, 4/1/2014.

30. Bertke, M.H.; Shaughnessy, J.N.; Aya, S.R.; **Cash, E.**; Silverman, C.L.; Bumpous, J.; Potts, K.L.; Redman, R.A.; Wilson, L.D.; Dunlap, N.E. HPV Status May Alter the Significance of Extranodal Extension as a Negative Prognostic Factor in Post-Operative Squamous Cell Carcinoma of the Head and Neck. Amer. Society of Radiation Oncology, Sep 14-17, San Francisco, CA. Journal of Radiation Oncology, Biology, Physics 90 (1), S567, 9/1/2014.

2015

31. Bayley-Veloso, R.; Weissbecker, I.; Rebholz, W.; **Cash, E.**; Zimmaro, L.; Phillips, K.; Salmon, P.; Sephton, S. Do traumatic events build resilience and promote survival through social support in gynecologic cancer? Amer Psychosomatic Society, Savannah, GA. Psychosomatic Medicine 77 (3), 4/1/2015.
32. Rebholz, W.; Weissbecker, I.; **Cash, E.**; Bayley-Veloso, R.; Zimmaro, L.; Phillips, K.; Sephton, S. Diurnal Cortisol Rhythms and Systemic Norepinephrine Predict Gynecologic Cancer Survival. American Psychosomatic Society, Savannah, GA. Psychosomatic Medicine 77 (3), 4/1/2015.
33. **Cash, E.**; Winders-Davis, D.; Hughes Miller, K.; Petruska, S.; Taylor, M.; Wilks Wagner, L. Founding a New WIMS Chapter at an Established Medical School. Association of American Medical Colleges, Baltimore, MD.

2016

34. Siwik, C.J., Phillips, K., Zimmaro, L., Bayley-Veloso, R., Hicks, A., **Cash, E.**, Salmon, P., Sephton, S. Psychological and Physiological Effects of Problem-focused and Emotional Approach to Coping Styles in Gynecological Cancer Patients. American Psychosomatic Society, Mar 9-12, Denver, CO. Psychosomatic Medicine 78(3), A60, 4/1/2016.
35. Phillips, K., Bayley-Veloso, R., Zimmaro, L., Siwik, C., Hicks, A.M., **Cash, E.**, Salmon, P., & Sephton, S. Does living situation affect stress and health outcomes among cancer patients? American Psychosomatic Society, Mar 9-12, Denver, CO. Psychosomatic Medicine 78(3), A73, 4/1/2016.
36. Hicks, A., Salmon, P., Phillips, K., Zimmaro, L., Siwik, C., Bayley-Veloso, R., Albert, C., Fields, O., **Cash, E.**, & Sephton, S. The role of mindfulness in stress and depressive symptoms of undergraduate students. American Psychosomatic Society, Mar 9-12, Denver, CO. Psychosomatic Medicine 78(3), A101, 4/1/2016.
- *Included in Official Program Committee Press Release of Especially Newsworthy Presentations*
37. Yozwiak, J.; Stamm, K.; Leventhal, G.; Rolston, C.; Hamp, A.; Washburn, J.; Robiner, W.; **Cash, E.**; Hayes, N.; Cubic, B. Collaboration Patterns for Health Service Psychologists in Team-Based Care. Association of American Medical Colleges, Seattle, WA.
38. Perez, C. A., Amsbaugh, M. J., Claudino, W., Yusuf, M., Wu, X., Rai, S. N., Roberts, T.; Wilson, L.; Hall Volz, L.; Khanal, A.B.; Jenson, A.B.; **Cash, E.**; Bumpous, J.; Silverman, C.; Tennant, P.; Dunlap, N.; Redman, R. High-Dose Versus Weekly Cisplatin Definitive Chemoradiation Therapy for Human Papillomavirus-Related Oropharyngeal Squamous Cell Carcinoma of the Head and Neck. Multidisciplinary Head and Neck Cancer Symposium, Scottsdale, AZ. Journal of Radiation Oncology, Biology, Physics 94 (4), 895, 3/15/2016.
39. Bertke, M. H., Shaughnessy, J. N., Forsthoefel, M. K., **Cash, E.**, Silverman, C. L., Amsbaugh, M. J., ... & Dunlap, N. E. HPV Status May Have Limited Value as a Prognostic Factor in Postoperative Squamous Cell Carcinoma of the Head and Neck Compared to Extranodal Extension and Lymphovascular Space Invasion. Multidisciplinary Head and Neck Cancer Symposium, Feb 18-20, Scottsdale, AZ. Journal of Radiation Oncology, Biology, Physics 94 (4), 907, 3/15/2016.
40. Cappello, Z. J., Eid, M., **Cash, E.**, Wilson, L., Tennant, P., Bumpous, J., & Potts, K. Prognostic Indications of p16 and Smoking Status in Predicting the Need for Posttreatment Neck Dissection After Chemoradiation Therapy in Head and Neck Squamous Cell Carcinoma. Multidisciplinary Head and Neck Cancer Symposium, Feb 18-20, Scottsdale, AZ. Journal of Radiation Oncology, Biology, Physics 94 (4), 908, 3/15/2016.
41. Amsbaugh, M. J., Yusuf, M. B., **Cash, E.**, Silverman, C. L., Bumpous, J., Perez, C. A., ... & Dunlap, N. E. Clinical Presentation of Oropharyngeal Squamous Cell Carcinoma in the Modern Era: Does Risk Stratification Using Human Papillomavirus and Smoking Status Matter?. Multidisciplinary Head and Neck Cancer Symposium, Feb 18-20, Scottsdale, AZ. Journal of Radiation Oncology, Biology, Physics 94 (4), 912, 3/15/2016.

42. **Seibert, A.; Pace, A.; Rebholz, W.; Wilson, L.; Bumpous, J.; **Cash, E.** Preoperative Biomarkers as Predictors of Surgical Complications and Survival in Head and Neck Cancer. American Head & Neck Society International, Jul 16-20, Seattle, WA.

2017

43. **Sturgill, R.L.; **Cash, E.**; Bumpous, J. Diagnostic Value of Sentinel Lymph Node Biopsy for Oral Cavity Squamous Cell Carcinoma: A 10 Year Retrospective Study. Triological Society Combined Sections, Jan 19-21, New Orleans, LA.
44. Stamm, K.; Yozwiak, J.; Leventhal, G.; Robiner, W.; Rolston, C.; **Cash, E.**; Ramirez, L.; Williams, A.; Ward, W.; Hayes, N.; Washburn, J. Collaboration Patterns of Health Service Psychologists. Association of Psychologists in Academic Health Centers Biennial Conference, Mar 9-11, Detroit, MI.
45. **Cash, E.**; Brinkman, C.; Rebholz, W.; Albert, C.; Chilton, P.; Mitchell, T.; Wilson, L.; Bumpous, J.; Sephton, S. Depressive Symptoms Relate to Circadian Disruption and Inflammation in Head and Neck Cancer. American Psychosomatic Society, Mar 15-18, Sevilla, Spain. *Psychosomatic Medicine* 79 (4), A89, 5/1/2017.
46. Zimmaro, L.; Segerstrom, S.; **Cash, E.**; Siwik, C.; Phillips, K.; Rebholz, W.; Sephton, S. Moderating Role of Mindfulness on Daily Affect and Cortisol in Lung Cancer Patients. American Psychosomatic Society, Mar 15-18, Sevilla, Spain. *Psychosomatic Medicine* 79 (4), A52, 5/1/2017.
47. Wathen, K.; Cornell, L.; **Cash, E.**; Miller, S.E. Acceptable Noise Level and Auditory Sensory Gating. American Academy of Audiology, Apr 5-8, Indianapolis, IN.
48. Siwik, C.; Rebholz, W.; Phillips, K.; **Cash, E.**; Dhabhar, F.S.; Barve, S.; Zimmaro, L.; Sephton, S. Sense of Coherence in Lung Cancer Patients: Association with Coping, Immune Function, and Fatigue. Psychoneuroimmunology Research Society, Galveston, TX, Jun 7-10. *Brain, Behavior, and Immunity* S66, e25, 6/8/2017.
49. Rebholz, W.; **Cash, E.**; Siwik, C.; Phillips, K.; Albert, C.; Zimmaro, L.; Dhabhar, F.S.; Barve, S.; Sephton, S. Pro-inflammatory, Chemotactic, and Anti-inflammatory Cytokine Responses Associate with HPA, but not SNS, Function in Lung Cancer Patients. Psychoneuroimmunology Research Society, Galveston, TX, Jun 7-10. *Brain, Behavior, and Immunity* S66, e24, 6/8/2017.
50. **Cash, E.**; Rebholz, W.; Albert, C.; Fields, O.; Siwik, C.; Phillips, K.; Zimmaro, L.; Kloecker, G., Sephton, S. Associations Between the Prognostic Indicators Rest/Activity Rhythm and Diurnal Cortisol Profiles in Patients with Lung Cancer. Psychoneuroimmunology Research Society, Galveston, TX, Jun 7-10. *Brain, Behavior, and Immunity* S66, e31-2, 6/8/2017.
51. Sephton, S.; **Cash, E.**; Zimmaro, L.; Rebholz, W.; Albert, C.; Siwik, C.; Phillips, K.; Salmon, P. An iPod-Based Adaptation of MBSR for Lung Cancer: Associations of Usage with Depression and Behavioral and Endocrine Circadian Markers. Psychoneuroimmunology Research Soc., Galveston, TX, Jun 7-10. *Brain, Behavior, and Immunity* S66, e27, 6/8/2017.
52. Siwik, C., Phillips, K., Salmon, P., Litvan, I., Filoteo, J.V., Rebholz, W., **Cash, E.**, Hicks, A., van der Gryp, K., & Sephton, S.E. An MBSR Intervention for Parkinson's Disease Patients and Caregiving Partners: Effects on Distress, Social Support, Cortisol, and Inflammation. American Psychosomatic Society Mid-Year Scientific Conference, Berkeley, CA, Oct 17-19.

2018

53. Siwik, C., Phillips, K., Salmon, P., Litvan, I., Filoteo, V., Rebholz, W., **Cash, E.**, Hicks, A., van der Gryp, K., & Sephton, S.E. An MBSR intervention for Parkinson's disease patients and caregiving partners: Effects on distress, social support, cortisol and inflammation. American Psychosomatic Society, Mar 7-10, Louisville, KY.
54. Phillips, K., Siwik, C., Hicks, A., Salmon, P., **Cash, E.**, Litvan, I., Filoteo, J.V., van der Gryp, K., & Sephton, S.E. (2017). *Exploration of dyadic associations of anxiety and diurnal cortisol among Parkinson's disease patient/caregiver dyads*. American Psychosomatic Society, Mar 7-10, Louisville, KY.
55. van der Gryp, K., Siwik, C., Zimmaro, L., Phillips, K., Rebholz, W., **Cash, E.**, Hicks, A., and Sephton, S.E.. Lung Cancer-related Distress is Associated with Elevated Mean Diurnal Cortisol Levels. American Psychosomatic Society, Mar 7-10, Louisville, KY.
56. **Brinkman, C., Rebholz, W., Albert, C., Bumpous, J., Sephton, S.E., & **Cash, E.**.. Cancer-specific distress and weekday versus weekend differences in circadian rest/activity rhythms in head and neck cancer patients. American Psychosomatic Society, Mar 7-10, Louisville, KY.

57. Weingartner, L.; Holthouser, A.; Potter, J.; Noonan, E.; Steinbock, S.; Bohnert, C.; **Cash, E.**; Sawning, S. Measuring Clinical Skills with Transgender and Genderqueer Standardized Patients: Gains, Gaps, and Future Directions for Medical Students. Southern Group on Educational Affairs Annual Conference, April 19-21, Jackson, MS.
58. ****Duck, C.R.**; Brinkman, C.; Albert, C.; Rebholz, W.; Chilton, P.; Mitchell, T.; Sephton, S.; Bumpous, J.; **Cash, E.** Depressive symptoms, diurnal salivary cortisol and the role of inflammation in treatment outcomes in head and neck cancer. Combined Otolaryngology Sections Meeting, April 19-22, Baltimore, MD.
59. Weingartner, L.; Steinbock, S.; Noonan, E.; Holthouser, A.; Potter, J.; Shaw, M.A.; **Cash, E.**; Sawning, S. The eQuality Toolkit: Context and Development of a Concise LGBTQ-DSD Health Clinical Skills Manual. 36th GLMA Annual Conference on LGBTQ Health, Oct 10-13, Las Vegas, NV.

LOCAL MEETINGS

***Denotes Mentored Student Presentation*

2006, 2007 Louisville Breast Cancer Update, Louisville, KY.

1. Dedert, E.; Floyd, A.; Chagpar, A.; **Cash (Lush), E.**; Weissbecker, I.; Thornton, J.; Martin, M.; Sephton, S. Stress and Circadian Disruption in Chemoresistance.
2. **Cash (Lush), E.**; Martin, M.; Dedert, E.; Chagpar, A.; Rhodes, P.; Sephton, S. Distress, Cortisol and Sleep-Wake Rhythms in Recently Diagnosed Breast Cancer Patients.
3. Martin, M.; **Cash (Lush), E.**; Dedert, E.; Chagpar, A.; Rhodes, P.; Sephton, S. Avoidant Coping Styles: Associations with Physiological Stress Markers among Recently Diagnosed Breast Cancer Patients.

2007 Brown Cancer Center 6th Annual Retreat, Louisville, KY.

4. **Cash (Lush), E.**; Weissbecker, I.; Floyd, A.; Dedert, E.; Salmon, P.; Sephton, S. Biological Correlates of Social Support in Gynecologic Cancer Patients.
5. **Cash (Lush), E.**; Chagpar, A.; Dedert, E.; Martin, M.; McMasters, K.; Rhodes, P.; Dayyat, E.; Sephton, S. Distress, Cortisol, and Sleep-Wake Rhythms in Recently Diagnosed Breast Cancer Patients.
6. Sephton, S.; Dedert, E.; Floyd, A.; Weissbecker, I.; **Cash (Lush), E.**; Salmon, P. Diurnal Cortisol Rhythm as a Predictor of Lung Cancer Survival.
7. Martin, M.; **Cash (Lush), E.**; Dedert, E.; Chagpar, A.; Rhodes, P.; Sephton, S. Avoidant Coping Styles: Associations with Physiological Stress Markers among Recently Diagnosed Breast Cancer Patients.

2008 Research!Louisville

8. Eismann, E.A., Weissbecker, I., Floyd, A., Helm, C.W., Metzinger, D., **Cash (Lush), E.**, Sephton, S. Traumatic Events and Stress Physiology in Women with Gynecologic Cancer.

2008 Brown Cancer Center 7th Annual Retreat, Louisville, KY.

9. **Cash (Lush), E.**, Weissbecker, I., Floyd, A., Helm, C.W., Metzinger, D., Self, E., Eismann, E.A., Sephton, S. Social Relationships and Quality of Life in Gynecologic Cancer Patients.
10. Sephton, S., Eismann, E.A., **Cash (Lush), E.** Circadian Biology and Cancer Progression, a Review of Recent Evidence.
11. Eismann, E.A., Weissbecker, I., Floyd, A., Helm, C.W., Metzinger, D., **Cash (Lush), E.**, Sephton, S. Traumatic Events and Stress Physiology in Women with Gynecologic Cancer.

2010 Brown Cancer Center 9th Annual Retreat, Louisville, KY.

12. Gesler, W., Dhabhar, F., Chagpar, A., Dedert, E., **Cash (Lush), E.**, Daup, M., Dayyat, E., McMasters, K., Sephton, S. Distress and Inflammation in Women Newly Diagnosed with Breast Cancer.
13. Thompson, A., Dhabhar, F., Chagpar, A., Dedert, E., **Cash (Lush), E.**, Daup, M., Dayyat, E., McMasters, K., Sephton, S. Distress & Inflammation in Women Newly Diagnosed with Breast Cancer.

2011 Stanford Cancer Center Members' Retreat

14. Dhabhar, F.; Spiegel, D.; **Cash (Lush), E.**; Chagpar, A; Tillie, J; Neri, E.; Daup, M.; Dedert, E.; Dayyat, E.; McMasters, K.; Sephton, S. Effects of Stress and Circadian Disruption on Immune & Angiogenic Factors in Newly Diagnosed, Pre-surgical, Breast Cancer Patients, Stanford, CA.

2012 Brown Cancer Center 11th Annual Retreat, Louisville, KY.

15. Dooley, L.; Tate, A.; **Cash (Lush), E.**; Bumpous, J. Nasopharyngeal Carcinoma: University of Louisville Experience.

2013 Brown Cancer Center 12th Annual Retreat, Louisville, KY.

16. Hirsch, M; Willcut, B.; **Cash, E.**; Bumpous, J. What is the Yield of Parotidectomy in the Surgical Treatment of SCCA of the Face?
17. Lee, H; **Cash, E.**; Wilson, L.; Potts, K.; Silverman, C.; Dunlap, N.; Redman, R.; Bumpous, J. p16 Status and Cervical Lymph Node Disease in Oropharyngeal Squamous Cell Cancer.
 - *Second Place Clinical Research Resident/Fellow Award*
18. Katrib, Z.; Nesemeier, R; **Cash, E.**; Yun, J.; Wilson, L.; Bumpous, J. Recidivism Rates of Patients with Advanced Head and Neck Squamous Cell Carcinoma Enrolled in Chemotherapy and Irradiation Treatment as a Function of Geography, Anxiety and Depression, and Substance abuse.
 - *Third Place Clinical Research Resident/Fellow Award*
19. **Cash, E.**; Self, E.; Wilson, L.; Russ, E.; Bumpous, J. Anxiety, Depressive Symptoms, and Quality of Life in Newly Diagnosed Head and Neck Cancer Patients.

2013 Research!Louisville

20. Katrib, Z.; **Cash, E.**; Bumpous, J.; Wilson, L.; Nesemeier, R. Recidivism Rates of patients with Advanced Head and Neck Squamous Cell Carcinoma Enrolled in Chemotherapy and Irradiation treatment as a Function of Geography, Anxiety and Depression, and Substance Abuse.
21. McNulty, B.; Chandran, S.K.; **Cash, E.** Pediatric Airway Evaluation, Indications, and Clinical Findings.
22. Jacob, S.; Harris, V.; **Cash, E.**; Kalathoor, S.; Chandran, S.K. Correlation Between the Presence of Obstructive Sleep Apnea and Difficulty of Anesthesia Induction in Children Undergoing Tonsillectomy.

2014 Research!Louisville

23. Packer, T.; Zimmaro, L.; **Cash, E.**; Sephton, S. Circadian Disruption: Distress and Sleep Quality in Breast Cancer Patients.
24. ****Rasmussen, E.**; Bumpous, J.; **Cash, E.** Absolute Lymphocyte Count as a Prognostic Indicator in Head and Neck Cancer.
25. Lee, H.; **Cash, E.**; Wilson, L.; Potts, K.; Silverman, C.; Dunlap, N.; Redman, R.; Bumpous, J. p16 Status and Neck Nodal Disease in Oropharyngeal Squamous Cell Cancer.
26. Steitz, J.; Gettelfinger, J.; **Cash, E.**; Chandran, S.K. The effect of Medialization Laryngoplasty on Aspiration in Patients with Unilateral True Vocal Cord Paralysis.
27. Katrib, Z.; Waldman, L.; **Cash, E.**; Steitz, J.; Azbell, C.; Chandran, S.K. Pediatric Neck Abscesses: Predicting the Necessity of Incision and Drainage.
28. Azbell, C.; Allen, S.; **Cash, E.**; Chandran, S.K. Comparison of Pediatric Tracheostomies Performed for Anatomic and Respiratory Pathologies.

2015 Research!Louisville

29. ****Pace, A.**; Seibert, A.; Rebholz, W.; Wilson, L.; Bumpous, J.; **Cash, E.** Distress, Anxiety, Depressive Symptoms and Malnutrition Biomarkers on Head and Neck Cancer Progression and Overall Survival.
30. ****Seibert, A.**; Pace, A.; Rebholz, W.; Wilson, L.; Bumpous, J.; **Cash, E.** Preoperative Biomarkers as Predictors of Surgical Complications and Survival in Head and Neck Cancer.
31. Lee, H.; Chandran, S.; Potts, K; **Cash, E.** Incidence of Allergic Disease on Dysphonia Patients and its Effect on Voice Handicap.
32. Albert, C.; Stantliff, T.; **Cash, E.**; Sephton, S. Circadian Rhythms and Diurnal Profiles of Salivary Alpha Amylase in Women with Breast Cancer.
 - *Research!Louisville 2nd Place Undergraduate Poster Award*
33. Azbell, C.; **Cash, E.**; Gadre, A. Endoscopic Assisted Tympanoplasty Outcomes in Pediatric Population.
34. Worthen, M.; Tennant, P.; **Cash, E.**; Slone, S.; Jusufbegovic, M.; Yang, X.; Vaughn, A.; Bumpous, J. Fungal Contribution in Chondroradionecrosis of the Larynx.
35. Katrib, Z.; **Cash, E.**; Chandran, S.; Waldman, L.; Steitz, J.; Azbell, C. Pediatric Neck Abscesses: Predicting the Necessity of Incision and Drainage.

2016 Research!Louisville

36. ****Adkisson, K.**; Albert, C; Sephton, S.; **Cash, E.** Nutritive Intake Relates to Activated Cytotoxic T Cells in Lung Cancer Patients.
37. ****Duck, C.**; Brinkman, C.; Albert, C.; Chilton, P.; Mitchell, T.; Sephton, S.; **Cash, E.** Depression and its Relationship to IL-6, VEGF and Quality of Life in Head and Neck Cancer.
38. ****Sharma, D.**; Brinkman, C.; Albert, C.; Worthen, M.; Chilton, P.; Mitchell, T.; Sephton, S.; **Cash, E.** Relationships Between Trait Mindfulness and Psychosocial Factors, Clinical Biomarkers and Quality of

Life in Head and Neck Cancer.

39. Nesemeier, R., **Cash, E.**, Chandran, S.; Sharma, D. Hospitalization Trends for Croup and Associated Procedures Over Five Years.
40. Sturgill, R.L.; **Cash, E.**; Bumpous, J. Diagnostic Value of Sentinel Lymph Node Biopsy for Oral Cavity Squamous Cell Carcinoma: A 10 Year Retrospective Study.

2017

41. ****Minnick, J.**; Brinkman, C.; Albert, C.; Zahorik, P.; **Cash, E.**; Miller, S. Anxiety, Depressive Symptoms, and Spatial Perception in Head and Neck Cancer. Kentucky Speech-Language-Hearing Association Convention, Feb 22-25, Lexington, KY.
 - *KSHA Student Competition 3rd Place Poster Award*
42. ****Duck, C.R.**; Brinkman, C.; Albert, C.; Rebholz, W.; Chilton, P.; Mitchell, T.; Sephton, S.; Bumpous, J.; **Cash, E.** Depressive Symptoms, Diurnal Salivary Cortisol and Treatment Outcomes in Head and Neck Cancer. Research!Louisville.

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43. ****Patel, L.**, Rebholz, W., Katrib, Z., Nesemeier, R., Albert, C., Kanuparth, M., **Cash, E.** Neighborhood Socioeconomic Stressor Effects in Head and Neck Cancer Patients. R25 Cancer Education Program and Research!Louisville, 10/10/18.

PUBLICATIONS

www.ncbi.nlm.nih.gov/sites/myncbi/1-9rqz7dmVdAK/bibliography/47299007/public/?sort=date&direction=ascending

PEER-REVIEWED JOURNAL ARTICLES

***Denotes Mentored Student Publication*

ORIGINAL RESEARCH ARTICLES

2009

1. **Cash (Lush), E.**, Salmon, P., Floyd, A., Studts, J., Weissbecker, I., Sephton, S. Mindfulness Meditation for Symptom Reduction in Fibromyalgia: Psychophysiological Correlates. *Journal of Clinical Psychology in Medical Settings*, 16 (2), 200-207. PMID: [19277851](https://pubmed.ncbi.nlm.nih.gov/19277851/)

2012

2. Dedert, E.; **Cash (Lush), E.**; Chagpar, A.; Dhabhar, F.; Segerstrom, S.; Spiegel, D.; Dayyat, E; Daup, M.; McMasters, K.; Sephton, S. Stress, Coping and Circadian Disruption Among Women Awaiting Breast Cancer Surgery. *Annals of Behavioral Medicine*, 44(1), 10-20. PMID: [22450856](https://pubmed.ncbi.nlm.nih.gov/22450856/)

2013

3. Sephton, S.; **Cash (Lush), E.**; Dedert, E.; Floyd, A.; Gesler, W.N.; Dhabhar, F.S.; Spiegel, D.; Salmon, P. Diurnal Cortisol Rhythm as Predictor of Lung Cancer Survival. *Brain, Behavior, and Immunity*, 30, S163-S170. PMID: [22884416](https://pubmed.ncbi.nlm.nih.gov/22884416/)
4. Williams, S.R.; **Cash, E.**; Daup, M.; Geronimi, E.M.C.; Sephton, S.; Woodruff-Borden, J. Exploring Patterns in Cortisol Synchrony Among Anxious and Nonanxious Mother and Child Dyads: A Preliminary Study. *Biological Psychiatry*, 93 (2), 287-295. PMID: [23511898](https://pubmed.ncbi.nlm.nih.gov/23511898/)

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5. Tennant, P.; **Cash, E.**; Bumpous, J.; Potts, K.L. Persistent tracheostomy after primary chemoradiation for advanced hypopharyngeal and laryngeal cancer. *Head & Neck*, 36 (11), 1628-1633. PMID: [24115178](https://pubmed.ncbi.nlm.nih.gov/24115178/)
6. Narayan, R.; Shaughnessy, J.; Silverman, C.; Bumpous, J.; Potts, K.; Redman, R.; **Cash, E.**; Swanson, C.; Wilson, L.; Dunlap, N.E. The relationship between patterns of failure and human papilloma virus (HPV) status for squamous cell carcinoma of the oropharynx after definitive chemoradiotherapy: what role does elective nodal irradiation play? *Journal of Radiation Oncology*, 4 (1), 47-53. DOI: [10.1007/s13566-014-0174-3](https://doi.org/10.1007/s13566-014-0174-3)

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7. Thompson, D.; Weissbecker, I., **Cash, E.**, Daup, M.; Simpson, D.; Sephton, S. E. Stress & Cortisol in Disaster Evacuees: Association with Social Protective Factors. *Applied Psychophysiology and Biofeedback*, 40 (1), 33-44. PMID: [25787070](https://pubmed.ncbi.nlm.nih.gov/25787070/)

8. **Cash, E.**; Salmon, P.; Weissbecker, I.; Rebholz, W.; Bayley-Veloso, R.; Zimmaro, L.; Floyd, A.; Dedert, E.; Sephton, S. Mindfulness Meditation Alleviates Fibromyalgia Symptoms in Women: Results of a Randomized Trial. *Annals of Behavioral Medicine*, 49 (3), 319-330. PMID: [25425224](#)

- *Apr 2018, EverydayHealth interview and news release about mindfulness therapies for fibromyalgia*

9. Bhatt, A.D.; Goodwin, N.; **Cash, E.**; Bhatt, G.; Silverman, C.L.; Spanos, W.J.; Bumpous, J.; Potts, K.; Redman, R.; Allison, W.A.; Dunlap, N.E. Impact of Transcutaneous Neuromuscular Electrical Stimulation on dysphagia in Head and Neck Cancer Patients Treated with Definitive Chemoradiation. *Head & Neck*, 37 (7), 1051–1056. PMID: [24710791](#)

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10. Zimmaro, L., Phillips, K., Salmon, P., Giese-Davis, J., Patel, H., Rowe, J., Rebholz, W. N., Bayley-Veloso, R., Altman, J. K., **Cash, E.**, Siwik, C., Hicks, A., Sephton, S. E. Association of Dispositional Mindfulness with Stress, Cortisol, and Well-being Among University Undergraduate Students. *Mindfulness*, 1-12. link.springer.com/article/10.1007%2Fs12671-016-0526-8
11. **Cash, E.**; Sephton, S.; Chagpar, A.; Spiegel, D.; Rebholz, W.G.; Zimmaro, L.; Tillie, J.; Dhabhar, F.S. Circadian Disruption and Biomarkers of Tumor Promotion in Breast Cancer Patients Awaiting Surgery. *Brain, Behavior and Immunity*, 48, 102-114. PMID: [25728235](#)
12. Rebholz, W.; **Cash, E.**; Zimmaro, L.; Bayley-Veloso, R.; Phillips, K.; Siwik, C.; Chagpar, A.; Dhabhar, F.S.; Spiegel, D.; Saltsman Bell, B.N.; Sephton, S. Distress and QOL in an Ethnically Diverse Sample Awaiting Breast Cancer Surgery. *Journal of Health Psychology*. PMID: [27466289](#)
13. Woods, C.; **Cash, E.**; Smith, A.; Smith, M.; Myers, J.; Espinosa, C.; Chandran, S.K. Retropharyngeal and Parapharyngeal Abscesses among Children and Adolescents in the U.S.: Epidemiology and Management Trends, 2003-2012. *Journal of the Pediatric Infectious Diseases Society*. PMID: [26407249](#)
14. Amsbaugh, M. J., Yusuf, M. B., **Cash, E.**, Silverman, C. L., Wilson, L.; Bumpous, J., Potts, K.; Perez, C., Bert, R.; Redman, R.; Dunlap, N. Distribution of Cervical Lymph Node Metastases From Squamous Cell Carcinoma of the Oropharynx in the Era of Risk Stratification Using HPV and Smoking Status. *International Journal of Radiation Oncology, Biology, Physics*, 96(2), 349-353. PMID: [27598805](#)
15. **Cash, E.**; Tran, A.G.T.T. Introduction to the Special Issue: Invited Papers from APAHC Award Honorees, 2013-2015. *Journal of Clinical Psychology in Medical Settings*, 24 (4). PMID: [27743170](#)

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16. **Cash, E.**; Tran, A.G.T.T. Introduction to Part 2 of the Special Issue: Invited Papers from APAHC Award Honorees, 2013-2015. *Journal of Clinical Psychology in Medical Settings*, 24(1), 1-2. PMID: [28251428](#)
17. Worthen M.; Jusufbegovic, M.; Bumpous, J.; Vaughn, A.; **Cash, E.**; Yang, X.; Fichandler, C.; Tennant, P. Fungal Contribution in Chondroradionecrosis of the Larynx. *Laryngoscope*. PMID: [27666333](#)
18. Brennenman, L.; **Cash, E.**; Chermak, G.; Guenette, L.; Masters, G.; Musiek, F.; Brown, M.; Ceruti, J.; Fitzegerald, K.; Geissler, K.; Gonzalez, J.; Weihing, J. The relationship between central auditory processing, language, and cognition in children being evaluated for central auditory processing disorder (CAPD). *Journal American Academy of Audiology*, 28(8), 758-769. PMID: [28906246](#)
19. Siwik, C., Hicks, A., Phillips, K., Rebholz, W.N., Zimmaro, L.A., Weissbecker, I., **Cash, E.**, Sephton, S.E. Impact of Coping Strategies on Perceived Stress, Depression, and Cortisol Profiles Among Gynecologic Cancer Patients. *Journal of Health Psychology*, *Epub ahead of print*. PMID: [29172807](#)
20. Cao, A.; Khayat, S.; **Cash, E.**; Nickel, C.; Gettelfinger, J.; Tennant, P.; Bumpous, J.M. ACS NSQIP Risk Calculator Reliability in Head and Neck Oncology: The Effect of Prior Chemoradiation on NSQIP Risk Estimates Following Laryngectomy. *American Journal of Otolaryngology - Head and Neck Medicine and Surgery*, *Epub ahead of print*. PMID: [29174070](#)

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21. **Zimmaro, L., Sephton, S.E., Siwik, C.; Phillips, K.; Rebholz, W.; Kraemer, H.; Giese-Davis, J.; Wilson, L.; Bumpous, J.; **Cash, E.** Depressive Symptoms Predict Head and Neck Cancer Survival: Examining Plausible Behavioral and Biological Pathways. *Cancer*, 124, 1053-60. PMID: [29355901](#)

- *Nov 2017, Wiley public relations staff disseminated news release about the research, which generated more than 50 news stories in major national and international press outlets.*
- *Jan 2018, ReutersHealth interview and news release about the research*
- *Feb 2018, CURE Magazine interview about depression in head and neck cancer*
- *Feb 2018, JNCCN360 head and neck microsite includes news release about the research*
- *Mar 2018, UL Today radio interview about the research*
- *May 2018, ENT Today interview about depression in head and neck cancer*

22. Amsbaugh, M.; Yusuf, M.; **Cash, E.**; Silverman, C.; Potts, K.; Dunlap, N. The Effect of Time to Simulation and Treatment for Patients with Oropharyngeal Cancer Receiving Definitive Radiotherapy in the Era of Risk Stratification Using Smoking And Human Papilloma Virus Status. *Head and Neck*, 40, 687-695. PMID: [29356189](#)
23. Miller, S.; Wathen, K.; **Cash, E.**; Pitts, T.; Cornell, L. Auditory Sensory Gating Predicts Acceptable Noise Level. *Hearing Research*, *Epub ahead of print*. PMID: [29325873](#)
24. **Cash, E.**; Duck, C. R.; Brinkman, C.; Rebholz, W.; Albert, C.; Worthen, M.; Jusufbegovic, M.; Wilson, L.; Bumpous J.M. Depressive Symptoms and Actigraphy-Measured Circadian Disruption Predict Head and Neck Cancer Survival. *Psycho-Oncology*, *Epub ahead of print*. PMID: [30117225](#)

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25. Salmon, P.; **Cash (Lush), E.**; Jablonski, M.; Sephton, S. (2008). Yoga and Mindfulness: Clinical Aspects of an Ancient Mind/Body Practice. *Cognitive and Behavioral Practice*, 16 (1), 59-72. DOI: [10.1016/j.cbpra.2008.07.002](#)
26. Eismann, E.; **Cash (Lush), E.**; Sephton, S. (2010). Circadian Effects in Cancer-Relevant Psychoneuroendocrine and Immune Pathways. *Psychoneuroendocrinology*, 35 (7), 963-976. PMID: [20097011](#)

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27. **Cash, E.**; Boktor, S. (2017). Biostatistics, Interpretation. StatPearls, Treasure Island, FL, StatPearls Publishing, LLC. Chapter and learner questions included in 26 eBooks, Apps, and Online Learning Management Systems. PMIDs: [28613710](#)
28. **Cash, E.**; Toney-Butler, T. (2017). Social Relations. StatPearls, Treasure Island, FL, StatPearls Publishing, LLC. Chapter and learner questions included in 27 eBooks, Apps, and Online Learning Management Systems. PMID: [28613794](#)
29. Worthen, M.; **Cash, E.** (2018). Stress Management. StatPearls, Treasure Island, FL, StatPearls Publishing, LLC. Chapter and learner questions included in 27 eBooks, Apps, and Online Learning Management Systems. PMID: [30020672](#)

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30. Weissbecker, I.; Simpson, D.; Sephton, S.; **Cash (Lush), E.** (2007). Mental Health and Psychosocial Issues in Disaster Preparedness in Belize. Working paper 07-03. Louisville, KY: Center for Hazards Research and Policy Development, University of Louisville.
31. **Cash (Lush), E.** Dissertation (2012). Social Support and Immune Function in Breast Cancer: Potential for Circadian Mediation. Faculty Mentor: Sandra E. Sephton, Ph.D. Submitted to the Department of Psychological and Brain Sciences, University of Louisville, Louisville, KY.

BULLETIN/NEWSLETTER CONTRIBUTIONS

32. **Cash, E.** (2014). An Update From Your New Early Career Psychologist Committee Chair. Kentucky Psychological Association e-Newsletter. October 31.
33. **Cash, E.** (2015). Negotiating and Sustaining a Career in Academic Medicine: The What, Why, and How a Psychologist Joined an Academic Surgical Department. Grand Rounds: Association for Psychologists in Academic Health Centers Newsletter. Spring Issue.

34. **Cash, E.** (2016). Stress and Its Impact on Your Health. No Appointment Needed: University of Louisville Physicians Blog (bit.ly/cash-stresshealth). June 7.
35. Ward, W.; **Cash, E.**; Daniels, L.; Robiner, B. (2018). Results of the Latest APAHC Member Survey. Grand Rounds: Association for Psychologists in Academic Health Centers Newsletter. Fall Issue.