

February 2022

**CURRICULUM VITAE**  
**Yvette P Conley**  
**University of Pittsburgh**

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440 Victoria Building  
Pittsburgh, PA 15261

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**EDUCATION and TRAINING**

**Undergraduate**

4/1989

Florida Atlantic University  
Boca Raton, FL

BA  
Biology

**Graduate**

8/1993

University of Pittsburgh  
Pittsburgh, PA

MS  
Genetic Counseling

4/1999

University of Pittsburgh  
Pittsburgh, PA

PhD  
Human Genetics

**Postgraduate**

1999 - 2000

University of Pittsburgh  
Pittsburgh, PA

Molecular Genetics

**APPOINTMENTS and POSITIONS**

**Academic**

2020 – Present

School of Nursing  
University of Pittsburgh

PhD Program Director

2018 – Present

UPMC Hillman Cancer Center

Biobehavioral Cancer Control  
Investigator

2017 – Present

Genomics of Patient Outcomes Hub  
School of Nursing  
University of Pittsburgh

Director

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2013 – Present	School of Nursing University of Pittsburgh	Professor (with tenure)
2013 – Present	School of Nursing University of Pittsburgh	Vice Chair for Research
2013 – Present	Graduate School of Public Health, Department of Human Genetics University of Pittsburgh	Professor (Secondary Appointment)
2013 – Present	Clinical and Translational Science Institute, University of Pittsburgh	Professor (Secondary Appointment)
2008 – Present	Safar Center for Resuscitation Research University of Pittsburgh	Associate Scientist
2007 - 2013	School of Nursing University of Pittsburgh	Associate Professor (with tenure)
2007 – 2013	Graduate School of Public Health, Department of Human Genetics University of Pittsburgh	Associate Professor (Secondary Appointment)
2006 - Present	Targeted Research and Academic Training of Nurses in Genomics Training Program (T32NR009759)	Director
2000 - 2007	School of Nursing University of Pittsburgh	Assistant Professor
2000 - 2007	Graduate School of Public Health, Department of Human Genetics University of Pittsburgh	Assistant Professor (Secondary Appointment)
1989 - 1999	Graduate School of Public Health, Department of Human Genetics University of Pittsburgh	Full-time laboratory supervisor and senior technician for molecular genetics laboratory while attending graduate school part time

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**Non-Academic**

2002 – 2019	National Institute of Nursing Research Summer Genetics Institute	Faculty
2006 – 2009	American Society of Human Genetics	Appointed Member
2009 – 2013	NIH; Nursing and Related Clinical Sciences (NRCS) Study Section	Appointed Standing Member
2013	National Institute of Nursing Research Scientific Director Search Committee – Scientific Director appointed	Member
2013 – 2018	National Institute of Nursing Research Genomic Nursing Science Blueprint Workgroup	Member
2013; 2016; 2018	NIH; National Institute of Nursing Research Intramural Review Committee	Ad Hoc Member
2013 – 2015	Member of Council for the Advancement of Nursing Science Advisory Committee for PhD Curriculum Development (IFAC)	Chair for Omics working group
2014 – 2018	National Institute of Nursing Research/ National Human Genome Research Institute; Genome Research Consortium Workgroup	Co-Chair
2017 – 2021	National Advisory Council for Nursing Research, National Institutes of Health	Appointed Member
2017 and 2021	Board of Scientific Counselors National Institutes of Health Clinical Center Department of Nursing	Ad Hoc Member
2019	Annual Science Planning Committee Division of Extramural Research, National Institutes of Health, National Institute of Nursing Research	Ad Hoc Member
2020 – 2021	American Cancer Society Scholarships in Oncology Nursing Peer Review Committee	Regular Member

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2020 – 2021	National Institute of Nursing Research Strategic Planning Work Group	Co-Chair
2020 - present	National Cancer Institute Symptom and Quality of Life Cancer Related Cognitive Impairment Longitudinal Clinical Trials Planning Working Group	Member

### **HONORS and AWARDS**

1999	Outstanding Student Award, University of Pittsburgh, Graduate School of Public Health
2003	Chancellor's Innovation in Education Award University of Pittsburgh
2004	Provost's Diversity Seminar Fellow University of Pittsburgh
2006	Dean's Distinguished Teaching Award University of Pittsburgh School of Nursing
2007	University of Pittsburgh Innovator Award
2008	University of Pittsburgh Innovator Award
2008	International Society of Nurses in Genetics President's Award
2010	University of Pittsburgh Innovator Award
2011	Honorary Alumni Award University of Pittsburgh School of Nursing
2015	Distinguished Alumni Award for Teaching and Dissemination University of Pittsburgh Graduate School of Public Health
2015	International Society of Nurses in Genetics Founders Award Genomic Nursing Research
2016	Honorary Fellow in the American Academy of Nursing
2017	University of Pittsburgh Innovator Award
2018	University of Pittsburgh Innovator Award
2020	Chancellor's Distinguished Research Award, University of Pittsburgh
2021	Provost's Award for Doctoral Mentoring, University of Pittsburgh
2022	ENRS Distinguished Contributions to Nursing Research Award

### **MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES**

1991 - Present	Member, American Society of Human Genetics
2000 - Present	Member, International Society of Nurses in Genetics
2006 - 2009	Appointed Member, American Society of Human Genetics Information and Education Committee
2006 – Present	Member, Council for the Advancement of Nursing Science
2019 – Present	Member, Oncology Nursing Society
2020 – Present	Member, Eastern Nursing Research Society

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## PUBLICATIONS

**25 February 2022 → 292 Peer-reviewed publications; h-index = 42; i10-index = 169**

### Peer-reviewed Publications

Fitzgerald Jones K, Fu MR, McTernan ML, Ko E, Yazicioglu S, Axelrod D, Guth AA, Miaskowski C, Conley YP, Wood LJ, Wang Y. Lymphatic Pain in Breast Cancer Survivors. *Lymphat Res Biol*. 2021 Dec 31. doi: 10.1089/lrb.2021.0017. Epub ahead of print. PMID: 35089817.

Heinsberg LW, Weeks DE, Alexander SA, Minster RL, Sherwood PR, Poloyac SM, Deslouches S, Crago EA, Conley YP. Iron homeostasis pathway DNA methylation trajectories reveal a role for STEAP3 metalloreductase in patient outcomes after aneurysmal subarachnoid hemorrhage. *Epigenetics Commun*. 2021;1:4. doi: 10.1186/s43682-021-00003-5. Epub 2021 Dec 20. PMID: 35083470; PMCID: PMC8788201.

Heinsberg LW, Liu D, Shaffer JR, Weeks DE, Conley YP. Characterization of cerebrospinal fluid DNA methylation age during the acute recovery period following aneurysmal subarachnoid hemorrhage. *Epigenetics Commun*. 2021;1:2. doi: 10.1186/s43682-021-00002-6. Epub 2021 Dec 20. PMID: 35083469; PMCID: PMC8787331.

Liu D, Zusman BE, Shaffer JR, Li Y, Arockiaraj AI, Liu S, Weeks DE, Desai SM, Kochanek PM, Puccio AM, Okonkwo DO, Conley YP, Jha RM. Decreased DNA Methylation of RGMA is Associated with Intracranial Hypertension After Severe Traumatic Brain Injury: An Exploratory Epigenome-Wide Association Study. *Neurocrit Care*. 2022 Jan 13. doi: 10.1007/s12028-021-01424-9. Epub ahead of print. PMID: 35028889.

Liu T, Li H, Conley YP, Primack BA, Wang J, Li C. The Brain-Derived Neurotrophic Factor Functional Polymorphism and Hand Grip Strength Impact the Association between Brain-Derived Neurotrophic Factor Levels and Cognition in Older Adults in the United States. *Biol Res Nurs*. 2022 Jan 3:10998004211065151. doi: 10.1177/10998004211065151. Epub ahead of print. PMID: 34974714.

Harris CS, Kober KM, Conley YP, Dhruva AA, Hammer MJ, Miaskowski CA. Symptom clusters in patients receiving chemotherapy: A systematic review. *BMJ Support Palliat Care*. 2022 Mar;12(1):10-21. doi: 10.1136/bmjspcare-2021-003325. Epub 2021 Dec 17. PMID: 34921000; PMCID: PMC8857036.

Smoot BJ, Mastick J, Shepherd J, Paul SM, Kober KM, Cooper BA, Conley YP, Dixit N, Hammer MJ, Fu MR, Abrams G, Miaskowski C. Use of Dual-Energy X-Ray Absorptiometry to Assess Soft Tissue Composition in Breast Cancer Survivors With and Without Lymphedema. *Lymphat Res Biol*. 2021 Nov 18. doi: 10.1089/lrb.2021.0030. Epub ahead of print. PMID: 34793255.

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Ray M, Heinsberg LW, Conley YP, Roberts JM, Jeyabalan A, Hubel CA, Weeks DE, Schmella MJ. An exploratory study of white blood cell proportions across preeclamptic and normotensive pregnancy by self-identified race in individuals with overweight or obesity. *Hypertens Pregnancy*. 2021 Nov;40(4):312-321. doi: 10.1080/10641955.2021.1987453. Epub 2021 Oct 26. PMID: 34697971; PMCID: PMC8740522.

Pozzar RA, Hammer MJ, Cooper BA, Kober KM, Chen LM, Paul SM, Conley YP, Cartwright F, Wright F, Levine JD, Miaskowski C. Stability of Symptom Clusters in Patients With Gynecologic Cancer Receiving Chemotherapy. *Cancer Nurs*. 2021 Sep 23. doi: 10.1097/NCC.0000000000000988. Epub ahead of print. PMID: 34560709.

Pozzar RA, Hammer MJ, Paul SM, Cooper BA, Kober KM, Conley YP, Levine JD, Miaskowski C. Distinct sleep disturbance profiles among patients with gynecologic cancer receiving chemotherapy. *Gynecol Oncol*. 2021 Nov;163(2):419-426. doi: 10.1016/j.ygyno.2021.09.002. Epub 2021 Sep 11. PMID: 34521555.

Ogle T, Alexander K, Yates P, Paul SM, Kober KM, Conley YP, Schumacher M, Levine JD, Miaskowski C. Occurrence and perceived effectiveness of activities used to decrease chemotherapy-induced peripheral neuropathy symptoms in the feet. *Eur J Oncol Nurs*. 2021 Oct;54:102025. doi: 10.1016/j.ejon.2021.102025. Epub 2021 Sep 2. PMID: 34500317.

Chan RJ, Cooper B, Koczwara B, Chan A, Tan CJ, Gordon L, Paul SM, Dunn LB, Conley YP, Kober KM, Abrams G, Levine JD, Miaskowski C. Characteristics associated with inter-individual variability in financial distress in patients with breast cancer prior to and for 12 months following surgery. *Support Care Cancer*. 2022 Feb;30(2):1293-1302. doi: 10.1007/s00520-021-06524-y. Epub 2021 Sep 3. PMID: 34477973.

Oppegaard K, Harris CS, Shin J, Paul SM, Cooper BA, Chan A, Anguera JA, Levine J, Conley Y, Hammer M, Miaskowski CA, Chan RJ, Kober KM. Cancer-related cognitive impairment is associated with perturbations in inflammatory pathways. *Cytokine*. 2021 Dec;148:155653. doi: 10.1016/j.cyto.2021.155653. Epub 2021 Aug 10. PMID: 34388477.

Chan RJ, Cooper B, Gordon L, Hart N, Tan CJ, Koczwara B, Kober KM, Chan A, Conley YP, Paul SM, Miaskowski C. Distinct employment interference profiles in patients with breast cancer prior to and for 12 months following surgery. *BMC Cancer*. 2021 Aug 2;21(1):883. doi: 10.1186/s12885-021-08583-0. PMID: 34340680; PMCID: PMC8327049.

Miaskowski C, Paul SM, Harris CS, Shin J, Oppegaard K, Conley YP, Hammer M, Kober KM, Levine JD. Determination of Cutpoints for Symptom Burden in Oncology Patients Receiving Chemotherapy. *J Pain Symptom Manage*. 2022 Jan;63(1):42-51. doi: 10.1016/j.jpainsymman.2021.07.018. Epub 2021 Jul 29. PMID: 34333099.

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Fu MR, Aouizerat BE, Yu G, Conley Y, Axelrod D, Guth AA, Gagner JP, Qiu JM, Zagzag D. Model-Based Patterns of Lymphedema Symptomatology: Phenotypic and Biomarker Characterization. *Curr Breast Cancer Rep.* 2021 Mar;13(1):1-18. doi: 10.1007/s12609-020-00397-6. Epub 2020 Nov 24. PMID: 34322193; PMCID: PMC8315568.

Jiang Y, Chiu CY, Yan Q, Chen W, Gorin MB, Conley YP, Lakhal-Chaieb ML, Cook RJ, Amos CI, Wilson AF, Bailey-Wilson JE, McMahon FJ, Vazquez AI, Yuan A, Zhong X, Xiong M, Weeks DE, Fan R. Gene-Based Association Testing of Dichotomous Traits With Generalized Functional Linear Mixed Models Using Extended Pedigrees: Applications to Age-Related Macular Degeneration. *J Am Stat Assoc.* 2021;116(534):531-545. doi: 10.1080/01621459.2020.1799809. Epub 2020 Jul 28. PMID: 34321704; PMCID: PMC8315575.

Jha RM, Zusman BE, Puccio AM, Okonkwo DO, Pease M, Desai SM, Leach M, Conley YP, Kochanek PM. Genetic Variants Associated With Intraparenchymal Hemorrhage Progression After Traumatic Brain Injury. *JAMA Netw Open.* 2021 Jul 1;4(7):e2116839. doi: 10.1001/jamanetworkopen.2021.16839. PMID: 34309670; PMCID: PMC8314141.

Shin J, Harris C, Oppegaard K, Kober KM, Paul SM, Cooper BA, Hammer M, Conley Y, Levine JD, Miaskowski C. Worst Pain Severity Profiles of Oncology Patients Are Associated With Significant Stress and Multiple Co-Occurring Symptoms. *J Pain.* 2022 Jan;23(1):74-88. doi: 10.1016/j.jpain.2021.07.001. Epub 2021 Jul 21. PMID: 34298161.

Kober KM, Roy R, Dhruva A, Conley YP, Chan RJ, Cooper B, Olshen A, Miaskowski C. Prediction of evening fatigue severity in outpatients receiving chemotherapy: less may be more. *Fatigue.* 2021;9(1):14-32. doi: 10.1080/21641846.2021.1885119. Epub 2021 Feb 16. PMID: 34249477; PMCID: PMC8262130.

Morse L, Kober KM, Viele C, Cooper BA, Paul SM, Conley YP, Hammer M, Levine JD, Miaskowski C. Subgroups of patients undergoing chemotherapy with distinct cognitive fatigue and evening physical fatigue profiles. *Support Care Cancer.* 2021 Dec;29(12):7985-7998. doi: 10.1007/s00520-021-06410-7. Epub 2021 Jul 4. PMID: 34218321.

Lin Y, Bailey DE Jr, Docherty SL, Porter LS, Cooper BA, Paul SM, Hammer MJ, Conley YP, Levine JD, Miaskowski C. Distinct Sleep Disturbance Profiles in Patients With Gastrointestinal Cancers Receiving Chemotherapy. *Cancer Nurs.* 2022 Mar-Apr 01;45(2):E417-E427. doi: 10.1097/NCC.0000000000000975. PMID: 34183521; PMCID: PMC8712619.

Singh KP, Kober KM, Ernst B, Sachdev J, Brewer M, Zhu Q, Gu H, Melisko M, Paul SM, Cooper BA, Hammer M, Conley YP, Levine JD, Miaskowski C. Multiple Gastrointestinal Symptoms Are Associated With Chemotherapy-Induced Nausea in Patients With Breast Cancer. *Cancer Nurs.* 2021 Jun 28;10.1097/NCC.0000000000000976. doi: 10.1097/NCC.0000000000000976. Epub ahead of print. PMID: 34183520; PMCID:

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Oppegaard K, Harris CS, Shin J, Paul SM, Cooper BA, Levine JD, Conley YP, Hammer M, Cartwright F, Wright F, Dunn L, Kober KM, Miaskowski C. Anxiety profiles are associated with stress, resilience and symptom severity in outpatients receiving chemotherapy. *Support Care Cancer*. 2021 Dec;29(12):7825-7836. doi: 10.1007/s00520-021-06372-w. Epub 2021 Jun 26. PMID: 34176016.

Treble-Barna A, Heinsberg LW, Puccio AM, Shaffer JR, Okonkwo DO, Beers SR, Weeks DE, Conley YP. Acute *Brain-Derived Neurotrophic Factor* DNA Methylation Trajectories in Cerebrospinal Fluid and Associations With Outcomes Following Severe Traumatic Brain Injury in Adults. *Neurorehabil Neural Repair*. 2021 Sep;35(9):790-800. doi: 10.1177/15459683211028245. Epub 2021 Jun 25. PMID: 34167372; PMCID: PMC8546867.

Pozzar RA, Hammer MJ, Cooper BA, Kober KM, Chen LM, Paul SM, Conley YP, Levine JD, Miaskowski C. Symptom Clusters in Patients With Gynecologic Cancer Receiving Chemotherapy. *Oncol Nurs Forum*. 2021 Jul 1;48(4):441-452. doi: 10.1188/21.ONF.441-452. PMID: 34143001.

Lin Y, Bailey DE, Docherty SL, Porter LS, Cooper B, Paul S, Kober K, Hammer MJ, Wright F, Conley Y, Levine J, Miaskowski C. Distinct morning and evening fatigue profiles in gastrointestinal cancer during chemotherapy. *BMJ Support Palliat Care*. 2021 May 28;bmjspcare-2021-002914. doi: 10.1136/bmjspcare-2021-002914. Epub ahead of print. PMID: 34049967; PMCID: PMC8627530.

Lin M, Huang W, Kabbani N, Theiss MM, Hamilton JF, Ecklund JM, Conley YP, Vodovotz Y, Brienza D, Wagner AK, Robbins E, Sowa GA, Lipsky RH. Effect of *CHRFAM7A*  $\Delta$ 2bp gene variant on secondary inflammation after spinal cord injury. *PLoS One*. 2021 May 6;16(5):e0251110. doi: 10.1371/journal.pone.0251110. PMID: 33956875; PMCID: PMC8101719.

Ren D, Lopez OL, Lingler JH, Conley Y. Association Between the *APOE* $\epsilon$ 2/ $\epsilon$ 4 Genotype and Alzheimer's Disease and Mild Cognitive Impairment Among African Americans. *J Alzheimers Dis*. 2021;81(3):943-948. doi: 10.3233/JAD-201613. PMID: 33935088.

Heinsberg LW, Ray M, Conley YP, Roberts JM, Jeyabalan A, Hubel CA, Weeks DE, Schmella MJ. An Exploratory Study of Epigenetic Age in Preeclamptic and Normotensive Pregnancy Reveals Differences by Self-Reported Race but Not Pregnancy Outcome. *Reprod Sci*. 2021 Dec;28(12):3519-3528. doi: 10.1007/s43032-021-00575-6. Epub 2021 Apr 20. PMID: 33877642; PMCID: PMC8526649.

Mastick J, Smoot BJ, Paul SM, Kober KM, Cooper BA, Madden LK, Conley YP, Dixit N, Hammer MJ, Fu MR, Piper M, Cate SP, Shepherd J, Miaskowski C. Assessment of Arm Volume Using a Tape Measure Versus a 3D Optical Scanner in Survivors with Breast Cancer-Related Lymphedema. *Lymphat Res Biol*. 2021 Mar 23. doi:

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10.1089/lrb.2020.0119. Epub ahead of print. PMID: 33761290.

Mastick J, Smoot BJ, Paul SM, Kober KM, Hamolsky D, Madden LK, Conley YP, Dixit N, Hammer MJ, Fu MR, Miaskowski C. A Comparison of Supine Versus Stand-on Bioimpedance Devices to Assess Breast Cancer-Related Lymphedema. *Lymphat Res Biol*. 2021 Dec;19(6):553-561. doi: 10.1089/lrb.2020.0058. Epub 2021 Feb 9. PMID: 33567232; PMCID: PMC8792492.

Kurnat-Thoma E, Fu MR, Henderson WA, Voss JG, Hammer MJ, Williams JK, Calzone K, Conley YP, Starkweather A, Weaver MT, Shiao SPK, Coleman B. Current status and future directions of U.S. genomic nursing health care policy. *Nurs Outlook*. 2021 May-Jun;69(3):471-488. doi: 10.1016/j.outlook.2020.12.006. Epub 2021 Jan 22. PMID: 33487404; PMCID: PMC8282091.

Lin Y, Bailey DE Jr, Docherty SL, Porter LS, Cooper BA, Paul SM, Kober KM, Hammer MJ, Wright F, Dunn LB, Conley YP, Levine JD, Miaskowski C. Distinct profiles of multiple co-occurring symptoms in patients with gastrointestinal cancers receiving chemotherapy. *Support Care Cancer*. 2021 Aug;29(8):4461-4471. doi: 10.1007/s00520-020-05946-4. Epub 2021 Jan 16. PMID: 33454824.

Wagner MA, Wesmiller SW, Maydick M, Gawron LM, Peterson-Burch FM, Conley YP. Symptom Science: Omics and Response to Non-Pharmacological Interventions. *Biol Res Nurs*. 2021 Jul;23(3):394-401. doi: 10.1177/1099800420975205. Epub 2020 Dec 3. PMID: 33267608; PMCID: PMC8755944.

Joseph PV, Nolden A, Kober KM, Paul SM, Cooper BA, Conley YP, Hammer MJ, Wright F, Levine JD, Miaskowski C. Fatigue, Stress, and Functional Status are Associated With Taste Changes in Oncology Patients Receiving Chemotherapy. *J Pain Symptom Manage*. 2021 Aug;62(2):373-382.e2. doi: 10.1016/j.jpainsymman.2020.11.029. Epub 2020 Nov 28. PMID: 33259906; PMCID: PMC8160023.

Rietze AH, Conley YP, Ren D, Anderson CM, Roberts JM, Jeyabalan A, Hubel CA, Schmella MJ. DNA Methylation of Endoglin Pathway Genes in Pregnant Women With and Without Preeclampsia. *Epigenet Insights*. 2020 Oct 9;13:2516865720959682. doi: 10.1177/2516865720959682. PMID: 33103056; PMCID: PMC7550939.

Cheikhi AM, Johnson ZI, Julian DR, Wheeler S, Feghali-Bostwick C, Conley YP, Lyons-Weiler J, Yates CC. Prediction of severity and subtype of fibrosing disease using model informed by inflammation and extracellular matrix gene index. *PLoS One*. 2020 Oct 23;15(10):e0240986. doi: 10.1371/journal.pone.0240986. PMID: 33095822; PMCID: PMC7584227.

Wilcoxon A, Kober KM, Viele C, Topp K, Smoot B, Abrams G, Chesney M, Paul SM, Conley YP, Levine JD, Miaskowski C. Association Between Physical Activity Levels and Chemotherapy-Induced Peripheral Neuropathy Severity in Cancer Survivors. *Oncol Nurs*

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Forum. 2020 Nov 1;47(6):703-719. doi: 10.1188/20.ONF.703-719. PMID: 33063789.

Diaz R, Kober KM, Viele C, Cooper BA, Paul SM, Hammer M, Wright F, Conley YP, Levine JD, Miaskowski C. Distinct diarrhea profiles during outpatient chemotherapy. *Support Care Cancer*. 2021 May;29(5):2363-2373. doi: 10.1007/s00520-020-05753-x. Epub 2020 Sep 12. PMID: 32918132.

Chan R, Cooper B, Paul S, Conley Y, Kober K, Koczwara B, Chan A, Tan CJ, Gordon L, Thomy L, Levine J, Miaskowski C. Distinct financial distress profiles in patients with breast cancer prior to and for 12 months following surgery. *BMJ Support Palliat Care*. 2020 Sep 10;bmjspcare-2020-002461. doi: 10.1136/bmjspcare-2020-002461. Epub ahead of print. PMID: 32913003.

Moy S, Kober KM, Viele C, Paul SM, Hammer M, Melisko M, Wright F, Conley YP, Levine JD, Miaskowski C. Level of Exercise Influences the Severity of Fatigue, Energy Levels, and Sleep Disturbance in Oncology Outpatients Receiving Chemotherapy. *Cancer Nurs*. 2022 Jan-Feb 01;45(1):3-11. doi: 10.1097/NCC.0000000000000875. PMID: 32897907.

Utne I, Cooper BA, Ritchie C, Wong M, Dunn LB, Loyland B, Grov EK, Hammer MJ, Paul SM, Levine JD, Conley YP, Kober KM, Miaskowski C. Co-occurrence of decrements in physical and cognitive function is common in older oncology patients receiving chemotherapy. *Eur J Oncol Nurs*. 2020 Oct;48:101823. doi: 10.1016/j.ejon.2020.101823. Epub 2020 Aug 3. PMID: 32835999; PMCID: PMC7584738.

Oppegaard KR, Dunn LB, Kober KM, Mackin L, Hammer MJ, Conley YP, Levine J, Miaskowski C. Gender Differences in the Use of Engagement and Disengagement Coping Strategies in Patients With Cancer Receiving Chemotherapy. *Oncol Nurs Forum*. 2020 Sep 1;47(5):586-594. doi: 10.1188/20.ONF.586-594. PMID: 32830804.

Singh K, Cao H, Miaskowski C, Conley YP, Hammer M, Wright F, Levine JD, Kober KM. Perturbations in Endocytotic and Apoptotic Pathways Are Associated With Chemotherapy-Induced Nausea. *Biol Res Nurs*. 2021 Apr;23(2):238-247. doi: 10.1177/1099800420951271. Epub 2020 Aug 20. PMID: 32815385; PMCID: PMC8822189.

Jakovljevic K, Kober KM, Block A, Cooper BA, Paul SM, Hammer MJ, Cartwright F, Conley YP, Wright F, Dunn LB, Levine JD, Miaskowski C. Higher Levels of Stress Are Associated With a Significant Symptom Burden in Oncology Outpatients Receiving Chemotherapy. *J Pain Symptom Manage*. 2021 Jan;61(1):24-31.e4. doi: 10.1016/j.jpainsymman.2020.07.019. Epub 2020 Jul 25. PMID: 32721501; PMCID: PMC7770050.

Arockiaraj AI, Liu D, Shaffer JR, Koleck TA, Crago EA, Weeks DE, Conley YP. Methylation Data Processing Protocol and Comparison of Blood and Cerebral Spinal Fluid Following Aneurysmal Subarachnoid Hemorrhage. *Front Genet*. 2020 Jun

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26;11:671. doi: 10.3389/fgene.2020.00671. PMID: 32670358; PMCID: PMC7332758.

Treble-Barna A, Patronick J, Uchani S, Marousis NC, Zigler CK, Fink EL, Kochanek PM, Conley YP, Yeates KO. Epigenetic Effects on Pediatric Traumatic Brain Injury Recovery (EETR): An Observational, Prospective, Longitudinal Concurrent Cohort Study Protocol. *Front Neurol.* 2020 Jun 12;11:460. doi: 10.3389/fneur.2020.00460. PMID: 32595586; PMCID: PMC7303323.

Kober KM, Lee MC, Olshen A, Conley YP, Sirota M, Keiser M, Hammer MJ, Abrams G, Schumacher M, Levine JD, Miaskowski C. Differential methylation and expression of genes in the hypoxia-inducible factor 1 signaling pathway are associated with paclitaxel-induced peripheral neuropathy in breast cancer survivors and with preclinical models of chemotherapy-induced neuropathic pain. *Mol Pain.* 2020 Jan-Dec;16:1744806920936502. doi: 10.1177/1744806920936502. PMID: 32586194; PMCID: PMC7322824.

Schaaf S, Huang W, Perera S, Conley Y, Belfer I, Jayabalan P, Tremont K, Coelho P, Ernst S, Cortazzo M, Weiner D, Vo N, Kang J, Sowa G. Association of Protein and Genetic Biomarkers With Response to Lumbar Epidural Steroid Injections in Subjects With Axial Low Back Pain. *Am J Phys Med Rehabil.* 2021 Jan 1;100(1):48-56. doi: 10.1097/PHM.0000000000001514. PMID: 32576742; PMCID: PMC8128510.

Deng H, Zusman BE, Nwachuku EL, Yue JK, Chang YF, Conley YP, Okonkwo DO, Puccio AM. B-Cell Lymphoma 2 (Bcl-2) Gene Is Associated with Intracranial Hypertension after Severe Traumatic Brain Injury. *J Neurotrauma.* 2021 Jan 15;38(2):291-299. doi: 10.1089/neu.2020.7028. Epub 2020 Aug 10. PMID: 32515262; PMCID: PMC8182479.

Wagner MA, Erickson KI, Bender CM, Conley YP. The Influence of Physical Activity and Epigenomics On Cognitive Function and Brain Health in Breast Cancer. *Front Aging Neurosci.* 2020 May 8;12:123. doi: 10.3389/fnagi.2020.00123. PMID: 32457596; PMCID: PMC7225270.

Kumar RG, DiSanto D, Awan N, Vaughan LE, Levochkina MS, Weppner JL, Wright DW, Berga SL, Conley YP, Brooks MM, Wagner AK. Temporal Acute Serum Estradiol and Tumor Necrosis Factor- $\alpha$  Associations and Risk of Death after Severe Traumatic Brain Injury. *J Neurotrauma.* 2020 Oct 15;37(20):2198-2210. doi: 10.1089/neu.2019.6577. Epub 2020 Jun 24. PMID: 32375598; PMCID: PMC7580589.

Heinsberg LW, Alexander SA, Crago EA, Minster RL, Poloyac SM, Weeks DE, Conley YP. Genetic Variability in the Iron Homeostasis Pathway and Patient Outcomes After Aneurysmal Subarachnoid Hemorrhage. *Neurocrit Care.* 2020 Dec;33(3):749-758. doi: 10.1007/s12028-020-00961-z. PMID: 32246437; PMCID: PMC7541432.

Mellett K, Ren D, Alexander S, Osier N, Beers SR, Okonkwo DO, Puccio AM, Conley YP. Genetic Variation in the *TP53* Gene and Patient Outcomes Following Severe Traumatic

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## **Books and Book Chapters**

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Bernardo LM, Thomas DO, Conley YP (2003) Chapter 3: The Future of Pediatric Emergency Nursing, In *Core Curriculum for Pediatric Emergency Nursing*, Jones and Bartlett Publishers, Sudbury, MA, ISBN: 0-7637-0176-9

Conley YP (2006) Chapter 4: Genetics and Health Applications, In *Lippincott Manual of Nursing Practice*, Eighth Edition, Lippincott Williams and Wilkins, New York, NY ISBN: 1-58255-342-4

Conley YP (2006) Part 1 Central Concepts: Genetics, In *Atlas of Pathophysiology*, Second Edition, Lippincott Williams and Wilkins, New York, NY ISBN: 1-58255-364-5

Conley YP (2007) Chapter 12: Genetic Disorders, In *Portable Pathophysiology*, Lippincott Williams and Wilkins, New York, NY ISBN: 1-58255-455

Conley YP (2009) Chapter 2: Genetics, In *Anatomy and Physiology Made Incredibly Easy!* 3<sup>rd</sup> Edition, Lippincott Williams and Wilkins, New York, NY ISBN: 0-7817-8886-2

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Conley YP (2009) Biological Research in Nursing Special Issue on Genetics and Genomics in Nursing Research. Volume 11 Issue 1. **Volume Editor** ISBN 1099-8004

Conley YP (2010) Chapter 15: Research: Making a Difference in Practice, In Calzone KA, Masny A, Jenkins J (Eds.) *Genetics and Genomics in Oncology Nursing Practice*, Oncology Nursing Society, Pittsburgh, PA, ISBN: 978-1-890504-91-5

Conley YP (2015) Annual Review of Nursing Research: Traumatic Brain Injury Volume 33. Springer Publishing Company, New York, NY **Volume Editor**. ISBN 978-0-8261-7162-7

Conley YP (2016) Chapter 21: Genomic, Transcriptomic, Epigenomic, and Proteomic Approaches, In Henly SJ (Ed) *Routledge International Handbook of Advanced Quantitative Methods in Nursing Research*, Routledge, New York, NY ISBN: 978-0-415-52180-2

Conley YP (2020) Chapter 2: Introduction to Omics Approaches in Symptom Science, In Dorsey S and Starkweather A (Ed) *Genomics of Pain and Co-Morbid Symptoms*, Springer Publishing Company, New York, NY in press

### **Other Publications**

Conley YP (2011) Module 1: Cancer Genomics; Module 3: Cancer Biology; Module 9: Web Based Resources, In *Oncology Nursing Society Cancer Genetics Webcourse*, Oncology Nursing Society, Pittsburgh, PA

### **PATENTS**

Gorin MB, Jakobsdottir J, Conley YP, Weeks DE, Mah-Fraser TS, Ferrell RE; Susceptibility Genes for Age-Related Maculopathy (ARM) on Chromosome 10q26. **US 7,695,909** Issued on 2010 Apr 13 and **US 8,053,190** issued on 2011 Nov 8

Taura L. Barr, Maria Del Mar Matarin, Steven Jay Warach, Andrew Barry Singleton, Yvette P. Conley; Biomarkers for acute ischemic stroke. **US 9,200,322** issued on 2015 Dec 1

## RESEARCH FUNDING

**CURRENT:**

<b>Funding Agency:</b>	NIH/NCI
Grant Number:	R01CA221882
Title of Grant:	Epigenomics of Neurocognitive Function in Breast Cancer
Principal Investigator:	Conley
Conley Role on Grant:	PI
Years Inclusive:	6/2018 – 5/2023
Total Direct Costs:	\$2,085,489
<b>Funding Agency:</b>	NIH/NINR
Grant Number:	T32NR009759
Title of Grant:	Targeted Research and Academic Training for Nurses in Genomics
Principal Investigator:	Conley, Yvette
Conley Role on Grant:	PI/Director
Years Inclusive:	7/2006 - 6/2026
<b>Funding Agency:</b>	NIH/NIAAA
Grant Number:	R01AA025936
Title of Grant:	Predicting alcohol use & alcohol use disorder symptoms from subjective responses to alcohol in a laboratory social setting
Principal Investigator:	Creswell, Kasey
Conley Role on Grant:	Co-Investigator
Years Inclusive:	09/2017 – 05/2022
Total Amount Awarded	\$35,200
<b>Funding Agency:</b>	NIH/NINR
Grant Number:	R01NR01669
Title of Grant:	Genomic Underpinnings for Breast Cancer Treatment Induced Nausea and Vomiting
Principal Investigator:	Wesmiller, Susan
Conley Role on Grant:	Co-Investigator
Years Inclusive:	01/2018 – 6/2022
Total Amount Awarded:	\$29,946 (sub only)
<b>Funding Agency:</b>	NIH/NINR
Grant Number:	R01NR017407
Title of Grant:	A Multivariate Predictive Model for Long-Term Disability Post Subarachnoid Hemorrhage
Principal Investigator:	Stanfill, Ansley
Conley Role on Grant:	Co-Investigator
Years Inclusive:	07/2018 – 07-2022
Total Amount Awarded:	\$55,770 (sub only)

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<b>Funding Agency:</b>	NIH/NINR
Grant Number:	R01NR018160
Title of Grant:	Sex steroids and IGF1 in the CNS following aSAH and their relationship to patient outcomes
Principal Investigator:	Crago, Elizabeth
Conley Role on Grant:	Co-Investigator
Years Inclusive:	09/2018 – 07-2022
Total Amount Awarded:	\$33,462 (sub only)

<b>Funding Agency:</b>	NIH/NINDS
Grant Number:	K23NS101036
Title of Grant:	Translational assessment of sulfonylurea receptor-1 as a biomarker and therapeutic target for cerebral edema in traumatic brain injury
Principal Investigator:	Jah, Ruchira
Conley Role on Grant:	Co-Sponsor
Years Inclusive:	06/2017 – 05/2022

<b>Funding Agency:</b>	NIH/NICHD
Grant Number:	K01HD097030
Title of Grant:	Epigenetic Influences on Neurobehavioral Recovery following Pediatric Traumatic Brain Injury
Principal Investigator:	Treble-Barna, Amery
Conley Role on Grant:	Sponsor
Years Inclusive:	09/2019 – 8/2024

<b>Funding Agency:</b>	NIH/NINR
Grant Number:	K99NR019080
Title of Grant:	Omics of Pain in the Context of Declining Estrogen
Principal Investigator:	Wagner, Monica
Conley Role on Grant:	Sponsor
Years Inclusive:	07/2020-06/2022

<b>Funding Agency:</b>	NIH/NIA
Grant Number:	R21AG059167
Title of Grant:	Epigenetic Changes and Delirium after Intensive Care Unit Admission
Principal Investigator:	Alexander, Sheila
Conley Role on Grant:	Co-Investigator
Years Inclusive:	09/2019 – 06-2022
Total Amount Awarded:	\$64,204 (sub only)

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**COMPLETED:**

**Funding Agency:** NIH/NCI  
**Grant Number:** F99CA234782  
**Title of Grant:** Musculoskeletal pain among breast cancer survivors: through bio-behavioral and imaging lenses  
**Principal Investigator:** Zhu, Yehui  
**Conley Role on Grant:** Co-Sponsor  
**Years Inclusive:** 09/2018 – 08-2020

**Funding Agency:** NIH/NCI  
**Grant Number:** R01CA187160  
**Title of Grant:** Biomarker and Phenotypic Risk Factors for Breast Cancer Lymphedema  
**Principal Investigator:** Miaskowski, Christine  
**Conley Role on Grant:** Co-Investigator  
**Years Inclusive:** 7/2015 – 6/2020

**Funding Agency:** NIH/NINR  
**Grant Number:** F31NR017311  
**Title of Grant:** Multi-omics of the iron homeostasis pathway in patient outcomes following aSAH  
**Principal Investigator:** Heinsberg, Lacey  
**Conley Role on Grant:** Sponsor  
**Years Inclusive:** 9/2017 - 8/2020

**Funding Agency:** NIH/NIAMS  
**Grant Number:** R01AR068317  
**Title of Grant:** GENOMICS OF VARIABILITY IN PROGRESSION AND SEVERITY OF SKIN FIBROSIS  
**Principal Investigator:** Yates, Cecelia  
**Conley Role on Grant:** Co-Investigator  
**Years Inclusive:** 5/2016 – 4/2020

**Funding Agency:** NIH/NINR  
**Grant Number:** R01NR013610  
**Title of Grant:** Epigenomics of Patient Outcomes after Aneurysmal SAH  
**Principal Investigator:** Conley  
**Conley Role on Grant:** PI  
**Years Inclusive:** 9/2012 - 10/2018  
**Percent Effort:** 20.0 %  
**Total Direct Costs:** \$2,749,754

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**Funding Agency:** NIH/NINR  
Grant Number: R21NR015142  
Title of Grant: Epigenomics of Patient Outcomes after Traumatic Brain Injury  
Principal Investigator: Conley, Yvette  
Conley Role on Grant: PI  
Percent Effort: 10.0 %

**Funding Agency:** NIH/NINR  
Grant Number: K99NR013176  
Title of Grant: Transcriptomics in Traumatic Brain Injury: Relationship to Brain Oxygenation  
Principal Investigator: Puccio  
Conley Role on Grant: Primary Mentor for K99, Co-investigator for R00

**Funding Agency:** National Institute on Disability and Rehabilitation Research  
Grant Number: H133A120087  
Title of Grant: Disability and Rehabilitation Research Projects and Centers Program TBIMSC  
Principal Investigator: Wagner  
Conley Role on Grant: Co-Investigator  
Years Inclusive: 10/2012 - 9/2017  
Percent Effort: 10.0 %

**Funding Agency:** NIH/NINR  
Grant Number: R01NR013342  
Title of Grant: Genomic Variability and Symptomatology After Traumatic Brain Injury  
Principal Investigator: Conley, Yvette  
Conley Role on Grant: PI  
Total Amount Awarded: \$1,243,250  
NIH/NINR

**Funding Agency:**  
Grant Number: R01NR008424  
Title of Grant: Mitochondrial Genetics of Recovery after Brain Injury  
Principal Investigator: Conley, Yvette  
Conley Role on Grant: PI  
Total Amount Awarded: \$1,017,000

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**Funding Agency:** NIH/NINR  
Grant Number: 5R01NR004801-05  
Title of Grant: THE EFFECT OF APOE ON OUTCOMES IN TBI ADULTS  
Principal Investigator: CONLEY, YVETTE P.  
Conley Role on Grant: PI  
Total Amount Awarded: \$447,488

**Funding Agency:** NIH/NIA  
Grant Number: 1R21AG024177-01A1  
Title of Grant: The Genetic Basis of a Disease Free Model of Aging  
Principal Investigator: CONLEY, YVETTE P.  
Conley Role on Grant: PI  
Total Amount Awarded: \$334,125

**Funding Agency:** NIH/NINR  
Grant Number: R01NR004339  
Title of Grant: Determining Genetic and Biomarker Predictors of DCI and Longterm Outcomes after SAH  
Principal Investigator: Sherwood, Paula and Poloyak, Samuel  
Conley Role on Grant: Co-Investigator  
Percent Effort: 5.0%

**Funding Agency:** NIH/NINR  
Grant Number: R21NR012288  
Title of Grant: Proinflammatory Biomarkers and Post-Breast Cancer Lymphedema  
Principal Investigator: Mei Fu  
Conley Role on Grant: Co-Investigator  
Percent Effort: 5.0 %

**Funding Agency:** Alzheimer's Association  
Grant Number: NIRG-01-2564  
Title of Grant: The Calcium-Sensing Receptor and Alzheimer's Disease  
Principal Investigator: CONLEY, YVETTE P.  
Conley Role on Grant: PI  
Total Amount Awarded: \$100,000

**Funding Agency:** Central Medical Research Fund, University of Pittsburgh  
Grant Number: PUH0010382  
Title of Grant: Mitochondrial Variation and Heteroplasmy in Functional Outcome Following Neurotrauma

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Principal Investigator: CONLEY, YVETTE P.  
Conley Role on Grant: PI  
Total Amount Awarded: \$25,000

**Funding Agency:** NIH/NINR  
Grant Number: F31NR008970  
Title of Grant: Genetic Basis of Diabetic Retinopathy  
Principal Investigator: Charles, Bashira  
Conley Role on Grant: Sponsor

**Funding Agency:** NIH/NEI  
Grant Number: R01EY09859  
Title of Grant: Genetics of Age-Related Maculopathy  
Principal Investigator: Gorin, Michael B  
Conley Role on Grant: Co-Investigator  
Total Amount Awarded: \$224,053 annual subcontract

**Funding Agency:** Oncology Nursing Society Foundation  
Title of Grant: IMPROVING CLINICAL PRACTICE TO EMPOWER  
BREAST CANCER PATIENTS: REDUCING THE RISK OF  
LYMPHEDEMA  
Principal Investigator: Fu, Mei  
Conley Role on Grant: Co-Investigator

**Funding Agency:** NIH/NINR  
Grant Number: F31NR012602  
Title of Grant: GENOMICS OF THE VEGF PATHWAY IN NEONATAL  
RESPIRATORY DISTRESS SYNDROME  
Principal Investigator: Snyder, Chantel  
Conley Role on Grant: Sponsor

**Funding Agency:** Department of Defense  
Grant Number: W81XWH-07-0701  
Title of Grant: Biomarkers Evaluating and Treating Acute and Chronic TBI  
Principal Investigator: Wagner, Amy  
Conley Role on Grant: Co-Investigator  
Total Amount Awarded: \$100,863

**Funding Agency:** NIH/NINR  
Grant Number: F31NR011379

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Title of Grant: Genomics of the Endoglin Pathway in Preeclampsia  
Principal Investigator: Bell, Mandy J  
Conley Role on Grant: Sponsor

**Funding Agency:** NIH/NINDS  
Grant Number: P01NS030318  
Title of Grant: Emerging Therapeutics for Traumatic Brain Injury (TBI)-Acute  
Chronic Changes  
Principal Investigator: Dixon, C. Edward  
Conley Role on Grant: Co-Investigator  
Total Amount Awarded: \$58,251

**Funding Agency:** NIH/NICHD  
Grant Number: R01HD048162  
Title of Grant: Dopamine Genetic Variants Modulating Recovery after TBI  
Principal Investigator: Wagner, Amy  
Conley Role on Grant: Co-Investigator  
Total Amount Awarded: \$67,142

**Funding Agency:** Oncology Nursing Society Foundation  
Title of Grant: Genomics of Cognitive Function in Breast Cancer  
Conley Role on Grant: PI  
Total Amount Awarded: \$50,000

**Funding Agency:** NIH/NINR  
Grant Number: F31NR014590  
Title of Grant: Cognitive Function and Breast Cancer: Genomics and  
Disease Characteristics  
Principal Investigator: Koleck, Theresa  
Conley Role on Grant: Sponsor

**Funding Agency:** Jewish Healthcare Foundation  
Title of Grant: The JHF Data Science Fellowship: An Inter-professional  
Training Program in Big Data, Healthcare Analytics, and  
Personalized Medicine  
Principal Investigator: Jacobson, Rebecca  
Conley Role on Grant: Co-Investigator

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## PRESENTATIONS

**Invited Presentations are denoted with “\*\*”**

### International

- November 2021    \*\*International Society of Nurses in Genetics  
Workshop titled: Leveraging National Databases to Accelerate your Research  
Remote Congress; originally to be held in Raleigh NC
- November 2021    \*\*International Society of Nurses in Genetics  
Presentation titled: Bridging Omics to Society  
Remote Congress; originally to be held in Raleigh NC
- November 2020    \*\*International Society of Nurses in Genetics  
Presentation titled: What would Flo do in the Era of Symptomics?  
Remote Congress; originally to be held in Raleigh NC
- November 2020    \*\*International Society of Nurses in Genetics  
Presentation titled: OMICS Nursing Science and Education Network (ONSEN)  
Remote Congress; originally to be held in Raleigh NC
- November 2019    International Society of Nurses in Genetics  
Presentation titled: Using Omics to Understand Patient Outcomes after Neurological Injury  
San Antonio, TX
- May 2019        International Society of Nurses in Genetics  
Presentation titled: Genomics and Precision Health Care: Help I Can't Keep Up!  
Pittsburgh, PA
- October 2018    International Society of Nurses in Genetics  
Presentation titled: Trajectory Patterns of *HAMP* DNA Methylation and Patient Outcomes Following Aneurysmal Subarachnoid Hemorrhage  
Orlando, FL
- August/September 2016    \*\*Invited Faculty  
Swiss PhD Platform in Nursing Science Education (SPINE)  
Developed and delivered week-long workshop titled “Genomics and Science of Symptom Management”  
Basel, Switzerland
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- November 2015      \*\*Invited Speaker  
International Society of Nurses in Genetics  
Presentation titled: Omics of Patient Outcomes After Neurological Insult  
Pittsburgh, PA
- November 2014      \*\*Invited Speaker  
International Society of Nurses in Genetics  
Presentation titled: State of the Science in Omics Technologies  
Phoenix, AZ
- February 2014      \*\*Invited Speaker  
Association of Academic Physiatrists Annual Research Conference  
Presentation titled: "Genomics/Genetics Principles for Biomarker Research"  
Nashville, TN
- February 2011      \*\*Invited Keynote Speaker  
Oncology Nursing Society Research Conference  
Presentation titled "Genomic Approaches in Oncology Research"  
Los Angeles, CA
- October 2009      \*\*Invited Keynote Speaker  
Council for the Advancement of Nursing Science, State of the Science Conference  
Presentation titled "Practical Considerations in Genomic Research"  
Washington, DC
- October 2006      \*\*International Society of Nurses in Genetics (ISONG)  
Invited Presentation titled "Genome Wide Association Studies"  
New Orleans, LA
- October 2005      \*\*International Society of Nurses in Genetics (ISONG)  
Pre-conference Workshop: "Genetic Epidemiology Research Strategies"  
Role in workshop: Developed and presented 2 lectures titled: Family Studies and Genetic Linkage, Case-Control Studies and Disease Association  
Salt Lake City, UT
- May 2005      Association for Research in Vision and Ophthalmology  
Slide Presentation titled "Association of the ELOVL4 gene with age-related maculopathy"  
Fort Lauderdale, Florida
- October 2004      \*\*International Society of Nurses in Genetics (ISONG)
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Invited Plenary Speech titled “Harnessing Novel Genetic Technologies for Research and Clinical Applications”  
Toronto, Ontario, Canada

July 2004 9<sup>th</sup> International Conference on Alzheimer’s Disease and Related Disorders  
Poster presentation titled “The Calcium Sensing Receptor in Alzheimer Disease Susceptibility”  
Philadelphia, PA

### **National**

October 2021 \*\*Omics and Symptom Science  
Goldbag Research Seminar  
Case Western Reserve University School of Nursing

March 2021 \*\*Symptom Management and Health-related Quality of Life Steering Committee Clinical Trials Planning Meeting on Cancer Related Cognitive Impairment  
Presentation titled: Mechanistic Underpinnings of CRCI: Genomics / Epigenomics of Neurocognitive Function in Breast Cancer  
Remote meeting originally to be held in Rockville, MD

June 2020 \*\*National Institute of Nursing Research Summer Genetics Institute 20<sup>th</sup> Anniversary Symposium  
Presentation titled: Using Omics to Understand Patient Outcomes after Neurological Injury  
Remote Symposium originally to be held in Bethesda, MD

July 2019 \*\*National Neurotrauma Society  
Presentation titled: Genetic Modulators of TBI Outcome  
Pittsburgh, PA

January 2019 \*\*Visiting Scholar  
Michigan State University  
Presented lectures titled “Using Omics to Understand Patient Outcomes after Neurological Injury” and “Incorporating Omics into your Research Trajectory”  
East Lansing, MI

June 2019 \*\*National Institutes of Health/National Institute of Nursing Research Summer Genetics Institute  
Presented lectures titled “Research Methodologies: Linkage and Association Studies”, “Research Methodologies: Expression and

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Epigenetic Studies”, “Research Methodologies: Subject Recruitment and Consenting”, “Research Methodologies: Genomic Databases” and “Research Methodologies: Gene Environment Studies”, Bethesda, MD

- June 2018      \*\*National Institutes of Health/National Institute of Nursing Research Summer Genetics Institute  
Presented lectures titled “Research Methodologies: Linkage and Association Studies”, “Research Methodologies: Expression and Epigenetic Studies”, “Research Methodologies: Subject Recruitment and Consenting”, “Research Methodologies: Genomic Databases” and “Research Methodologies: Gene Environment Studies”, Bethesda, MD
- June 2017      \*\*National Institutes of Health/National Institute of Nursing Research Summer Genetics Institute  
Presented lectures titled “Research Methodologies: Linkage and Association Studies”, “Research Methodologies: Expression and Epigenetic Studies”, “Research Methodologies: Subject Recruitment and Consenting”, “Research Methodologies: Genomic Databases” and “Research Methodologies: Gene Environment Studies”, Bethesda, MD
- September 2016      \*\*Scientific Moderator  
National Institute of Nursing Research 30<sup>th</sup> Anniversary Symposium  
“Advancing Science, Improving Lives: A Window to the Future”  
Washington DC
- June 2016      \*\*National Institutes of Health/National Institute of Nursing Research Summer Genetics Institute  
Presented lectures titled “Research Methodologies: Linkage and Association Studies”, “Research Methodologies: Expression and Epigenetic Studies”, “Research Methodologies: Subject Recruitment and Consenting”, “Research Methodologies: Genomic Databases” and “Research Methodologies: Gene Environment Studies”, Bethesda, MD
- January 2016      \*\*American Association of Colleges of Nursing  
Presentation titled: Integrating Omics Content in PhD Programs  
Naples, FL
- June 2015      \*\*National Institutes of Health/National Institute of Nursing Research Summer Genetics Institute  
Presented lectures titled “Research Methodologies: Linkage and Association Studies”, “Research Methodologies: Expression and
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Epigenetic Studies”, “Research Methodologies: Subject Recruitment and Consenting”, “Research Methodologies: Genomic Databases” and “Research Methodologies: Gene Environment Studies”, Bethesda, MD

- October 2014 American Society of Human Genetics  
Poster presentation titled: Novel Locus in 15q23 Implicated in Recovery after Severe Traumatic Brain Injury  
San Diego, CA
- June 2014 \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented six lectures titled “Research Methodologies: Linkage Studies”, “Research Methodologies: Association Studies”, “Research Methodologies: Expression and Epigenetic Studies”, “Research Methodologies: Subject Recruitment and Consenting”, “Research Methodologies: Genomic Databases” and “Research Methodologies: Gene Environment Studies”, Bethesda, MD
- April 2014 2014 NIH WALs Symposium-Transformational Medicine in the Mitochondrial Age  
Presentation titled: “The mitochondrial genome and outcomes after traumatic brain injury”  
Bethesda, MD
- March 2014 \*\*Invited Colloquium Speaker  
University of Pennsylvania  
Presentation titled: “Genomics of Patient Outcomes after Neurological Insult”  
Philadelphia, PA
- August 2013 \*\*Invited Presenter  
NINR Genomic Nursing Science Blueprint Workshop  
Presentation titled: “Basic/Clinical Genomics-Based Nursing Research: State of the Science, Challenges, and Opportunities”  
Bethesda, MD
- June 2013 \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented six lectures titled “Research Methodologies: Linkage Studies”, “Research Methodologies: Association Studies”, “Research Methodologies: Expression and Epigenetic Studies”, “Research Methodologies: Subject Recruitment and Consenting”, “Research Methodologies: Genomic Databases” and “Research Methodologies: Gene Environment Studies”, Bethesda, MD
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- April 2013      \*\*Visiting Scholar  
University of Pennsylvania  
Presentation titled: "The Application of Genetic and Genomic Research to Nursing Science"
- March 2013      \*\*Visiting Scholar  
Magnet Hospital Nursing Practice Champions  
National Human Genome Research Institute/American Nurses Association/West Virginia University  
Presentation titled: "Genomic Technologies"
- March 2013      \*\*Invited Webinar Speaker  
National Human Genome Research Institute  
Presentation titled: "Current and Emerging Technology Approaches in Genomics"
- November 2012      American Society of Human Genetics  
Poster Presentation titled: "Mitochondrial Haplogroups and Age-Related Maculopathy"  
San Francisco, CA
- June 2012      \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented six lectures titled "Research Methodologies: Linkage Studies", "Research Methodologies: Association Studies", "Research Methodologies: Expression and Epigenetic Studies", "Research Methodologies: Subject Recruitment and Consenting", "Research Methodologies: Genomic Databases" and "Research Methodologies: Gene Environment Studies", Bethesda, MD
- April 2012      \*\*Beatrice Renfield Visiting Scholar  
Yale University  
Presentation titled "The Application of Genetic and Genomic Research for Nursing"  
New Haven, CT
- February 2012      \*\*Invited Seminar Speaker  
University of Maryland Nursing Research Colloquium  
Presentation titled "Applying Genetic and Genomic Research to Patient Outcomes after Injury"  
Baltimore, MD
- June 2011      \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented six lectures titled "Research Methodologies: Linkage Studies", "Research Methodologies: Association Studies",
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“Research Methodologies: Expression and Epigenetic Studies”,  
“Research Methodologies: Subject Recruitment and Consenting”,  
“Research Methodologies: Genomic Databases” and “Research  
Methodologies: Gene Environment Studies”, Bethesda, MD

June 2010      \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented six lectures titled “Research Methodologies: Linkage  
Studies”, “Research Methodologies: Association Studies”,  
“Research Methodologies: Expression and Epigenetic Studies”,  
“Research Methodologies: Subject Recruitment and Consenting”,  
“Research Methodologies: Genomic Databases” and “Research  
Methodologies: Gene Environment Studies”, Bethesda, MD

June 2010      \*\*Invited Seminar Speaker  
Virginia Commonwealth University Center for Excellence for  
Biobehavioral Approaches to Symptom Management Seminar  
Series  
Presentation titled “Integrating Molecular Genetics for the  
Advancement of Nursing Science”  
Richmond, VA

October 2010    American Society of Human Genetics Conference  
Poster presentation titled “Mitochondrial Polymorphisms Impact  
Mitochondrial Function and Outcomes Attained after Severe  
Traumatic Brain Injury”  
Washington, DC

October 2010    \*\*Mary Martha and Ed Stinnett Visiting Scholar Invited Lectureship  
University of Texas  
Presentation titled “Genomics of Recovery from Acquired Brain  
Injury”  
Houston, TX

November 2010    \*\*Invited Seminar Speaker  
Ohio State University Nursing Research Colloquium  
Presentation titled “Integrating Molecular Genetics for the  
Advancement of Nursing Science”  
Columbus, OH

March 2011      \*\*Invited Seminar Speaker  
Wayne State University Faculty Genetics and Genomics Series  
Presentation titled “Practical Considerations in Genomic Research”  
Detroit, MI

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- June/July 2009      \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented five lectures titled “Research Methodologies: Linkage  
Studies”, “Research Methodologies: Association Studies”,  
“Research Methodologies: Expression Studies”, “Research  
Methodologies: Subject Recruitment and Consenting” and  
“Research Methodologies: Gene Environment Studies”, Bethesda,  
MD
- September 2009      \*\*Invited Lecture and named “Faculty Champion”  
National Institutes of Health/National Human Genome Research  
Institute  
Presentation titled “Models of Curriculum Integration:  
Interdisciplinary Model”  
Bethesda, MD
- November 2008      American Society of Human Genetics Conference  
Poster presentation titled “Mitochondrial Genetics of Outcomes  
Attained after Traumatic Brain Injury”, Philadelphia, PA
- November 2008      \*\*American Society of Human Genetics  
Pre-conference Workshop: “Online Databases and Resources for  
Genetic Research and Education”  
Role in workshop: Developed and presented lecture, Philadelphia,  
PA
- June/July 2008      \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented five lectures titled “Research Methodologies: Linkage  
Studies”, “Research Methodologies: Association Studies”,  
“Research Methodologies: Expression Studies”, “Research  
Methodologies: Subject Recruitment and Consenting” and  
“Research Methodologies: Gene Environment Studies”, Bethesda,  
MD
- March 2008      \*\*University of North Carolina, Sigma Theta Tau International Honor  
Society Research Conference  
Invited Keynote Speaker titled “Future of Genomic Nursing  
Research” Wilmington, NC
- October 2007      American Society of Human Genetics Conference  
Poster presentation titled “Influence of Gender on mDNA quantity in  
Traumatic Brain Injury”, San Diego, CA
- June 2007      \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute
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Presented five lectures titled “Research Methodologies: Linkage Studies”, “Research Methodologies: Association Studies”, “Research Methodologies: Expression Studies”, “Research Methodologies: Subject Recruitment and Consenting” and “Research Methodologies: Gene Environment Studies”, Bethesda, MD

- October 2006 American Society of Human Genetics Conference  
Poster presentation titled “CFH and LOC387715 genes and susceptibility to Age-Related Maculopathy: AREDS cohort and a meta-analysis”,  
New Orleans, LA
- June 2006 \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented five lectures titled “Research Methodologies: Linkage Studies”, “Research Methodologies: Association Studies”, “Research Methodologies: Expression Studies”, “Research Methodologies: Subject Recruitment and Consenting” and “Research Methodologies: Gene Environment Studies”  
Bethesda, MD
- February 2006 \*\*University of Arizona  
Invited Lecture titled “Mitochondrial Genetics of Recovery after Brain Injury”  
Tucson, AZ
- October 2005 American Society of Human Genetics Conference  
Poster presentation titled “No evidence of interaction between chromosomes 1q31 and 10q26 in age-related maculopathy (ARM)”  
Salt Lake City, UT
- June 2005 \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented five lectures titled “Research Methodologies: Linkage Studies”, “Research Methodologies: Association Studies”, “Research Methodologies: Expression Studies”, “Research Methodologies: Subject Recruitment and Consenting” and “Research Methodologies: Gene Environment Studies”  
Bethesda, MD
- October 2004 American Society of Human Genetics Conference  
Poster presentation titled “Positional Candidate Gene Evaluation for Age-Related Maculopathy”  
Toronto, Ontario, Canada
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- June 2004      \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented three lectures titled “Research Methodologies: Linkage Studies”, “Research Methodologies: Association Studies”, and “Research Methodologies: Expression Studies”  
Bethesda, MD
- May 2004      \*\*American Thoracic Society Conference  
Presented invited lecture titled: “How Genetics has Altered Management of Patients with Cystic Fibrosis”  
Orlando, FL
- November 2003      American Society of Human Genetics Conference  
Poster presentation titled “Variant in Calcium-Sensing Receptor Region is Associated with Alzheimer Disease Status”  
Los Angeles, CA
- June 2003      \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented lecture titled “Molecular Genetic Research: Designs and Methods”  
Bethesda, MD
- April 2003      Linking the Double Helix with Health: Genetics in Nursing Research  
National Institutes of Health/National Institute of Nursing Research  
Poster presentation titled “ Mitochondrial DNA deletions are Associated with Glasgow coma score in traumatic brain injured patients”
- October 2002      American Society of Human Genetics Conference  
Poster presentation titled “Association of mitochondrial deletions with Glasgow coma score in traumatic brain injured patients”  
Baltimore, MD
- July 2002      \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented lecture titled “Establishing a research collaboration with a geneticist”  
Bethesda, MD
- June 2002      \*\*National Institutes of Health/National Institute of Nursing Research  
Summer Genetics Institute  
Presented lecture titled “Molecular Genetic Research: Designs and Methods”  
Bethesda, MD
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- October 2001 American Society of Human Genetics Conference  
Poster presentation titled "Association of the calcium-sensing receptor gene in Alzheimer's disease susceptibility" San Diego, CA
- September 2001 \*\*Introduction to Human Genetics Workshop for Nursing Faculty  
Case Western Reserve Frances Payne Bolton School of Nursing  
Cleveland, OH  
Role in workshop: Developed and presented all-day workshop
- October 2000 American Society of Human Genetics Conference  
Poster presentation titled "ApoE and APP are alternative ligands for the calcium-sensing receptor" Philadelphia, PA
- October 1999 American Society of Human Genetics Conference  
Poster presentation titled "Glutathione peroxidase 3: Identification of promoter region polymorphisms and association with age-related maculopathy" San Francisco, CA
- October 1997 American Society of Human Genetics Conference  
Poster presentation titled "Gain of function mutations within the Ca-sensing receptor gene of patients with autosomal dominant hypocalcemia identifies functional domains of this receptor" Baltimore, MD
- September 1994 American Society of Human Genetics Conference  
Slide presentation titled "A missense mutation in the Ca-sensing receptor gene causes familial autosomal dominant hypoparathyroidism" Montreal, Quebec

### **Local**

- May 2019 The Epigenome Across the Lifespan Conference  
Presentation titled: Epigenomics of Patient Outcomes after Neurological Injury  
Pittsburgh, PA
- April 2019 Research Methodology Series  
Presentation titled: The National Institute of Nursing: Mission and Funding Opportunities  
Pittsburgh, PA
- May 2016 Big Data, Healthcare Analytics, and Personalized Medicine Course  
Presentation titled: Collecting Family Medical History and Ancestry Data
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April 2016      Big Data, Healthcare Analytics, and Personalized Medicine Course  
Presentation titled: Genotyping arrays and NGS

March 2015      \*\*Human Genetics Research Seminar Series  
Genomics of Patient Outcomes after Neurological Injury  
Pittsburgh, PA

October 2014    \*\*Invited Moderator  
K99 Panel Discussions  
University of Pittsburgh  
Pittsburgh, PA

May 2010        \*\*Nursing Horizons Conference  
Pittsburgh, PA  
Presentation titled "Application of Genetics in the Clinical Setting"

November 2008   \*\*UPMC Fourth Annual Pain Symposium  
Presented seminar titled "Genetics of Pain"

December 2008   \*\*University of Pittsburgh  
Department of Human Genetics Seminar Series  
Presented seminar titled "Genomics of Outcome Attained after TBI"

April 2008        \*\*The Center for Aging and Population Health Seminar  
Presented Invited lecture titled "The Cardiovascular Health Study  
(CHS): Aging Lens Sub-Study"

February 2007    \*\*Safar Center Invited Lecture  
Presented lecture titled "Mitochondrial Genetics and TBI"

January 2007     \*\*Pittsburgh Neurotrauma Consortium  
Presented lecture titled "Mitochondrial Genetics and TBI"

November 2006   \*\*Panther Rehab Rounds, University of Pittsburgh  
Presented lecture titled "A Role for the Mitochondria in Outcomes  
Attained after TBI"

August 2006     \*\*Pharmacology Update Conference, University of Pittsburgh  
Keynote Presentation titled "Pharmacogenomics"

March 2004        \*\*University Wide Endocrine Conference  
Presented lecture titled "Genetic Testing for Type 1 Diabetes in  
Families: Translating Results from the Laboratory to the Community"

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Pittsburgh, PA

- April 2003      \*\*Pharmacology Update for Advanced Practice Clinicians  
Presented lecture titled "Pharmacogenetics"  
Pittsburgh, PA
- March 2003      \*\*Alzheimer's Disease Research Center's Topics at Noon  
Presented to researchers and clinicians of the ADRC at the  
University of Pittsburgh "The Calcium Sensing Receptor in  
Alzheimer's Disease"
- March 2003      \*\*Introduction to Human Genetic Research Workshop  
University of Pittsburgh Institutional Review Board  
Role in workshop: Developed and presented 2-hour workshop
- May 2002        \*\*Ophthalmology Research Seminar  
University of Pittsburgh Department of Ophthalmology  
Presented lecture titled "Candidate Gene Analysis for Age-Related  
Maculopathy"
- March 2001      \*\*Nursing Horizons Conference  
Presented lecture titled "Introduction to Medical Genetics"  
Pittsburgh, PA.
- June 2000        \*\*Fundamentals of Human Subject Research Workshop  
University of Pittsburgh Research Conduct and Compliance Office  
Role in workshop: Presented session titled "Ethical, Legal and  
Social Issues in Genetic Research"
- May 2000        Introduction to Human Genetics Workshop for Nursing Faculty  
University of Pittsburgh School of Nursing Faculty  
Role in workshop: Developed and presented entire workshop over  
the course of 4 days
- May 2000        \*\*Adult Endocrine Research Seminar  
University of Pittsburgh Department of Endocrinology and  
Metabolism Presented lecture titled "The Calcium Sensing Receptor  
in Autosomal Dominant Hypocalcemia"
- March 2000      \*\*Department of Human Genetics Research Seminar  
University of Pittsburgh Department of Human Genetics  
Presented lecture titled "A Day in the Life of the Calcium-Sensing  
Receptor"
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## OTHER SCHOLARLY ACTIVITIES

### Editorial Board(s)

2006 – 2013 and  
2015 – Present      Board Member, Biological Research for Nursing  
2013 – Present      Board Member, Heart and Lung

### Guest Editor

2009      Biological Research for Nursing  
Special Issue on Genetics and Genomics in Nursing Research;  
Volume 11  
  
2015      Annual Review of Nursing Research  
Special Issue on Traumatic Brain Injury  
Volume 33

### Manuscript Reviewer

2001 - Present      Human Mutation  
2001 - Present      Molecular Genetics and Metabolism  
2001 - Present      Medsurg Nursing: The Journal of Adult Health  
2003 - Present      Journal of Molecular Endocrinology  
2005 - Present      Biological Research for Nursing  
2006 - Present      Journal of Nursing Scholarship  
2006 - Present      Human Molecular Genetics  
2007 - Present      Expert Review of Ophthalmology  
2008 - Present      Neurobiology of Aging  
2010 - Present      Molecular Vision  
2012 - Present      The Lancet Neurology  
2013 - Present      Journal of Neurotrauma  
2014 – Present      Nursing Research  
2017 – Present      Neurology: Genetics  
2017 - Present      PLoS One and PLoS Genetics

### Grant Reviewer

2001 - Present      Reviewer, Alzheimer's Association  
2004 - 2009      Ad Hoc Reviewer, NIH, Nursing Science: Children and Families  
(NSCF) Study Section  
  
2006 - Present      Reviewer, Central Medical Research Fund, University of Pittsburgh  
2007 - Present      Ad Hoc Reviewer, Department of Defense  
2009 - 2013      Standing Member (Chair 2011-2012, NIH; Nursing and Related  
Clinical Sciences (NRCS) Study Section  
  
2013 – Present      Ad Hoc Reviewer, NIH Study Sections

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**TEACHING****Undergraduate Courses**

<b>Year(s)</b>	<b>Course Number &amp; Title</b>	<b>Role</b>
2001 - 2005	NUR1680, Human Genetics and Molecular Therapeutics	Instructor

**Graduate Courses**

<b>Year(s)</b>	<b>Course Number &amp; Title</b>	<b>Role</b>
2001 - 2007	HUGEN2017/NUR2680, Human Genetics and Molecular Therapeutics	Instructor
2001 - Present	NUR2681, Advanced Topics in Human Genetics	Instructor
2008 - 2017	NUR3051, Building a Program of Research	Instructor
2000 - Present	NUR3045, Research Practicum	Preceptor

**Programs**

<b>Year(s)</b>		
2003 - Present	Post Master's Certificate in Healthcare Genetics, Post Baccalaureate Certificate in Healthcare Genetics and Minor in Nursing Genetics Programs	Director
2006 – Present	NIH T32 T32NR009759 Targeted Research and Academic Training for Nurses in Genomics	Director
2013 – Present	NIH T32 T32HD04068 Pediatric Neurointensive Care and Resuscitation Research	Training Faculty
2016	Big Data, Healthcare Analytics and Personalized Medicine; workshops for health care providers; funded by the Jewish Health Care Foundation	Co-Director

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**SERVICE****School/University Committees**

1996 - 1999	Member, Graduate School of Public Health Safety Committee, University of Pittsburgh
1997 - Present	Member, University of Pittsburgh Chemical Hygiene Committee
2000 - 2005	Member, Bachelor of Science in Nursing Council, University of Pittsburgh, School of Nursing
2000 - 2009	Member, Master of Science in Nursing Council, University of Pittsburgh, School of Nursing
2001 - 2002	Member, Continuing Education Committee, University of Pittsburgh, School of Nursing
2001 - 2003	Member, Admissions, Progression and Graduation Committee, University of Pittsburgh, School of Nursing
2002 - 2003	Member, Teaching Evaluation Committee, University of Pittsburgh, School of Nursing
2002 - 2005	Member, Ph.D. in Nursing Curriculum Committee
2002 - 2008	Member, University of Pittsburgh Institutional Review Board
2002 - 2015	Member, University of Pittsburgh Biohazard Committee
2002 - Present	Member, Ph.D. in Nursing Council, University of Pittsburgh, School of Nursing (Chair 2020 – Present)
2003 - 2005	Chairperson and Member, Bylaws and Policy Committee, University of Pittsburgh, School of Nursing
2005 - 2007	Member, Evidence Based Practice Critical Appraisal Task Force
2009 - 2011	Member, Ph.D. in Nursing Curriculum Committee
2010 - 2012	Member and Chairperson, Planning and Budget
2012 - 2016	Member, Honors College Committee
2012 - 2014	Member, Progression and Graduation PhD
2011 - Present	Member, University of Pittsburgh Postdoctoral Assessment Committee
2013 - 2015	Member, PhD Curriculum Committee
2014 - 2015	Endowed Professor Search Committee
2015 - 2017	Member, Evaluation and Steering
2015 – 2018	Member, School Wide Curriculum Committee
2016 – 2018	Chair, PhD Apprenticeship Task Force
2016 – Present	Multidisciplinary Advisory Committee (CTSI-KL2)
2018 – Present	University Research Council
2018 – Present	University of Pittsburgh Postdoctoral Association Faculty Advisory Board
2018- Present	Appointment, Reappointment, Tenure and Promotion Committee SON
2019 - Present	Basic Science Council for the University of Pittsburgh

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## Other Professional Activities

2018	Member NINR Intramural Scientists Review Committee
2017; 2021	Board of Scientific Counselors (ad hoc); NIH Clinical Center
2017 – 2021	NIH; National Advisory Council for Nursing Research
2016	Site Visit Team; Medical Scientist Training Program; University of Pittsburgh
2016; 2019	Member NINR Intramural Tenure Review Committee
2014	External Review Board member for University of Tennessee School of Nursing PhD Program
2014	Invited member of NINR Genomic Nursing Science Next Steps Workshop
2013	Invited member of the NINR Genomic Nursing Science Blueprint Workshop
2013	Member NINR Intramural Tenure Review Committee
2013 – 2018	Member of external advisor committee for Biobehavioral Research Center, University of Pennsylvania School of Nursing
2012 - 2019	Invited member of CANS Advisory Committee for PhD Curriculum Development
2012 - 2013	Member of NINR Scientific Director Search Committee
2010 – 2013	Member of external advisory committee for (P30) Symptom Management Faculty Scholars Program, UCSF School of Nursing
2003 – Present	International Society of Nurses in Genetics Research Committee
2003 - 2008	Member, External advisory committee for (P20) on Injury Mechanisms and Related Responses, The University of Arizona, College of Nursing
2002 - 2019	Faculty for NIH/National Institute of Nursing Research Summer Genetics Institute
2001 - Present	Member, Mentor Network through the American Society of Human Genetics provides mentoring and consultation to local K-12 teachers to provide learning opportunities to their students.

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### Yvette Conley Table of Trainees

Listed in order of Undergraduate BPhil Chair (past and present); PhD Dissertation Chair (past and present); PhD Dissertation & MS Thesis Committee Member (past and present); Postdoctoral trainees; and Junior Faculty funded for mentored training

Trainee Name (Where Training Occurred if not at Pitt)	Past / Current Trainee	Predoc / Postdoc Level	Training Period	Title of Research Project	Achievements	Positions Held by Past Trainees
K. O'Meara (Chair)	Current	Undergrad BSN	2019 – pres	The influence of CYP2B6 variants on traumatic brain injury patient outcome after rapid sequence intubation	<ul style="list-style-type: none"> <li>Honors College</li> <li>BPhil</li> <li>Harvey and Edna Roth Endowed Nursing Research Award</li> </ul>	Not applicable
E. Lounderslager (Chair)	Past	Undergrad BSN	2016 – 2020	The role of a PGC1-a variation in patient outcomes after severe traumatic brain injury	<ul style="list-style-type: none"> <li>Honors College</li> <li>BPhil</li> </ul>	Neuro ICU, Mercy Hospital, Pittsburgh, PA
E. Turi (Chair)	Past	Undergrad BSN	2014-2016	Psychosocial Comorbidities Related to Return to Work Rates Following Aneurysmal Subarachnoid Hemorrhage	<ul style="list-style-type: none"> <li>Honors College</li> <li>BPhil</li> <li>Sigma Rising Star Award</li> <li>Nightingale of PA Award</li> <li>Presented research at an international conference in Cape Town South Africa</li> <li>Co-authored 4 manuscripts (2 as 1<sup>st</sup> author)</li> </ul>	PhD in Nursing program; Columbia University

Trainee Name (Where Training Occurred if not at Pitt)	Past / Current Trainee	Predoc / Postdoc Level	Training Period	Title of Research Project	Achievements	Positions Held by Past Trainees
J. Wang (Chair)	Past	Undergrad	2016-2019	Examining the Effect of Tumor Features, <i>BDNF</i> , and <i>5-HTT</i> Genotypes on Depressive Symptoms in Breast Cancer	<ul style="list-style-type: none"> <li>• Honors College</li> <li>• BPhil – March 2019</li> <li>• Nightingale of PA Award</li> <li>• Co-authored 3 manuscript (2 as 1<sup>st</sup> author)</li> <li>• Presented research at a national conference with abstract accepted for presentation at another in April 2019</li> </ul>	MD program; University of Pittsburgh Medical School
K. Mellett (Chair)	Past	Undergrad BSN	2016-2019	Relationship between variation in the <i>TP53</i> gene and patient outcomes following severe traumatic brain injury	<ul style="list-style-type: none"> <li>• Honors College</li> <li>• BPhil – April 2019</li> <li>• Presented research at a national conference with abstract accepted for presentation at another in April 2019</li> <li>• 1<sup>st</sup> author publication submitted for review</li> </ul>	Johns Hopkins University Hospital, Staff Nurse
E. Kantor (Committee Member)	Past	Undergrad BSN	2008-2010	An analysis of haptoglobin genotypes and recovery from aneurysmal subarachnoid hemorrhage	<ul style="list-style-type: none"> <li>• Honors College</li> <li>• BPhil – April 2010</li> </ul>	AtlantiCare Regional Medical Center Pomona NJ, Staff Nurse

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I. Gowda (Committee Member)	Past	Undergrad BSN	2008-2009	Genotypic variations and frequencies of OPRM1 by race/ethnicity group in an orthopedic trauma population	<ul style="list-style-type: none"> <li>Honors College</li> <li>BPhil – April 2009</li> </ul>	PostBac Fellow NIH  MD Fellow UCLA Health
A. Pennett (Committee Member)	Past	Undergrad BSN	2013-2014	Risk factors for respiratory depression in postoperative orthopedic trauma patients	<ul style="list-style-type: none"> <li>Honors College</li> <li>BPhil – April 2014</li> <li>Outstanding Research Award for BSN student</li> </ul>	
A. Rietze (Committee Member)	Past	Undergrad BSN	2016-2018	Blood-based DNA methylation levels of endoglin pathway genes: do they differ in women with and without clinically-overt preeclampsia	<ul style="list-style-type: none"> <li>Honors College</li> <li>BPhil – April 2018</li> </ul>	
H. Moore (Committee Member)	Past	Undergrad BSN	2016-2019	Search for gut microbiota-medi- ated composition and influence in type 2 diabetes	<ul style="list-style-type: none"> <li>Honors College</li> <li>BPhil – April 2019</li> </ul>	
J. Kim (Committee Member)	Past	Undergrad BSN	2018-2019	Does a functional SNP variance in interleukin-6 lead to increased physiology of delirium in ICU patients	<ul style="list-style-type: none"> <li>Honors College</li> <li>BPhil – April 2019</li> </ul>	

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M. Diamond (University of Pittsburgh Rehabilitation Sciences)  (Committee Member)	Past	Undergrad	2011-2014	IL-1B associations with post-traumatic epilepsy: a genetic and biomarker cohort study		Medical Student Rosalind Franklin University of Medicine and Science
T. Barr  Dissertation Chair	Past	Pre	2004-2009	Gene Expression Profiling of Acute Ischemic Stroke	<ul style="list-style-type: none"> <li>• NIH/NINR Graduate Partnership Program (GPP) for predoc (Sponsor – Conley)</li> <li>• Patent awarded (from dissertation work) and intellectual property licensed and commercialized</li> <li>• Robert Wood Johnson Faculty Award</li> </ul>	Postdoctoral Fellow – Intramural at NIH  Assistant Professor West Virginia University  Co-Founder and Chief Science Officer at CereDx Inc  Associate Professor Ohio State University
B. Charles  Dissertation Chair	Past	Pre	2003-2008	Genetic Basis of Diabetic Retinopathy	<ul style="list-style-type: none"> <li>• NIH/NINR Diversity F31NR008970 (Sponsor – Conley)</li> <li>• American Nurses Foundation Research Award for dissertation research</li> <li>• NIH Genome Recognition of Employee Accomplishments and Talents (GREAT) Award</li> </ul>	Intramural Research Training Award, Health Disparities Post-Doctoral Fellowship, National Human Genome Research Institute, National Institutes of Health  Assistant Professor Howard University

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N. Zangrilli Hoh  Dissertation Chair	Past	Pre	2003-2008	Role of BCL2 in Recovery following TBI	<ul style="list-style-type: none"> <li>• Leslie Hoffman Research Award</li> </ul>	Postdoctoral Fellow – University of Pittsburgh  Assistant Professor Chadham University
M. Bell Schmella  Dissertation Chair	Past	Pre	2007-2012	Genomics of the Endoglin Pathway in Preeclampsia	<ul style="list-style-type: none"> <li>• NIH/NINR F31NR011379 awarded (Sponsor-Conley)</li> <li>• ISONG Research Award</li> <li>• SST Research Award</li> <li>• NIH/NINR F32NR014622 awarded (perfect score)</li> <li>• NIH/NICHD R21HD092770 awarded</li> </ul>	Postdoctoral Fellow – Magee Womens Research Institute; awarded F32  Tenure Stream Assistant Professor University of Pittsburgh

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K. Baumgartel  Dissertation Chair	Past	Pre	2009-2015	Epigenomic Profile of DNA from Breast Milk and Neonatal Outcomes	<ul style="list-style-type: none"> <li>• Institutional Predoctoral Fellowship (T32); University of Pittsburgh</li> <li>• Corrine Barnes Scholarship</li> <li>• ISONG research award</li> <li>• STTI research award</li> <li>• NIH/NINR F32NR017133 awarded</li> <li>• Pitt School of Nursing Community Service Award</li> <li>• March of Dimes Saving Babies Together Award</li> <li>• Board of Directors Mid-Atlantic Mother's Milk Bank</li> </ul>	Postdoctoral Fellowship; School of Medicine; University of Pittsburgh  Tenure Stream Assistant Professor University of South Florida
C. Snyder  Dissertation Chair	Past	Pre	2007-2012	Genomics of the VEGF pathway in respiratory distress syndrome	<ul style="list-style-type: none"> <li>• NIH/NINR F31NR012602 (Sponsor-Conley)</li> </ul>	Not Applicable (went on medical leave from program and could not finish program)
T. Koleck  Dissertation Chair	Past	Pre	2011-2016	Genomics of Cognitive Function in Breast Cancer	<ul style="list-style-type: none"> <li>• NIH/NINR F31NR014590 (Sponsor-Conley)</li> <li>• American Cancer Society Fellowship</li> <li>• Nightingale of PA PhD Student Award</li> <li>• STTI research award</li> <li>• K99NR015473 awarded (perfect score)</li> <li>• R00NR015473</li> </ul>	Postdoctoral Fellowship Columbia University; awarded K99/R00  Tenure stream Assistant Professor University of Pittsburgh



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N. Osier (Committee Member)	Past	Pre	2012-2016	Mechanism of Melatonin-induced Neuroprotection in Traumatic Brain Injury	<ul style="list-style-type: none"> <li>• NIH/NINR F31NR014957</li> <li>• Copeland Foundation award</li> <li>• ISONG research award</li> </ul>	Postdoctoral Fellow intramural NIH  Tenure Stream Assistant Professor University of Texas at Austin
L. Wright Heinsberg  Dissertation Chair	Past	Pre	2015 – 2020	Epigenomics and Genomics of Iron Homeostasis in aSAH	<ul style="list-style-type: none"> <li>• Institutional Predoctoral Fellowship (T32); University of Pittsburgh</li> <li>• NIH/NINR Summer Genetics Institute Fellowship</li> <li>• Jonas Scholar</li> <li>• NIH/NINR F31NR017311 (Sponsor – Conley)</li> <li>• ISONG Research Award</li> <li>• PA Nightingale Award</li> <li>• American Nurses Foundation Award</li> </ul>	Postdoctoral Fellow; TL1 scholar; University of Pittsburgh Department of Human Genetics
F. Peterson-Burch  Dissertation Chair	Current	Pre	2015 – pres	Role of miRNA in age-related maculopathy	<ul style="list-style-type: none"> <li>• Institutional Predoctoral Fellowship (T32); University of Pittsburgh</li> <li>• Jonas Scholar</li> <li>• ISONG research award</li> </ul>	Not Applicable

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L. Graves  Dissertation Chair	Past	Pre	2016 – 2019	Sleep & omics in recover after spinal cord injury	<ul style="list-style-type: none"> <li>• Institutional Predoctoral Fellowship (T32); University of Pittsburgh</li> <li>• Robert Wood Johnson Scholar</li> </ul>	Postdoctoral Scholar at NIH funded by RWJF and NINR  Tenure Stream Assistant Professor University of Texas Medical Branch at Galveston
L. Gawron	Current	Pre	2018 – pres	Determinants of variability in labor trajectories	<ul style="list-style-type: none"> <li>• Institutional Predoctoral Fellowship (T32); University of Pittsburgh</li> <li>• ISONG research award</li> </ul>	Not applicable
T. Davis	Current	Pre	2019 – pres	Biological and Social Determinants of Cancer Related Fatigue and its Mitigation by Physical Activity	<ul style="list-style-type: none"> <li>• Institutional Predoctoral Fellowship (T32); University of Pittsburgh</li> <li>• ISONG research award</li> </ul>	Not applicable
Y. Zhu (Committee Member)	Past	Pre	2015 – 2020	Musculoskeletal Pain among Breast Cancer Survivors: Through Biobehavioral and Imaging Lenses	<ul style="list-style-type: none"> <li>• F99CA234782</li> <li>• K00CA234782</li> </ul>	Postdoctoral Scholar; Harvard University
J. Dechant (University of Pittsburgh – Epidemiology)  (Committee Member)	Past	Pre	2010-2013	Exploration of MTDNA variants in relation to post-traumatic seizure after severe traumatic brain injury		Assistant Professor University of Pittsburgh

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M. Failla (University of Pittsburgh Department of Neuroscience)  (Committee Member)	Past	Pre	2010-2014	Monoaminergic and neurotrophic gene variation associated with fronto-limbic circuitry affect mood and cognitive recovery post-TBI		Postdoctoral Fellow Vanderbilt University
S. Adams (University of Pittsburgh School of Pharmacy)  (Committee Member)	Past	Pre	2015-2018	Targeting the genetic and molecular role of ABCG2 following traumatic brain injury		Assistant Professor of Pharmacogenomics Shenandoah University
H. Li  (Committee Member)	Past	Pre	2016-2019	The psychological symptom cluster among women with breast cancer before and during adjuvant therapy	<ul style="list-style-type: none"> <li>American Cancer Society Predoctoral Fellowship award</li> </ul>	Postdoctoral Fellow University of Illinois Chicago
J. Dungan (University of Florida)  Dissertation Committee Member	Past	Pre	2002-2006	Race, HTN, and Vascular Adrenoceptor Gene Expression	<ul style="list-style-type: none"> <li>NIH/NINR F31NR009148 (Co-Sponsor – Conley)</li> </ul>	Tenure Stream Assistant Professor Duke University (K99/R00 recipient)  Associate Professor Duke University  Professor University of Florida

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M. Gallek  Dissertation Committee Member	Past	Pre	2005-2008	Endothelin-1 gene variants and cerebral vasospasm after subarachnoid Hemorrhage	<ul style="list-style-type: none"> <li>• ISONG Research Award</li> <li>• SST Research Award</li> <li>• Neuroscience Nursing Foundation Research Award</li> </ul>	<p>Assistant Professor University of Arizona</p> <p>Associate Professor University of North Carolina</p> <p>Robert Wood Johnson Faculty Award</p>
L. Linder (University of Utah)  Dissertation Committee Member	Past	Pre	2005-2009	Behavioral and situational influence on sleep in children with cancer	<ul style="list-style-type: none"> <li>• American Cancer Society Dissertation Award</li> </ul>	<p>Assistant Professor University of Utah</p> <p>Associate Professor with Tenure University of Utah</p>
A. Puccio  Dissertation Committee Member	Past	Pre	1999-2008	Biochemical Measurements in Severe TBI Patients	<ul style="list-style-type: none"> <li>• Copeland Research Award</li> <li>• K99NR013176 (Primary Sponsor – Conley)</li> </ul>	<p>Tenure Stream Assistant Professor University of Pittsburgh Department of Neurosurgery (K99/R00 recipient)</p>
S. Alexander  Dissertation Committee Member	Past	Pre	1999-2004	The Impact of APOE Gene Expression on Recovery from Subarachnoid Hemorrhage.	<ul style="list-style-type: none"> <li>• America Nurses Foundation</li> <li>• Neuroscience Nursing Foundation Research Award</li> <li>• NIH/NINR R03NR01152 awarded</li> <li>• NIH/NIA R21 awarded</li> </ul>	<p>Associate Professor with tenure University of Pittsburgh</p> <p>Past President, International Society of Nurses in Genetics</p>

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G. Rodway  Dissertation Committee Member	Past	Pre	1999-2004	Intermittent Hypoxia: Impact on Cardiovascular Parameters and Oxidative Stress		Assistant Professor University of Utah  Associate Professor UC Davis
C. Driscoll (University of Tennessee)  Dissertation Committee Member	Past	Pre	2000-2005	Gene Expression Profiling of Post Transplant Diabetes Mellitus	<ul style="list-style-type: none"> <li>NIH/NINR F31NR008650 (Co-Sponsor – Conley)</li> </ul>	Assistant Professor Virginia Commonwealth University
P. Chuang  Dissertation Committee Member	Past	Pre	2004-2008	Neuroglobin Genetic Polymorphisms and Their Relationship to Functional Outcomes Following Traumatic Brain Injury		Postdoctoral Fellow – National Institute of Nursing Research  Assistant Professor University of Texas
S. Wesmiller  Dissertation Committee Member	Past	Pre	2008-2010	The Association of CYP2D6 and mu-opioid Receptor Genotypes and Postoperative nausea and Vomiting in Adult Orthopedic Patients with Single Extremity Fractures	<ul style="list-style-type: none"> <li>NIH/NINR R01NR016695 awarded</li> </ul>	Associate Professor with Tenure University of Pittsburgh

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N. Satchidanand (University of Pittsburgh - Health, Physical, and Recreation Education)  Dissertation Committee Member	Past	Pre	2005-2011	The Influence of Variation in the Catechol-O-methyl transferase Gene on Perceptual Response to Exercise		Assistant Professor of Medicine University of Buffalo
J. Sanders (University of Pittsburgh – Department of Epidemiology; MD/PhD)	Past	Pre	2010-2012	Leukocyte Telomere Length and Lens Transparency as Biomarkers in Population Studies of Human Aging	<ul style="list-style-type: none"> <li>NIH/NIA F30AG038093 (Co-Sponsor – Conley)</li> </ul>	Internal Medicine Massachusetts General Hospital
A. Stanfill (University of Tennessee)  Dissertation Committee Member	Past	Pre	2011-2014	Impact of Genomics on Obesity post Transplantation	<ul style="list-style-type: none"> <li>NIH/NINR; F31NR013812 (Co-Sponsor – Conley)</li> <li>NIH/NINR R01NR017407 awarded</li> </ul>	Postdoctoral Scholar University of Pittsburgh  Associate Professor Associate Dean of Research University of Tennessee
H. Khalil (University of Pittsburgh)  Dissertation Committee Member	Past	Pre	2011-2015	Pain Perception and Morphine Responsiveness in Postoperative Orthopedic Trauma Patients: The Combined Role of OPRM1 and COMT		Assistant Professor University of Jordan

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M. Donnelly (University of Pittsburgh – School of Pharmacy)  Dissertation Committee Member	Past	Pre	2009-2014	Role of 20-HETE and EETs in Cerebrovascular Complications after aSAH	<ul style="list-style-type: none"> <li>NIH/NINR F31NR012608 (Co-Sponsor – Conley)</li> </ul>	Food and Drug Administration
J. Zelazny  Dissertation Committee Member	Past	Pre	2009-2016	Genomics of Suicidality		Postdoctoral Scholar University of Pittsburgh WPIC – T32  Tenure Stream Assistant Professor University of Pittsburgh
A. Dressen (University of Pittsburgh Department of Epidemiology)  (Committee Member)	Past	MS	2006-2007	Growth hormone genes and prostate cancer risk		Computational Biologist Genentech
J. Fan (University of Pittsburgh Department of Biostatistics)  (Committee Member)	Past	MS	2012-2013	Trajectories of emotional symptoms among survivors after severe traumatic brain injury		

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Y. Li (University of Pittsburgh Department of Human Genetics)  (Committee Member)	Past	MS	2017-2018	Epigenome-wide association study of recovery outcomes of traumatic brain injury patients		PhD student at University of Washington
A. Arockiaraj (University of Pittsburgh Department of Human Genetics)  (Committee Member)	Past	MS	2017-2019	Epigenome-wide association studies in aneurysmal subarachnoid hemorrhage patients		PhD student at University of Pittsburgh
K. Azuma	Past	Post	2004- 2007	Mitochondrial genetics of skeletal muscle of lean, obese and diabetic individuals		Associate Professor, Keio University, Tokyo
A. Sarniak	Past	Post	2007-2008	PARP Genetics in human TBI		Associate Professor Wayne State University Children's Hospital of Michigan
N. Hoh	Past	Post	2008-2010	Genomics of Recovery after Spinal Cord Injury	• Institutional Postdoctoral Fellowship (T32); University of Pittsburgh	Assistant Professor Chadham University

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E. Stevens  Co-Mentor with Mary Marazita	Past	Post	2008-2010	Genomic Contribution to Complications of Cleft Lip and Cleft Palate	<ul style="list-style-type: none"> <li>• Institutional Postdoctoral Fellowship (T32); University of Pittsburgh</li> </ul>	Assistant Professor Chatham University  Associate Professor Chatham University
E. Kostas-Polston	Past	Post	2010-2011	Genomics of Host Susceptibility to Oral HPV Infection	<ul style="list-style-type: none"> <li>• Institutional Postdoctoral Fellowship (T32); University of Pittsburgh</li> </ul>	Assistant Professor University of South Florida  Assistant Professor Uniformed Services University
M. Knisely	Past	Post	2016 – 2018	Pain and co-occurring symptoms in IBS	<ul style="list-style-type: none"> <li>• Institutional Postdoctoral Fellowship (T32); University of Pittsburgh</li> <li>• ISONG research award</li> </ul>	Tenure Stream Assistant Professor Duke University
E. Williams	Past	Post	2017 – 2019	Sleep in patients with severe traumatic brain injury	<ul style="list-style-type: none"> <li>• Institutional Postdoctoral Fellowship (T32); University of Pittsburgh</li> </ul>	Department of Justice
L. Shah	Past	Post	2017 – 2019	Sharing of family health information using electronic health records	<ul style="list-style-type: none"> <li>• Institutional Postdoctoral Fellowship (T32); University of Pittsburgh</li> </ul>	Tenure Stream Assistant Professor Virginia Commonwealth University
M. Wagner	Current	Post	2018 – 2020 Extended to 2022 for K99 award	Omics of pain across chronic disorders	<ul style="list-style-type: none"> <li>• Institutional Postdoctoral Fellowship (T32); University of Pittsburgh</li> <li>• K99NR019080 (Conley – Sponsor)</li> </ul>	Not Applicable – current trainee

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N. Park	Past	Jr. Fac	2012-2014	Impact of Adjuvant Therapy for Breast Cancer on Risk for CVD	<ul style="list-style-type: none"> <li>Clinical and Translational Science Institute (CTSI) Clinical Research Scholars (KL2)</li> </ul>	Not Applicable – currently Assistant Professor University of Pittsburgh
A. Puccio	Past	Jr. Fac	2012-2014	Transcriptomics of Ischemia in Severe TBI	<ul style="list-style-type: none"> <li>NIH/NINR K99NR013176 (Primary Mentor – Conley)</li> </ul>	Tenure stream Assistant Professor University of Pittsburgh
A. Stanfill	Past	Post	2014 – 2016	Genomics and Epigenomics of Depression and Anxiety after Stroke	<ul style="list-style-type: none"> <li>Institutional Postdoctoral Fellowship (T32); University of Pittsburgh</li> <li>NIH/NINR R01NR017407 awarded</li> </ul>	Assistant Professor University of Tennessee  Associate Professor Associate Dean for Research University of Tennessee
J. Merriman	Past	Post	2014-2017	Brain Biomarkers of Cognitive and Mood Changes Related to Aromatase Inhibitor Use	<ul style="list-style-type: none"> <li>K99NR015473 (Mentoring Team - Conley)</li> </ul>	Tenure stream Assistant Professor New York University
R. Jha	Past	Jr. Fac	2015-2020	Omics of intercranial pressure post traumatic brain injury	<ul style="list-style-type: none"> <li>K23NS101036 (Co-Sponsor - Conley)</li> <li>R01NS115815</li> </ul>	St. Joseph's Hospital and Medical Center Phoenix, AZ
A. Treble-Barna	Current	Jr. Fac	2017-pres	Epigenetic influences on neurobehavioral recovery following pediatric traumatic brain injury	<ul style="list-style-type: none"> <li>CTSI KL2 recipient (Sponsor – Conley)</li> <li>K01HD097030 (Sponsor – Conley)</li> </ul>	Not Applicable – current trainee