

**UNIVERSITY OF MIAMI**  
Curriculum Vitae

Date: May 4, 2020

**PERSONAL**

Name: Cindy L. Munro, PhD, RN, ANP-BC, FAAN, FAANP, FAAAS

Home Phone: N/A

Office Phone: (305) 284-2107

Home Address: N/A

Current Academic Rank: Dean and Professor

Primary Department: School of Nursing and Health Studies

Secondary or Joint Appointments: N/A

Citizenship: N/A

Visa Type (if non-citizen): N/A

**HIGHER EDUCATION**

Institutional:

- |          |                                                                                                                                                                                                                                 |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1992 PhD | Medical College of Virginia, Virginia Commonwealth University, Richmond, VA. Dissertation: Sucrose-derived exopolysaccharides of <i>Streptococcus mutans</i> are virulence factors in dental caries and endocarditis.           |
| 1997 ANP | School of Nursing, Virginia Commonwealth University, Richmond, VA. Post-Master's Adult Nurse Practitioner Certificate.                                                                                                          |
| 1984 MS  | College of Nursing, University of Delaware, Newark, DE. Medical-surgical Nursing (Cardiopulmonary Clinical Specialist emphasis). Thesis: Effects of back massage on anxiety level of patients with acute myocardial infarction. |
| 1983 BSN | Millersville University of Pennsylvania, Millersville, PA.                                                                                                                                                                      |

Non-Institutional:

1976 Diploma Professional Nursing, York Hospital School of Nursing, York, PA.

Certification, licensure:

Registered Nurse, licensed in Florida and Virginia  
Adult Nurse Practitioner, credentialed since 1998 by American Nurses  
Credentialing Center, licensed in Florida

**EXPERIENCE**

**Academic:**

8/17 to Present Dean and Professor, University of Miami School of Nursing and Health  
Studies, Coral Gables, Florida  
5/11- 8/17 Associate Dean of Research and Innovation, Professor, University of  
South Florida College of Nursing, Tampa, Florida  
7/92- 5/11 Nursing Alumni Endowed Professor, School of Nursing, Virginia  
Commonwealth University, Richmond, VA. Affiliate Professor  
appointments in School of Medicine, Department of Microbiology and  
Immunology, and School of Medicine, Department of Emergency  
Medicine. (Promoted to Professor 2004, Endowed Professor 2009)  
1/85-5/88 Assistant Professor of Nursing, Lynchburg College, Lynchburg, VA.

**Non-Academic:**

1/09- present Coeditor-in-Chief, *American Journal of Critical Care*  
2/14- 2/16 President, Southern Nursing Research Society  
4/12- 12/14 Adult Nurse Practitioner (volunteer, 1/2 day weekly), USF Student  
Health Services, Tampa, Florida.  
1/00- 5/11 Adult Nurse Practitioner (volunteer, 2 days/month), Petersburg  
Health Care Alliance, Petersburg, VA.  
4/92-7/92 Postdoctoral Research Associate, Dr. F. L. Macrina, VCU, Richmond,  
VA.  
6/82-10/84 Critical Care Charge Nurse, Memorial Hospital, York, PA.  
12/81-6/82 Staff Nurse, Lancaster General Hospital, Lancaster, PA.  
2/79-12/81 Office Nurse, Office of J.D. Weinberg, M.D., Columbia, PA.  
12/76-1/79 Red Cross Volunteer RN, Nav Reg Med Cen, Charleston, SC.  
6/76-12/76 Staff Nurse, Columbia Hospital, Columbia, PA.

**Military:** n/a

## **PUBLICATIONS**

- Elías M, **Munro C**, Liang Z, Padilla Fortunatti C, Calero K, Ji M. Nighttime Sleep Duration Is Associated With Length of Stay Outcomes Among Older Adult Survivors of Critical Illness. *Dimens Crit Care Nurs*. 2020 May/Jun;39(3):145-154. PMID: 32251163
- Munro C**, Hope A. Empowering Nurses in 2020, the Year of the Nurse. *American Journal of Critical Care*. 2020 May; 1;29(3):165-167. PMID: 32355976
- Munro C**, Liang Z, Emechebe N, Chen X, Cairns P, Manani P, Hamilton, L, Good G, Kip K. Evaluation of an Automated Digital Scoring System of Dental Plaque. *The Journal of Dental Hygiene*. 2020 April;94(2):27-36. PMID: 32354849
- Hope AA, **Munro C**. Leading Systems Toward Improving Professional Well-being. *American Journal Critical Care*. 2020 Mar 1;29(2):84-86. PMID: 32114619
- Elías MN, **Munro C**, Liang Z. Sleep Quality Associated with Motor Function among Older Adult Survivors of Critical Illness. *Nurs Res*. 2020 Jan 15. PMID: 31972850
- Munro C**, Hope AA. Healthy Work Environment: Resolutions for 2020. *American Journal of Critical Care*. 2020 Jan 1;29(1):4-6. PMID: 31968090
- Blair L, Pickler R, Gugiu P, Ford J, **Munro C**, Anderson C. Genetic Risk Factors for Poor Cognitive Development in Children With Low Birth Weight. *Biol Res Nurs*. 2020 Jan;22(1):5-12. PMID: 31409118
- Cairns P, Buck H, Kip K, Rodriguez C, Liang Z, **Munro C**. Stress Management Intervention to Prevent Post-Intensive Care Syndrome-Family in Patients' Spouses. *American Journal of Critical Care*. 2019 Nov;28(6):471-476. PMID: 31676522
- Hope A, **Munro C**. Understanding and Improving Critical Care Survivorship. *American Journal of Critical Care*. 2019 Nov;28(6):410-412. PMID: 31676513
- González-Mercado V, Sarkar A, Penedo F, Pérez-Santiago J, McMillan S, Marrero S, Marrero-Falcón M, **Munro C**. Gut microbiota perturbation is associated with acute sleep disturbance among rectal cancer patients. *J Sleep Res*. 2019 Oct. PMID: 31599472
- Mulkey, M. A., Hardin, S., Olson, D., **Munro, C.**, & Everhart, D.E. Considering Causes for Hypoactive Delirium. *Australian Journal of Neuroscience Nursing*. 2019. doi: 10.21307/ajon-2017-015
- Mulkey MA, Everhart ED, **Munro CL**, Hardin SR, Olson DM. Non-pharmacologic nursing interventions to reduce delirium risk and promote quality sleep. *Philippine Journal of Nursing*. 2019 89(1):66-71.
- Mulkey M, Hardin R, **Munro C**, Everhart D, Kim S, Schoemann A, Olson D. Methods of identifying delirium: A research protocol. *Res Nurs Health*. 2019 Aug;42(4):246-255. PMID: 31148216
- Clochesy JM, Visovsky C ; **Munro CL**. Preparing nurses for faculty roles: The Institute for Faculty Recruitment, Retention and Mentoring (INFORM). *Nurse Education Today*. 2019 May;79:63-66. Epub 2019 May 10. PubMed PMID: 31103842.
- Mulkey MA, Hardin SR, Olson DM, **Munro CL**, Everhart E. Considering Causes for Hypoactive Delirium. *Australasian Journal of Neuroscience*. 2019 Mar;29,(1):9-16.
- Grap MJ, Schubert CM, **Munro CL**, Wetzel PA, Burk RS, Lucas V, Pepperl A. OR Time and Sacral Pressure Injuries in Critically Ill Surgical Patients. *AORN J*. 2019 Feb;109(2):229-239. PubMed PMID: 30694547.
- Elías MN, **Munro CL**, Liang Z, Calero K, Ji M. Sleep and Intensive Care Unit-Acquired Weakness in Critically Ill Older Adults. *Dimens Crit Care Nurs*. 2019

- Jan/Feb;38(1):20-28. Review. PubMed PMID:30499789.
- Munro CL**, Liang Z, Cairns P, Hamilton L, Chen X, Kip K. Optimal frequency of tooth brushing in mechanically ventilated adults: Study protocol for a randomized controlled trial. *Res Nurs Health*. 2018 Dec;41(6):511-518. Epub 2018 Oct 3. PubMed PMID: 30281813.
- Mulkey MA, Hardin SR, Olson DM, **Munro CL**. Pathophysiology Review: Seven Neurotransmitters Associated With Delirium. *Clin Nurse Spec*. 2018 Jul/Aug;32(4):195-211. Review. PubMed PMID: 29878931.
- Grap MJ, **Munro CL**, Schubert CM, Wetzel PA, Burk RS, Pepperl A, Lucas V. Lack of Association of High Backrest With Sacral Tissue Changes in Adults Receiving Mechanical Ventilation. *American Journal of Critical Care*. 2018 Mar;27(2):104-113. PubMed PMID: 29496766.
- Burk RS, Grap MJ, Lucas V, **Munro CL**, Wetzel PA, Schubert CM. High-Frequency Ultrasound: Obtaining Optimal Images and the Effect of Image Artifacts on Image Quality. *Advances in Wound Care (New Rochelle)*. 2017 Nov 1;6(11):383-391. PubMed PMID: 29098114; PubMed Central PMCID: PMC5665098.
- Grap MJ, Schubert CM, Burk RS, Lucas V, Wetzel PA, Pepperl A, **Munro CL**. High frequency ultrasound sacral images in the critically ill: Tissue characteristics versus visual evaluation. *Intensive and Critical Care Nursing*. 2017 Oct;42:62-67. PubMed PMID: 28274684.
- Munro CL**, Cairns P, Ji M, Calero K, Anderson WM, Liang Z. Delirium prevention in critically ill adults through an automated reorientation intervention – A pilot randomized controlled trial. *Heart & Lung*. 2017 Jul - Aug;46(4):234-238. PubMed PMID: 28606450.
- Denny J, **Munro CL**. Chlorhexidine Bathing Effects on Health-Care-Associated Infections. *Biological Research for Nursing*. 2017 Mar;19(2):123-136. PubMed PMID: 27306279.
- Grap MJ, **Munro CL**, Wetzel PA, Schubert CM, Pepperl A, Burk RS, Lucas V. Tissue interface pressure and skin integrity in critically ill, mechanically ventilated patients. *Intensive and Critical Care Nursing*. 2017 Feb;38:1-9. PubMed PMID: 27836262.
- Hsu PC, Yolken RH, Postolache TT, Beckie TM, **Munro CL**, Groer MW. Association of Depressed Mood With Herpes Simplex Virus-2 Immunoglobulin-G Levels in Pregnancy. *Psychosomatic Medicine*. 2016 Oct;78(8):966-972. PubMed PMID: 27490851; PubMed Central PMCID: PMC5067962.
- Grap MJ, **Munro CL**, Gardner M. An Oral Care Survey for Critically Ill Patients. *Nursing Critical Care*. 2016 March; 11(2): 30-34.
- Grap MJ, **Munro CL**, Wetzel PA, Schubert CM, Pepperl A, Burk RS, Lucas V. Backrest Elevation and Tissue Interface Pressure by Anatomical Location During Mechanical Ventilation. *American Journal of Critical Care*. 2016 May;25(3):e56-63. PubMed PMID: 27134239.
- Grap MJ, **Munro CL**, Wetzel PA, Ketchum JM, Ketchum JS 3rd, Anderson WL, Best AM, Hamilton VA, Arief NY, Burk R, Bottoms T, Sessler CN. Stimulation of Critically Ill Patients: Relationship to Sedation. *American Journal of Critical Care*. 2016 May;25(3):e48-55. PubMed PMID: 27134238.
- Grap MJ, Burk RS, Lucas V, **Munro CL**, Wetzel PA, Schubert CM. Use of high frequency ultrasound to detect changes in skin integrity: An image evaluation validation

- procedure. *Intensive and Critical Care Nursing*. 2015 Jun;31(3):141-7. PubMed PMID: 25439140; PubMed Central PMCID: PMC4400186.
- Munro CL**. Individual genetic and genomic variation: a new opportunity for personalized nursing interventions. *Journal of Advanced Nursing*. 2015 Jan;71(1):35-41. Epub 2014 Oct 9. PubMed PMID: 25296986.
- Munro CL**, Grap MJ, Sessler CN, Elswick RK Jr, Mangar D, Karlinski-Everall R, Cairns P. Pre-Intubation application of oral chlorhexidine does not provide additional benefit in prevention of early onset ventilator-associated pneumonia. *Chest*. 2015 Feb;147(2):328-34. PMID: 25317722
- Szabo CM, Grap MJ, **Munro CL**, Starkweather A, Merchant RE. The effect of oral care on intracranial pressure in critically ill adults. *Journal of Neuroscience Nursing*. 2014 Dec;46(6):321-9. PubMed PMID: 25285596.
- Angus DC, Deutschman CS, Hall JB, Wilson KC, **Munro CL**, Hill NS. Choosing wisely(®) in critical care: maximizing value in the intensive care unit. Simultaneous publication in *American Journal of Critical Care*. 2014 Nov;23(6):444-6. PubMed PMID: 25362666; *Critical Care Medicine*. 2014 Nov;42(11):2437-8; and *Chest*. 2014 Nov;146(5):1142-4.
- Burk RS, Grap MJ, **Munro CL**, Schubert CM, Sessler CN. Predictors of agitation in critically ill adults. *American Journal of Critical Care*. 2014 Sep;23(5):414-23. PubMed PMID: 25179037.
- Burk RS, Grap MJ, **Munro CL**, Schubert CM, Sessler CN. Agitation onset, frequency, and associated temporal factors in critically ill adults. *American Journal of Critical Care*. 2014 Jul;23(4):296-304. PubMed PMID: 24986170.
- Munro CL**. Oral health: something to smile about! *American Journal of Critical Care*. 2014 Jul;23(4):282-8; quiz 289. PubMed PMID: 24986168.
- Mellott KG, Grap MJ, **Munro CL**, Sessler CN, Wetzel PA, Nilsestuen JO, Ketchum JM. Patient ventilator asynchrony in critically ill adults: Frequency and types. *Heart and Lung*. 2014 May-Jun;43(3):231-43. PubMed PMID: 24794784.
- O'Neal PV, Grap MJ, **Munro CL**, Sessler CN, Elswick RK Jr, Sinks SZ. [Subglottic secretion volume and viscosity: effect of systemic volume and oral hydration](#). *Dynamics*. 2014 Spring;25(1):19-25. PMID: 24716391.
- Grap MJ, **Munro CL**, Wetzel PA, Ketchum JM, Hamilton VA, Sessler CN. Responses to noxious stimuli in sedated mechanically ventilated adults. *Heart and Lung*. 2014 Jan-Feb;43(1):6-12. Epub 2013 Oct 25. PubMed PMID: 24239298; PubMed Central PMCID: PMC3907191.
- Chandler, R, Anstey, EH, **Munro, CL**, & Morrison-Beedy, D. (2013). Experiencing audio recorded research (EARR): Giving voice to qualitative poster presentations. *The Qualitative Report*, 18(How To 3), 1-9. Retrieved from <http://www.nova.edu/ssss/QR/QR18/chandler3.pdf>
- Rahu MA, Grap MJ, Cohn JF, **Munro CL**, Lyon DE, Sessler CN. Facial Expression as an Indicator of Pain in Critically Ill Intubated Adults During Endotracheal Suctioning. *American Journal of Critical Care*. 2013 Sep;22(5):412-422. PubMed PMID: 23996421.
- Graves BT, **Munro CL**. Epigenetics in critical illness: A new frontier. *Nursing Research and Practice*, Volume 2013 (2013), Article ID 503686, 5 pages. <http://dx.doi.org/10.1155/2013/503686>

- Trihn M, Ge X, Dobson A, Kitten T, **Munro CL**, Xu P. Two-component system response regulators involved in virulence of *Streptococcus pneumoniae* TIGR4 in infective endocarditis. *PLoS One*. 2013;8(1):e54320. PubMed PMID: 23342132; PubMed Central PMCID: PMC3546988.
- Athilingam P, **Munro C**, D'Aoust RF, Karch AM, Chen L. Cognitive protection by angiotensin converting enzyme in heart failure. *International Journal of Nursing Science*. 2012, 2(3):14-22.
- Tubbs-Cooley HL, **Munro CL**, Pickler RH. Issues in research integrity: deciding what is mine, yours, and ours. *Journal of Pediatric Health Care*. 2012 Sep;26(5):370-3. PubMed PMID: 22920778.
- Ameringer S, **Munro C**, Elswick RK. Assessing agreement between salivary alpha amylase levels collected by passive drool and eluted filter paper in adolescents with cancer. *Oncology Nursing Forum*. 2012 Jul 1;39(4):E317-23. PubMed PMID: 22750901.
- Grap MJ, **Munro CL**, Wetzel PA, Best AM, Ketchum JM, Hamilton VA, Arief NY, Pickler R, Sessler CN. Sedation in adults receiving mechanical ventilation: physiological and comfort outcomes. *American Journal of Critical Care*. 2012 May;21(3):e53-63; quiz e64. PubMed PMID: 22549581.
- Williamson S, **Munro C**, Pickler R, Grap MJ, Elswick RK Jr. Comparison of biomarkers in blood and saliva in healthy adults. *Nursing Research and Practice*. 2012;2012:246178. Epub 2012 Apr 30. PubMed PMID: 22619709; PubMed Central PMCID: PMC3350846.
- Kitten T, **Munro CL**, Zollar NQ, Lee SP, Patel RD. Oral streptococcal bacteremia in hospitalized patients: taxonomic identification and clinical characterization. *Journal of Clinical Microbiology*. 2012 Mar;50(3):1039-42. Epub 2011 Dec 21. PubMed PMID: 22189124; PubMed Central PMCID: PMC3295135.
- Frazelle MR, **Munro CL**. Toothbrush contamination: a review of the literature. *Nursing Research and Practice*. 2012;2012:420630. Epub 2012 Jan 24. PubMed PMID: 22315679; PubMed Central PMCID: PMC3270454.
- Callahan JE, **Munro CL**, Kitten T. The *Streptococcus sanguinis* Competence Regulon Is Not Required for Infective Endocarditis Virulence in a Rabbit Model. *PLoS One*. 2011 6(10):e26403. Epub 2011 Oct 19. PubMed PMID: 22039480; PubMed Central PMCID: PMC3198404.
- Jones DJ, **Munro CL**, Grap MJ. Natural history of dental plaque accumulation in mechanically ventilated adults: A descriptive correlational study. *Intensive and Critical Care Nursing*. 2011 Dec;27(6):299-304. Epub 2011 Oct 19. PubMed PMID: 22014582; PubMed Central PMCID: PMC3234113.
- Lyon DE, McCain NL, Pickler RH, **Munro C**, Elswick RK Jr. Advancing the biobehavioral research of fatigue with genetics and genomics. *Journal of Nursing Scholarship*. 2011 Sep;43(3):274-81. Epub 2011 Jul 29. PubMed PMID: 21884373.
- Grap MJ, **Munro CL**, Hamilton VA, Elswick RK Jr, Sessler CN, Ward KR. Early, single chlorhexidine application reduces ventilator-associated pneumonia in trauma patients. *Heart and Lung: The Journal of Acute and Critical Care*. 2011 Sep-Oct;40(5):e115-22. Epub 2011 Mar 16. PubMed PMID: 21411151.
- Lyon D, Walter J, **Munro CL**, Schubert CM, McCain NL. Challenges in interpreting cytokine biomarkers in biobehavioral research: a breast cancer exemplar. *Biological Research for Nursing*. 2011 Jan;13(1):25-31. PubMed PMID: 21199813.

- Grap MJ, **Munro CL**, Unoki T, Hamilton VA, Ward KR. Ventilator Associated Pneumonia: The Potential Critical Role of Emergency Medicine in Prevention, *The Journal of Emergency Medicine*, 2012 Mar;42(3):353-62. Epub 2010 Aug 8. PubMed PMID: 20692786.
- Jones DJ, **Munro CL**, Grap MJ, Kitten T, Edmond M. Oral care and bacteremia risk in mechanically ventilated adults. *Heart and Lung: The Journal of Acute and Critical Care*. 2010 Nov-Dec;39(6 Suppl):S57-65. Epub 2010 Jul 3. PubMed PMID: 20598375; PubMed Central PMCID: PMC2995009.
- Ge X, Kitten T, **Munro CL**, Conrad DH, Xu P. Pooled protein immunization for identification of cell surface antigens in *Streptococcus sanguinis*. *PLoS ONE*. 2010 Jul 26;5(7):e11666. PubMed PMID: 20668678; PubMed Central PMCID: PMC2909906.
- Mellott KG, Grap MJ, **Munro CL**, Sessler CN, Wetzel PA. Patient-ventilator dyssynchrony: clinical significance and implications for practice. *Critical Care Nurse*. 2009 Dec;29(6):41-55 quiz 1 p following 55. Epub 2009 Sep 1. PubMed PMID: 19724065.
- Turner LS, Kanamoto T, Unoki T, **Munro CL**, Wu H, Kitten T. Comprehensive evaluation of *Streptococcus sanguinis* cell wall-anchored proteins in early infective endocarditis. *Infection and Immunity*. 2009 Nov;77(11):4966-75. Epub 2009 Aug 24. PubMed PMID: 19703977; PubMed Central PMCID: PMC2772543.
- Zavertnik JE, Huff TA, **Munro CL**. Innovative Approach to Teaching Communication Skills to Nursing Students. *Journal of Nursing Education*. 2009 Oct 9:1-7. [Epub ahead of print] PubMed PMID: 19810670.
- Munro CL**, Grap MJ, Jones DJ, McClish DK, Sessler CN. Chlorhexidine, toothbrushing, and preventing ventilator-associated pneumonia in critically ill adults. *American Journal of Critical Care*. 2009 Sep;18(5):428-37; quiz 438. PubMed PMID: 19723863.
- Jablonski RA, Swecker T, **Munro C**, Grap MJ, Ligon M. Measuring the oral health of nursing home elders. *Clinical Nursing Research*. 2009 Aug;18(3):200-17. Epub 2009 Apr 22. PubMed PMID: 19386817.
- Turner LS, Das S, Kanamoto T, **Munro CL**, Kitten T. Development of genetic tools for in vivo virulence analysis of *Streptococcus sanguinis*. *Microbiology*. 2009 Aug;155(Pt 8):2573-82. Epub 2009 May 7. PubMed PMID: 19423626; PubMed Central PMCID: PMC2830871.
- Das S, Kanamoto T, Ge X, Xu P, Unoki T, **Munro CL**, Kitten T. Contribution of lipoproteins and lipoprotein processing to endocarditis virulence in *Streptococcus sanguinis*. *Journal of Bacteriology*. 2009 Jul;191(13):4166-79. Epub 2009 Apr 24. PubMed PMID: 19395487; PubMed Central PMCID: PMC2698512.
- Jablonski RA, **Munro CL**, Grap MJ, Schubert CM, Ligon M, Spigelmyer P. Mouth care in nursing homes: knowledge, beliefs, and practices of nursing assistants. *Geriatric Nursing*. 2009 Mar-Apr;30(2):99-107. Epub 2008 Nov 17. PubMed PMID: 19345849.
- Unoki T, Grap MJ, Sessler CN, Best AM, Wetzel P, Hamilton A, Mellott KG, **Munro CL**. Autonomic nervous system function and depth of sedation in adults receiving mechanical ventilation. *American Journal of Critical Care*. 2009 Jan;18(1):42-50; quiz 51. PubMed PMID: 19116404.
- Ge X, Kitten T, Chen Z, Lee SP, **Munro CL**, Xu P. Identification of *Streptococcus sanguinis* genes required for biofilm formation and examination of their role in endocarditis virulence. *Infection and Immunity*. 2008 Jun;76(6):2551-9. Epub 2008 Apr 7. PubMed PMID: 18390999; PubMed Central PMCID: PMC2423065.

- Tang G, Kitten T, **Munro CL**, Wellman GC, Mintz KP. EmaA, a potential virulence determinant of *Aggregatibacter actinomycetemcomitans* in infective endocarditis. *Infection and Immunity*. 2008 Jun;76(6):2316-24. Epub 2008 Mar 17. PubMed PMID: 18347033; PubMed Central PMCID: PMC2423096.
- Jones DJ, **Munro CL**. Oral care and the risk of bloodstream infections in mechanically ventilated adults: A review. *Intensive and Critical Care Nursing*. 2008 Jun;24(3):152-61. Epub 2008 Apr 9. Review. PubMed PMID: 18403205; PubMed Central PMCID: PMC2753259.
- O'Neal PV, **Munro CL**, Grap MJ, Rausch SM. Subglottic secretion viscosity and evacuation efficiency. *Biological Research for Nursing*. 2007 Jan;8(3):202-9. PubMed PMID: 17172319.
- Munro CL**, Grap MJ, Elswick RK Jr, McKinney J, Sessler CN, Hummel RS 3rd. Oral health status and development of ventilator-associated pneumonia: a descriptive study. *American Journal of Critical Care*. 2006 Sep;15(5):453-60. PubMed PMID: 16926366.
- Munro CL**, Grap MJ, Jablonski R, Boyle A. Oral health measurement in nursing research: state of the science. *Biological Research for Nursing*. 2006 Jul;8(1):35-42. Review. PubMed PMID: 16766627; PubMed Central PMCID: PMC2213421.
- Bearman GM, **Munro C**, Sessler CN, Wenzel RP. Infection control and the prevention of nosocomial infections in the intensive care unit. *Seminars in Respiratory and Critical Care Medicine*. 2006 Jun;27(3):310-24. Review. PubMed PMID: 16791763.
- Grap MJ, Pickler RH, **Munro C**. Observation of behavior in sedated, mechanically ventilated children. *Pediatric Nursing*. 2006 May-Jun;32(3):216-20. PubMed PMID: 16802678.
- Paik S, Senty L, Das S, Noe JC, **Munro CL**, Kitten T. Identification of virulence determinants for endocarditis in *Streptococcus sanguinis* by signature-tagged mutagenesis. *Infection and Immunity*. 2005 Sep;73(9):6064-74. PubMed PMID:16113327; PubMed Central PMCID: PMC1231064.
- Grap MJ, **Munro CL**, Hummel RS 3rd, Elswick RK Jr, McKinney JL, Sessler CN. Effect of backrest elevation on the development of ventilator-associated pneumonia. *American Journal of Critical Care*. 2005 Jul;14(4):325-32; quiz 333. PubMed PMID: 15980424.
- Jablonski RA, **Munro CL**, Grap MJ, Elswick RK. The role of biobehavioral, environmental, and social forces on oral health disparities in frail and functionally dependent nursing home elders. *Biological Research for Nursing*. 2005 Jul;7(1):75-82. Review. PubMed PMID: 15920005.
- Grap MJ, **Munro CL**. Quality improvement in backrest elevation: improving outcomes in critical care. *AACN Clinical Issues*. 2005 Apr-Jun;16(2):133-9. Review. PubMed PMID: 15876880.
- Grap MJ, Borchers CT, **Munro CL**, Elswick RK Jr, Sessler CN. Actigraphy in the critically ill: correlation with activity, agitation, and sedation. *American Journal of Critical Care*. 2005 Jan;14(1):52-60. PubMed PMID: 15608109.
- Grap MJ, **Munro CL**. Preventing ventilator-associated pneumonia: evidence-based care. *Critical Care Nursing Clinics of North America*. 2004 Sep;16(3):349-58, viii. Review PubMed PMID: 15358383.
- Grap MJ, **Munro CL**, Elswick RK Jr, Sessler CN, Ward KR. Duration of action of a single, early oral application of chlorhexidine on oral microbial flora in mechanically ventilated patients: a pilot study. *Heart and Lung: The Journal of Acute and Critical Care*. 2004



- Mar-Apr;33(2):83-91. PubMed PMID: 15024373.
- Munro CL**, Grap MJ. Oral health and care in the intensive care unit: state of the science. *American Journal of Critical Care*. 2004 Jan;13(1):25-33; discussion 34. Review. PubMed PMID: 14735645.
- Paik S, Brown A, **Munro CL**, Cornelissen CN, Kitten T. The sloABCR operon of *Streptococcus mutans* encodes an Mn and Fe transport system required for endocarditis virulence and its Mn-dependent repressor. *Journal of Bacteriology*. 2003 Oct;185(20):5967-75. PubMed PMID: 14526007; PubMed Central PMCID: PMC225050.
- Grap MJ, **Munro CL**. Subject recruitment in critical care nursing research: a complex task in a complex environment. *Heart and Lung: The Journal of Acute and Critical Care*. 2003 May-Jun;32(3):162-8. PubMed PMID: 12827101.
- Grap MJ, **Munro CL**, Bryant S, Ashtiani B. Predictors of backrest elevation in critical care. *Intensive and Critical Care Nursing*. 2003 Apr;19(2):68-74. PubMed PMID: 12706732.
- McCain NL, Munjas BA, **Munro CL**, Elswick RK Jr, Robins JL, Ferreira-Gonzalez A, Baliko B, Kaplowitz LG, Fisher EJ, Garrett CT, Brigle KE, Kendall LC, Lucas V, Cochran KL. Effects of stress management on PNI-based outcomes in persons with HIV disease. *Research in Nursing and Health*. 2003 Apr;26(2):102-17. PubMed PMID: 12652607; PubMed Central PMCID: PMC2211370.
- Grap MJ, **Munro CL**, Ashtiani B, Bryant S. Oral care interventions in critical care: frequency and documentation. *American Journal of Critical Care*. 2003 Mar;12(2):113-8; discussion 119. PubMed PMID: 12625169.
- Grap MJ, **Munro C**. Research corner. Use of backrest elevation in critical care. *AACN News*, 2003.
- Munro C**, Grap MJ. Research corner. Oral care in the critically ill: myth vs. reality. *AACN News*, 2002; 19(12): 4-5.
- Grap MJ, Blecha T, **Munro C**. A description of patients' report of endotracheal tube discomfort. *Intensive and Critical Care Nursing*. 2002 Aug;18(4):244-9. PubMed PMID: 12470014.
- Dillon A, **Munro CL**, Grap MJ. Nurses' accuracy in estimating backrest elevation. *American Journal of Critical Care*. 2002 Jan;11(1):34-7. PubMed PMID: 11785555.
- O'Neal PV, Brown N, **Munro C**. Physiologic factors contributing to a transition in oral immunity among mechanically ventilated adults. *Biological Research for Nursing*. 2002 Jan;3(3):132-9. Review. PubMed PMID: 12003441.
- Kitten T, **Munro CL**, Wang A, Macrina FL. Vaccination with FimA from *Streptococcus parasanguis* protects rats from endocarditis caused by other viridans streptococci. *Infection and Immunity*. 2002 Jan;70(1):422-5. PubMed PMID: 11748213; PubMed Central PMCID: PMC127623.
- Munro CL**, Grap MJ. Nurses' knowledge and attitudes about antibiotic therapy in critical care. *Intensive and Critical Care Nursing*. 2001 Aug;17(4):213-8. PubMed PMID: 11868729.
- Lyon DE, **Munro C**. Disease severity and symptoms of depression in Black Americans infected with HIV. *Applied Nursing Research*. 2001 Feb;14(1):3-10. PubMed PMID: 11172224.
- Kitten T, **Munro CL**, Michalek SM, Macrina FL. Genetic characterization of a *Streptococcus mutans* Lral family operon and role in virulence. *Infection and Immunity*. 2000

- Aug;68(8):4441-51. PubMed PMID: 10899841; PubMed Central PMCID: PMC98344.
- Hummel R, Grap MJ, Sessler CN, **Munro CL**, Corley M. Continuous measurement of backrest elevation in critical care: a research strategy. *Critical Care Medicine*. 2000 Jul;28(7):2621-5. PubMed PMID: 10921605.
- Fitch JA, **Munro CL**, Glass CA, Pellegrini JM. Oral care in the adult intensive care unit. *American Journal of Critical Care*. 1999 Sep;8(5):314-8. PubMed PMID: 10467468.
- Munro CL**. Implications for nursing of the Human Genome Project. *Neonatal Network*. 1999 Apr;18(3):7-12. Review. PubMed PMID: 10418432.
- Grap MJ, Cantley M, **Munro CL**, Corley MC. Use of backrest elevation in critical care: a pilot study. *American Journal of Critical Care*. 1999 Jan;8(1):475-80. PubMed PMID: 9987545.
- Munro CL**. The rat model of endocarditis. *Methods in Cell Science*. 1998 20: 203-207.
- Grap MJ, **Munro CL**. Ventilator-associated pneumonia: clinical significance and implications for nursing. *Heart and Lung: The Journal of Acute and Critical Care*. 1997 Nov-Dec;26(6):419-29. Review. PubMed PMID: 9431488.
- Thompson N, Pickler RH, **Munro C**, Shotwell J. Contamination in expressed breast milk following breast cleansing. *Journal of Human Lactation*. 1997 Jun;13(2):127-30. PubMed PMID: 9233203.
- Neil JA, **Munro CL**. A comparison of two culturing methods for chronic wounds. *Ostomy and Wound Management*. 1997 Apr;43(3):20-2, 24, 26 passim. PubMed PMID: 9205389.
- Viscount HB, **Munro CL**, Burnette-Curley D, Peterson DL, Macrina FL. Immunization with FimA protects against *Streptococcus parasanguis* endocarditis in rats. *Infection and Immunity*. 1997 Mar;65(3):994-1002. PubMed PMID: 9038308; PubMed Central PMCID: PMC175080.
- Pellegrini JM, Fitch JA, **Munro CL**, Glass CA. Oral hygiene in the intensive care unit: Interdisciplinary approach to oral health. *Journal of Practical Hygiene*, 1997 6(4):15-17.
- Pickler RH, **Munro CL**. Inherited disorders: a genetic primer. *Neonatal Network*. 1996 Dec;15(8):17-21. Review. PubMed PMID: 9035648.
- Munro CL**, Pickler RH. The basis of heredity: a genetic primer. *Neonatal Network*. 1996 Oct;15(7):7-10. Review. PubMed PMID: 9035639.
- White KR, **Munro CL**, Boyle AH. Nursing management of adults who have cystic fibrosis. *Medsurg Nursing*. 1996 Jun;5(3):163-7. Review. PubMed PMID: 8716581.
- Laloi P, **Munro CL**, Jones KR, Macrina FL. Immunologic characteristics of a *Streptococcus mutans* glucosyltransferase B sucrose-binding site peptide-cholera toxin B-subunit chimeric protein. *Infection and Immunity*. 1996 Jan;64(1):28-36. PubMed PMID: 8557352; PubMed Central PMCID: PMC173723.
- Burnette-Curley D, Wells V, Viscount H, **Munro CL**, Fenno JC, Fives-Taylor P, Macrina FL. FimA, a major virulence factor associated with *Streptococcus parasanguis* endocarditis. *Infection and Immunity*. 1995 Dec;63(12):4669-74. PubMed PMID: 7591121; PubMed Central PMCID: PMC173670.
- White KR, **Munro CL**, Pickler RH. Therapeutic implications of recent advances in cystic fibrosis. *MCN: American Journal of Maternal Child Nursing*. 1995 Nov-Dec;20(6):304-8. Review. PubMed PMID: 8551931.
- Munro CL**. The impact of recent advances in microbiology and immunology on perinatal and women's health care. *Journal of Obstetric Gynecologic and Neonatal Nursing*.

- 1995 Jul-Aug;24(6):525-31. Review. PubMed PMID: 7562135.
- Munro CL**, Michalek SM, Macrina FL. Sucrose-derived exopolymers have site-dependent roles in *Streptococcus mutans*-promoted dental decay. *FEMS Microbiology Letters*. 1995 May 15;128(3):327-32. PubMed PMID: 7781982.
- Pickler RH, **Munro CL**. Gene therapy for inherited disorders. *Journal of Pediatric Nursing*. 1995 Feb;10(1):40-7. Review. PubMed PMID: 7891261.
- Macrina FL, **Munro CL**. The case study approach to teaching scientific integrity in nursing and the biomedical sciences. *Journal of Professional Nursing*. 1995 Jan-Feb;11(1):40-4. PubMed PMID: 7844282.
- Pickler RH, **Munro CL**. Blastomere analysis: issues for discussion. *Journal of Obstetric Gynecologic and Neonatal Nursing*. 1994 Jun;23(5):379-82. PubMed PMID: 8083778.
- Munro CL**, Pickler RH. The technology and use of blastomere analysis. *Journal of Obstetric Gynecologic and Neonatal Nursing*. 1994 Mar-Apr;23(3):229-34. Review. PubMed PMID: 8207554.
- Macrina FL, **Munro CL**. Graduate teaching in principles of scientific integrity. *Academic Medicine*. 1993 Dec;68(12):879-86. PubMed PMID: 8259956.
- Wells VD, **Munro CL**, Sulavik MC, Clewell DB, Macrina FL. Infectivity of a glucan synthesis-defective mutant of *Streptococcus gordonii* (*Challis*) in a rat endocarditis model. *FEMS Microbiology Letters*. 1993 Sep 15;112(3):301-5. PubMed PMID: 8224794.
- Munro CL**, Macrina FL. Sucrose-derived exopolysaccharides of *Streptococcus mutans* V403 contribute to infectivity in endocarditis. *Molecular Microbiology*. 1993 Apr;8(1):133-42. PubMed PMID: 8497189.
- Munro C**, Michalek SM, Macrina FL. Cariogenicity of *Streptococcus mutans* V403 glucosyltransferase and fructosyltransferase mutants constructed by allelic exchange. *Infection and Immunity*. 1991 Jul;59(7):2316-23. PubMed PMID: 1828790; PubMed Central PMCID: PMC258013.

## Editorials:

- Munro CL**, Hope AA. AACN's 50th Anniversary: Building on Our Past to Ensure a Bright Future. *American journal of critical care: an official publication, American Association of Critical-Care Nurses*. 2019 May;28(3):166-168. PubMed PMID: 31043394.
- Munro CL**, Hope AA. Conundrums in the Conscientious Use of Current Best Evidence. *Am J Crit Care*. 2019 Mar;28(2):93-95. PubMed PMID: 30824507.
- Savel RH, **Munro CL**. For Better or Worse, We Are All Connected: Contemplating the Stark Reality of Social Media. *Am J Crit Care*. 2018 Nov;27(6):438-440. PubMed PMID: 30385531.
- Munro CL**, Savel RH. Our Voices, Our Strength: The Power of Positive Deviance. *American Journal of Critical Care*. 2018 Sep;27(5):346-348. PubMed PMID:30173165.
- Savel RH, **Munro CL**. The Health of Our Health Care System. *American Journal of Critical Care*. 2018 Jul;27(4):258-260. PubMed PMID: 29961658.
- Munro CL**, Savel RH. Celebratin May-and Nursing! *American Journal of Critical Care*. 2018 May;27(3):168-169. PubMed PMID: 29716901.
- Munro CL**, Savel RH. Aggressive Care AND Palliative Care. *American Journal of Critical Care*. 2018 Mar;27(2):84-86. PubMed PMID: 29496762.

- Savel RH, **Munro CL**. History Is a Tangled Mess: Medical Progress, But at What Cost? *American Journal of Critical Care*. 2018 Jan;27(1):6-8. PubMed PMID: 29292269.
- Savel RH, **Munro CL**. Quiet the Mind: Mindfulness, Meditation, and the Search for Inner Peace. *American Journal of Critical Care*. 2017 Nov;26(6):433-436. PubMed PMID: 29092864.
- Munro CL**, Savel RH. Critical Care Is Guided by Why. *American Journal of Critical Care*. 2017 Sep;26(5):357-358. PubMed PMID: 28864429.
- Munro CL**, Savel RH. Rigor and Reproducibility in Critical Care Research. *American Journal of Critical Care*. 2017 Jul;26(4):265-267. PubMed PMID: 28668907.
- Savel RH, **Munro CL**. Facing Change: When to Embrace, When to Resist. *American Journal of Critical Care*. 2017 May;26(3):178-180. PubMed PMID: 28461536.
- Savel RH, **Munro CL**. Servant Leadership: The Primacy of Service. *American Journal of Critical Care*. 2017 Mar;26(2):97-99. PubMed PMID: 28249859.
- Munro CL**, Savel RH. The Second Time Around. *American Journal of Critical Care*. 2017 Jan;26(1):4-6. PubMed PMID: 27965221.
- Savel RH, **Munro CL**. We Are a Team ... With Room for Improvement. *American Journal of Critical Care*. 2016 Nov;25(6):472-474. PubMed PMID: 27802942.
- Munro CL**, Savel RH. The Promise of Personalized Care in the Intensive Care Unit. *American Journal of Critical Care*. 2016 Sep;25(5):388-90. PubMed PMID: 27587416.
- Savel RH, **Munro CL**. Getting Used To It. *American Journal of Critical Care*. 2016 Jul;25(4):288-90. PubMed PMID: 27369024.
- Munro CL**, Savel RH. Narrowing the 17-Year Research to Practice Gap. *American Journal of Critical Care*. 2016 May;25(3):194-6. PubMed PMID: 27134218.
- Savel RH, **Munro CL**. Emotional Intelligence: For the Leader in Us All. *American Journal of Critical Care*. 2016 Mar;25(2):104-6. PubMed PMID: 26932909.
- Munro CL**, Leveille MH. Disseminating Nursing Research: Message From the President. *Research in Nursing and Health*. 2015 Dec;38(6):420-2. PubMed PMID: 26455590.
- Savel RH, **Munro CL**. Tough and competent. *American Journal of Critical Care*. 2015 Nov;24(6):460-2. PubMed PMID: 26523001.
- Munro CL**, Savel RH. Our View of Courageous Care. *American Journal of Critical Care*. 2015 Sep;24(5):372-4. PubMed PMID: 26330428.
- Munro CL**. Celebrating a Pearl Anniversary: Message From the President. *Research in Nursing and Health*. 2015 Oct;38(5):330-1. PubMed PMID: 26291442.
- Munro CL**, Lefler LL, Bartlett R. Take the shot: Message from the president. *Research in Nursing and Health*. 2015 Aug;38(4):254-6. PubMed PMID: 26110976.
- Savel RH, **Munro CL**. Moral Distress, Moral Courage. *American Journal of Critical Care*. 2015 Jul;24(4):276-8. PubMed PMID: 26134325.
- Munro CL**, Savel RH. Measles 2015: why public health matters to critical care. *American Journal of Critical Care*. 2015 May;24(3):192-4. PubMed PMID: 25934713.
- Munro CL**, Messmer PR. Six degrees of nursing science: message from the president. *Research in Nursing and Health*. 2015 Jun;38(3):180-2. PubMed PMID: 25919897.
- Munro CL**. Leaders needed! Message from the president. *Research in Nursing and Health*. 2015 Apr;38(2):100-1. PubMed PMID: 25739449.
- Savel RH, **Munro CL**. Finding our optimal scope of practice. *American Journal of Critical Care*. 2015 Mar;24(2):104-6. PubMed PMID: 25727268.
- Munro CL**. The power of philanthropy: Message from the president. *Research in Nursing*

- and Health*. 2015 Feb;38(1):4-5. PubMed PMID: 25529002.
- Munro CL**, Savel RH. Viral outbreaks in an age of global citizenship. *American Journal of Critical Care*. 2015 Jan;24(1):4-6. PubMed PMID: 25554547.
- Munro CL**, Leveille MH. Something old, something new: Message from the president. *Research in Nursing and Health*. 2014 Dec;37(6):452-3. PubMed PMID: 25308284.
- Savel RH, **Munro CL**. From Asclepius to Hippocrates: The art and science of healing. *American Journal of Critical Care*. 2014 Nov;23(6):437-9. PubMed PMID: 25362664.
- Munro CL**, Bartlett R, Davis SP. Continuous engagement: Message from the president. *Research in Nursing and Health*. 2014 Oct;37(5):356-7. PubMed PMID: 25155897.
- Munro CL**, Savel RH. Capitalizing on transactive knowledge in the ICU. *American Journal of Critical Care*. 2014 Sep;23(5):359-61. PubMed PMID: 25179029.
- Munro CL**. Recognizing excellence. *Research in Nursing and Health*. 2014 Aug;37(4):265-6. PubMed PMID: 24988992.
- Savel RH, **Munro CL**. The importance of spirituality in patient-centered care. *American Journal of Critical Care*. 2014 Jul;23(4):276-8. PubMed PMID: 24986166.
- Munro CL**. Success in the garden-and in research: Message from the president. *Research in Nursing and Health*. 2014 Jun;37(3):182-3. PubMed PMID: 24797713.
- Munro CL**, Savel RH. Balancing act: optimal care in the real world. *American Journal of Critical Care*. 2014 May;23(3):184-6. PubMed PMID: 24786804.
- Munro CL**. Message from the president: making the most of conferences. *Research in Nursing and Health*. 2014 Apr;37(2):88-9. PMID:24615686.
- Savel RH, **Munro CL**. Current state of health care reform: dysfunctional government, divided country. *American Journal of Critical Care*. 2014 Mar;23(2):100-2. PubMed PMID: 24585157.
- Munro CL**, Savel RH. Stepping forward in practice through research. *American Journal of Critical Care*. 2014 Jan;23(1):4-6. PubMed PMID: 24382608.
- Savel RH, **Munro CL**. Promise and pitfalls of the electronic health record. *American Journal of Critical Care*. 2013 Nov;22(6):460-2. PubMed PMID: 24186811.
- Munro CL**, Savel RH. Avoiding the critical care nursing brain drain. *American Journal of Critical Care*. 2013 Sep;22(5):372-4. PubMed PMID: 23996415.
- Savel RH, **Munro CL**. Conflict management in the intensive care unit. *American Journal of Critical Care*. 2013 Jul; 22(4):277-80. PubMed PMID: 23817813.
- Munro CL**, Savel RH. Publish (high-quality evidence for clinical practice) or (patients may) perish. *American Journal of Critical Care*, 2013 May; 22(3): 182-4. PubMed PMID: 23635926.
- Savel RH, **Munro CL**. How much care is too much care? *American Journal of Critical Care*. 2013 Mar;22(2):86-8. PubMed PMID: 23455855.
- Munro CL**, Savel RH. Communicating and connecting with patients and their families. *American Journal of Critical Care*. 2013 Jan;22(1):4-6. PubMed PMID: 23283082.
- Savel RH, **Munro CL**. Awakening (mis)conceptions about brain death. *American Journal of Critical Care*. 2012 Nov;21(6):377-9. PubMed PMID: 23117900.
- Munro CL**, Savel RH. What you call it does matter: new definitions of ARDS and VAP. *American Journal of Critical Care*. 2012 Sep;21(5):305-7. PubMed PMID: 22941698.
- Munro CL**, Savel RH. Nursing unleashed. *American Journal of Critical Care*. 2012 Jul;21(4):222-4. PubMed PMID: 22751363.
- Savel RH, **Munro CL**. On being a critical care nurse: an informal survey. *American Journal of*

- Critical Care*. 2012 May;21(3):146-8. PubMed PMID: 22549567.
- Savel RH, **Munro CL**. Evidence-based backlash: the tale of drotrecogin alfa. *American Journal of Critical Care*. 2012 Mar;21(2):81-3. PubMed PMID: 22381983.
- Munro CL**, Savel RH. Advancing critical care through interdisciplinary research. *American Journal of Critical Care*. 2012 Jan;21(1):5-7. PubMed PMID 22210692.
- Savel RH, **Munro CL**. The essence of nursing. *American Journal of Critical Care*. 2011 Nov;20(6):418-20. PubMed PMID: 22045129
- Munro CL**, Savel RH. September 2011: a time to remember and prepare. *American Journal of Critical Care*. 2011 Sep;20(5):356-8. PubMed PMID: 21885455.
- Savel RH, **Munro CL**. Scalpel, stethoscope, iPad: the future is now in the intensive care unit. *American Journal of Critical Care*. 2011 Jul;20(4):275-7. PubMed PMID: 21724630.
- Munro CL**, Savel RH. Critical Care and the Future of Nursing. *American Journal of Critical Care*. 2011 May;20(3):188-190. PubMed PMID: 21532038
- Savel RH, **Munro CL**. Clarifying complex relationships to improve outcomes after cardiac surgery. *American Journal of Critical Care*. 2011 Mar;20(2):94-7. PubMed PMID: 21362713.
- Munro CL**, Savel RH. Adventures in Neverland: challenges and alternatives. *American Journal of Critical Care*. 2011 Jan;20(1):6-8. PubMed PMID: 21196565.
- Munro CL**. The medium and the message: opportunities and challenges. *American Journal of Critical Care*. 2010 Sep;19(5):400-2. PubMed PMID: 20810410.
- Munro CL**. The "lady with the lamp" illuminates critical care today. *American Journal of Critical Care*. 2010 Jul;19(4):315-7. PubMed PMID: 20595212.
- Munro CL**. Running the maze and walking the labyrinth. *American Journal of Critical Care*. 2010 May;19(3):208-10. PubMed PMID: 20436060.
- Munro CL**. Uncertainties on the frontier: rescue therapy in pandemic influenza. *American Journal of Critical Care*. 2010 Mar;19(2):104-7. PubMed PMID: 20194604.
- Munro CL**. A resolution for 2010: ring in the true. *American Journal of Critical Care*. 2010 Jan;19(1):12-4. PubMed PMID: 20045843.
- Morris PE, **Munro CL**. Will comparative effectiveness research increase patient safety in intensive care units? *American Journal of Critical Care*. 2009 Nov;18(6):504-6. PubMed PMID: 19880947.
- Munro CL**, Morris PE. Seasonal influenza: protect your patients by protecting yourself. *American Journal of Critical Care*. 2009 Sep;18(5):396-8. PubMed PMID: 19723851.
- Morris PE, **Munro CL**. All ICUs are not created equal: evaluating pilot studies performed in different environments. *American Journal of Critical Care*. 2009 Jul;18(4):294-7. PubMed PMID: 19556406.
- Munro CL**. Hope and change in critical care. *American Journal of Critical Care*. 2009 May;18(3):188-90. PubMed PMID: 19411575.

### Book Chapters:

- Munro CL**. Writing a Peer Review. In: *Anatomy of Writing for Publication for Nurses*, Saver, C (Ed.), Sigma Theta Tau International, Indianapolis, IN, second edition 2014; third edition 2017.
- Munro CL**, Macrina FL. Science, Technology and Society. In: *Scientific Integrity: Text and Cases in Responsible Conduct of Research 4<sup>th</sup> Edition*, Macrina, FL (Ed.), ASM Press,

Washington, DC, 2014.

- Munro CL.** Common diseases with genetic linkages. In: *Genetics and Genomics for Nursing*, Kenner CA and Lewis JA (Eds.), Prentice Hall, 2012.
- Munro CL.** Conducting Interventions in Acute Care Settings. In: *Intervention Research: Designing, Conducting, Analyzing, and Funding*. Melnyk B and Morrison-Beedy D (Eds.). Springer, 2012.
- Lewis JA, **Munro CL.** Pharmacogenomics. In *Principles and Practice of Pharmacology in Women's Health*, Bruckner MC (Ed.), Jones and Bartlett: Sudbury, MA, first edition 2009; second edition, 2015 (*American Journal of Nursing* “#1 Maternal-Child 2016 Book of the Year”).
- Kleinpell RM, **Munro CL**, Giuliano KK. Targeting Health Care–Associated Infections: Evidence-Based Strategies. In: *Patient Safety and Quality: An Evidence-Based Handbook for Nurses*, Hughes RG (Ed). Agency for Healthcare Research and Quality (US); 2008. PubMed PMID: 21328734.
- Munro CL**, Lewis JA. Data collection with personal digital assistants. In *Internet for Nursing Research*, Fitzpatrick JJ and Montgomery KS (Eds.), Springer, 2004.
- Munro CL.** Human Genome Project: Implications for nursing practice. In *Transforming Health Promotion Practice*, Young LE and Hayes V (Eds.), F.A. Davis, 2001.
- Munro CL.** Genetic technology and scientific integrity. In *Scientific integrity: An introductory text with cases*, Macrina FL (Ed.), American Society for Microbiology, first edition 1995, second edition 1999, third edition 2005.
- Munro CL**, Macrina FL. Molecular pathogenesis of viridans streptococcal endocarditis. In *Molecular Mechanisms of Bacterial Virulence*, Kado CI and Crosa JH (Eds.), Kluwer Academic Publishers, 1994.

### **Published Abstracts:**

- Bello M, Calero K, Anderson WM, **Munro CL**, Cairns PC, Ji M. Delirium in the ICU: does sleep play a role? *SLEEP: Journal of Sleep and Sleep Disorders Research*, 39 (Abstract supplement), A265, 2016.
- Schwaiger E, Prater J, Calero K, **Munro C**, Cairns P, Anderson W, Ji M. Actigraphy assessment of circadian rhythm alterations in the ICU. *Critical Care Medicine*, 44 (12, supplement), 777, 2016.
- Grap MJ, Schubert Kabban C, Lucas V, **Munro C**, Burk R, Wetzel P. Ultrasound scanning for evaluation of skin integrity in the critically ill: procedures for obtaining the best scan. *Critical Care Nurse*, 34 (2), e31, 2014.
- Burk R, **Munro C**, Schubert Kabban C, Grap MJ. Predictors of agitation in critically ill adults, *American Journal of Critical Care*, 23 (3) e30, 2014.
- Grap MJ, Pepperl A, Lucas V, **Munro C**, Schubert Kabban C, Burk R, Wetzel P. Backrest elevation and tissue interface pressure by anatomic location during mechanical ventilation, *American Journal of Critical Care*, 23 (3) e37, 2014.
- Grap MJ, Bataille A, Schubert Kaban C, **Munro C**, Wetzel P. Effect of backrest elevation on tissue interface pressure and pressure ulcer formation during mechanical ventilation. *American Journal of Critical Care*, 22(3) e32, 2013.
- Munro CL**, Elswick RK, Grap MJ, Sessler C. Preintubation chlorhexidine does not reduce endotracheal tube colonization. *American Journal of Critical Care*, 22(3) e42, 2013.

- Munro CL**, Grap MJ, Elswick RK. Diagnostic accuracy of modified CPIS without chest radiographs compared to full CPIS. *Critical Care Medicine*. 40(12):abstract #489, 2012.
- Grap MJ, Ketchum J, **Munro C**. Sedation as a mediator of the stress response during mechanical ventilation. Research Oral Poster Presentation Award Winner. *American Journal of Critical Care*, 21(3) e74, 2012.
- Mellott KG, Grap MJ, **Munro CL**, Sessler CN, Wetzel PA, Nilsestuen JO, Ketchum JM, Devito Dabbs A. Patient ventilator dyssynchrony: Types, frequency and patterns in critically ill adults. *American Journal of Respiratory and Critical Care Medicine*, 183, A3223, 2011.
- Grap MJ, Pickler RH, Ketchum JR, **Munro CL**, Hamilton VA, Wetzel PA, Best AL, Sessler CN, Arief NY. Achieving sedation goals of physiologic stability and comfort at various sedation levels in patients receiving mechanical ventilation. *American Journal of Critical Care*, 19(3), e17, 2010.
- Grap MJ, **Munro CL**, Elswick RK, Sessler CN, Ward KR, Higgins SM. Early, single chlorhexidine application to reduce oral flora and VAP in trauma victims. *American Journal of Critical Care*, 18(3), e6, 2009.
- Jones DL, **Munro CL**, Grap MJ, Kitten T, Edmond M. Risks of bacteremia in the Intensive Care Unit: Does oral care matter? *American Journal of Critical Care*, 17, 292, 2008.
- Munro C**, Grap M, Sessler C, McClish D. Effect of oral care interventions on dental plaque in mechanically ventilated adults. *American Journal of Critical Care*, 16, 309, 2007.
- Unoki T, Grap M, Sessler C, Best A, Wetzel P, Hamilton A, Mellott K, **Munro C**. Autonomic system function during deep and light sedation in mechanically ventilated adults. *American Journal of Critical Care*, 16, 302, 2007.
- Mellott K, Grap M, Hamilton A, Best A, Wetzel P, Sessler C, **Munro C**. The effect of rest and nonrest periods on physiological stability, sedation, and agitation in ventilated patients. *American Journal of Critical Care*, 16, 313, 2007.
- Munro CL**, Grap MJ, McClish D, Sessler CN. Chlorhexidine reduces ventilator associated pneumonia (VAP) in mechanically ventilated ICU adults. *Critical Care Medicine*, 34 (12, Suppl.), A1. 2006.
- Jones D, **Munro C**, Grap M. Natural history of dental plaque accumulation in mechanically ventilated adults. *American Journal of Critical Care*, 15, 335, 2006.
- Mellott K, Grap M, Hamilton A, Best A, Wetzel P, **Munro C**, Sessler C. The relationship of light, sound, and rest periods on sedation, physiologic stability, and movement in patients receiving mechanical ventilation. *American Journal of Critical Care*, 15, 333-334. 2006.
- Munro C**, Grap M, Sessler C, Russell S. Description of enteral feedings in adults receiving mechanical ventilation. *American Journal of Critical Care*, 15, 336, 2006.
- Grap M, Sessler C, Best A, Wetzel P, Hamilton A, Mellott K, **Munro C**. Physiological stability and patients' comfort during varying levels of sedation in adults receiving mechanical ventilation. *American Journal of Critical Care*, 15, 334, 2006.
- Grap M, **Munro C**, Sessler C, Russell S. Progress toward meeting backrest elevation standards in patients treated with mechanical ventilation. *American Journal of Critical Care*, 15, 329-330. 2006.



- Grap MJ, **Munro C**, Hummel RS, Elswick RK, McKinney JL, Sessler CN. Effect of backrest elevation on the development of ventilator associated pneumonia. *Biological Research for Nursing*, 6, 306-307. 2005.
- Munro C**, Grap MJ, Sessler CN, Elswick RK, McKinney JL, Hummel RS. Relationship between oral health and risk of ventilator associated pneumonia. *Biological Research for Nursing*, 6, 315-316. 2005.
- Grap MJ, **Munro CL**, Hummel R, Elswick RK, Sessler C. Backrest Elevation: Effect on VAP. *American Journal of Critical Care*, 11, 281, 2002.
- Grap MJ, **Munro C**, Ashtiani B, Bryant S. Predictors of Level of Backrest Elevation in MRICU, STICU, and NSICU. *American Journal of Critical Care*, 11, 293, 2002.
- Munro CL**, Grap MJ. Subject Recruitment in Critical Care: A Complex Task in a Complex Environment. *American Journal of Critical Care*, 11, 292, 2002.
- Munro C**, Grap MJ, Hummel R, Elswick RK, Sessler C. Oral Health Status: Effect on VAP. *American Journal of Critical Care*, 11, 280, 2002.
- O'Neal PV, Grap MJ, **Munro C**, Sessler C, Minick P. Factors associated with subglottic secretion accumulation and removal among mechanically ventilated adults. *American Journal of Critical Care*, 11, 290, 2002.
- O'Neal PV, Grap MJ, **Munro C**. Suction pressure and evacuation efficiency of subglottic secretions with varying viscosities obtained from mechanically ventilated. *American Journal of Critical Care*, 11, 289, 2002.
- McCain NL, Munjas B, **Munro C**, Elswick RK, Kimball P, Ferreira-Gonzalez A, Kaplowitz L, Fisher E, Garrett C, Brigle K, Kendall L, Lucas V, Robins J. Cytokine patterns, neuroendocrine mediators, and psychosocial variables in HIV disease. *Neuroimmunomodulation*, 6, 236, 1999.
- Munro CL**, Waters HF, Scharer J, Neel N, Caponigro J. Candida carriage, symptomatic oral candidiasis and oral biological markers in persons with HIV. *Journal of Dental Research*, 76 (Special Issue), 438, 1997.
- Munro CL**, Grap MJ. Antibiotic therapy in the ICU: Nurses' Role. Abstracts of the Proceedings of the AACN National Teaching Institute and Critical Care Exposition, 1997.
- Waters HF, **Munro CL**, Neel NL, Scharer JL, Caponigro JM, Blankenship P, Farleigh D, and Ropka ME. Oral health in persons with HIV: Host and microbial factors. Abstracts of the Southern Nursing Research Society 10th Annual Conference. 1996.
- Munro CL** Contributions of glucosyltransferase genes to *Streptococcus mutans* cariogenicity. Proceedings of Fallen Leaf Lake Conference on Bacterial Virulence Mechanisms. 1992.
- Munro CL**, Macrina FL. Virulence of *Streptococcus mutans* in model systems of endocarditis. Abstracts of the 92nd General Meeting of the American Society for Microbiology, 1992.
- Hata S, Schachtele C, **Munro CL**, Macrina FL. Acid diffusion: glucan and a polysaccharide deficient mutant of *Streptococcus mutans*. *Journal of Dental Research*, 71, 130, 1992.
- Munro CL**, Macrina FL. Contribution of *gtfB*, *gtfC*, and *ftf* to *Streptococcus mutans* cariogenicity. *Journal of Dental Research*, 71, 292, 1992.
- Munro CL**, Macrina F. Virulence of *Streptococcus mutans* V403 in the rat model of endocarditis. *Plasmid*, 28, 177, 1991.
- Munro CL**, Macrina FL. *In vitro* fibrin binding of glucosyltransferase and

fructosyltransferase mutants of *Streptococcus mutans*. Proceedings of the 3rd International American Society for Microbiology Conference on Streptococcal Genetics, 1990.

**Munro CL.** Effects of back massage on anxiety level of patients with acute myocardial infarction. Proceedings of the Cleveland Clinic Foundation Fifth Annual Dimensions in Critical Care Nursing Symposium, 1985.

### **Other published works: Technical Report**

Critical Care Societies Collaborative Quality Improvement Task Force (Mauer JR, O'Brien JM, Kahn J, Hyzy RC, Rincin TA, Brock WA, **Munro CL**, Sole ML). Measure Gaps Areas in Critical Care Medicine. Report to National Quality Forum, February 9, 2012.

### **Publication awards**

APEX 2017 Award for Excellence in Editorial and Advocacy Writing for: **Munro CL** & Savel RH. The Promise of Personalized Care in the Intensive Care Unit. *American Journal of Critical Care*. 2016 Sep;25(5):388-90. PubMed PMID: 27587416.

American Society of Healthcare Publication Editors 2016 Best Commentary Silver Award for: Savel RH & **Munro CL**. Moral Distress, Moral Courage. *American Journal of Critical Care*. 2015 Jul;24(4):276-8. PMID: 26134325.

Western Publication Association 2016 MAGGIE Award Winner for Best Signed Editorial or Essay/Trade for: **Munro CL** & Savel RH. Measles 2015: Why public health matters to critical care. *American Journal of Critical Care*. 2015 May;24(3):192-4. PubMed PMID: 25934713.

Western Publication Association 2014 MAGGIE Award Winner for Best Signed Editorial or Essay/Trade for: Savel RH & **Munro CL**. How much care is too much care? *American Journal of Critical Care*. 2013 Mar;22(2):86-8. PubMed PMID: 23455855.

Academy of MEDSURG Nurses 1996 MEDSURG Nursing Writer's Award for: White KR, **Munro CL**, Boyle AH. Nursing management of adults who have cystic fibrosis. *Medsurg Nursing*. 1996 Jun;5(3):163-7. PubMed PMID: 8716581.

### **PROFESSIONAL**

#### **Funded Research Performed:**

**Munro CL**, Ji M, Calero K, Liang Z, McDowell Anderson W. Reorientation Intervention for Delirium in the ICU. Funded by NIH National Institute of Nursing Research R01 NR016702-01, (\$1,951,571 total costs). 12/9/2016 – 11/30/2020.

**Munro CL**, Grap MJ, Carter WH, Sessler C, Elswick RK Jr, Kip K. Oral Care Intervention in Mechanically Ventilated Adults. Funded by NIH National Institute of Nursing Research R01 NR07652, (\$5,330,536 total costs). 04/01/01 – 07/31/18. ClinicalTrials.gov NCT00234598, NCT00893763, and NCT02289131.

Grap MJ, **Munro CL**, Schubert C, Wetzel PA. Effect of Backrest Elevation on Skin Integrity in the Critically Ill. Funded by NIH National Institute of Nursing Research, R01

NR01038, (\$1,434,709 total costs). 09/29/2009 – 07/31/2012.

Pickler RH, Elswick RK, Grap MJ, Lyon D, McCain N, **Munro CL**. NINR Center of Excellence for Biobehavioral Approaches to Symptom Management. Funded by NIH National Institute of Nursing Research P30 NR011403, (\$2,186,274 total costs). 09/29/09 – 07/31/12. Role: Biobehavioral Measurement Core Director.

Xu P, Kitten T, **Munro CL** Regulation of Fitness and Virulence in Oral Streptococci. Funded by NIH National Institute of Dental and Craniofacial Research R01DE018138, (\$1,702,959 total costs). 01/01/08 - 12/31/12.

Grap MJ, **Munro CL**, Sessler CN, Best A, Wetzel P. Sedation Effects in Mechanically Ventilated Patients. Funded by NIH National Institute of Nursing Research R01 NR009506, (\$1,311,208 total costs). 1/1/07-12/31/09.

McCain N, **Munro CL**, Pickler RH, Grap MJ, Elswick RK. Biobehavioral Research in Critical Health Experiences. Funded by NIH NINR Nursing P20 NR008988, (\$1,476,315 total costs). 4/01/04- 3/31-09. Role: Measurement Services Coordinator.

Kitten T, **Munro CL** Streptococcal Virulence Factors in Extra-oral Disease. Funded by NIH National Institute of Allergy and Infectious Diseases R01 AI47841, (\$1,506,501 total costs). 6/01/01-6/30/10.

Grap MJ, **Munro CL**, Elswick RK, Sessler CN, Ward KR, Higgins S. A Peri-intubation Intervention to Reduce Oral Flora and VAP. Funded by U.S. Department of Defense TriService Nursing Research Program MDA-905-03-1-TS02, (\$299,894 direct costs). 08/01/05 – 07/31/07.

Jablonski R, **Munro CL**, Grap MJ, Elswick RK. Improving Oral Care Provided by Nursing Assistants. Funded by NIH National Institute of Dental and Craniofacial Research R21 DE0164664, (\$290,000 total costs). 9/15/04-6/30/06.

Sessler CN, Grap MJ, **Munro CL**, Jefferson D. Anesthesia Recovery in Critical Care (ARC2): Assessing Sedation and Agitation. Funded by Baxter Healthcare. \$15,000 direct costs. 5/04-5/05.

**Munro CL**. Oral Health Status: Effect on Ventilator Associated Pneumonia. Funded by A.D. Williams Committee, Virginia Commonwealth University. \$6480. 1998-2000.

Grap MJ, **Munro CL**, Hummel R. Backrest Position and Oral Health: Effect on VAP. Funded by NIH National Institute of Nursing Research R15 NR04730, (\$101,372 total costs). 6/15/98 - 6/14/01.

Macrina FL, **Munro CL**. Development of a Vaccine to Prevent Streptococcal Endocarditis. Funded by MedImmune, Inc. (\$78,038 direct costs). 1996-2000.

McCain N L, Munjas BA, **Munro CL**, Kimball PM, Elswick RK, Kaplowitz LG. PNI-based Stress Management Interventions in HIV Disease. Funded by NIH National Institute of Nursing Research R01. \$1,034,846 total costs). 1996-2000.

Waters HF, **Munro CL**. Oral Health in Persons with HIV: Host and Microbial Factors. Funded by VCU School of Nursing and HIV/AIDS Center of VCU. \$7,144. 1994-1998.

Fitch JA, **Munro CL**, Glass CA, Caponigro JM. Oral Care in the Adult Intensive Care Unit. Funded by Doris B. Yingling Award 1995. \$1000. Also sponsored by Laclede Corporation and Oral-B. 1994-1998.

McCain NL, Munjas BA, **Munro CL**, Burton GF, Kaplowitz LG. Pilot Studies for Stress Management Interventions among Persons with HIV Disease. Funded by A. D. Williams Committee, Virginia Commonwealth University. \$10,720. 1995-1996.

**Munro CL**. Interactions of Individuals with *viridans streptococci* in Development of

Endocarditis. Funded by A.D. Williams Committee, Virginia Commonwealth University. \$7310. 1992-1993.

**Munro CL.** Exopolymers: Virulence Factors in *S. mutans* Endocarditis. Funded by NIH National Center for Nursing Research Predoctoral Fellowship, F31 NR06498. \$38,100. 1989-1992.

### **Funded Student Research:**

Cairns P (**Munro CL**, faculty sponsor) Prevention of Post ICU Syndrome – Family (PICS-F) with SAF – T Intervention funded by the Sigma Theta Tau International Honor Society of Nursing, Delta Beta-at-Large Chapter, 2016-2017.

**Munro CL.** Jonas Nurse Leader Scholars Program. Funded by Jonas Center for Nursing Excellence (AACN)

2016-18 cohort, \$30,000 support for three PhD Scholars

2014-16 cohort, \$20,000 support for two PhD Scholars

2012-14 cohort, \$10,000 support for one PhD Scholar

**Munro CL.** Jonas Veterans Healthcare Program. Funded by Jonas Center for Nursing Excellence (AACN).

2016-18 cohort, \$30,000 support for 3 doctoral students (1 PhD, 2 DNP)

2014-16 cohort, \$40,000 support for 4 doctoral scholars (2 DNP, 2 PhD)

2012-14 cohort, \$30,000 support for 3 doctoral scholars (2 DNP, 1 PhD)

Frazelle M (**Munro CL**, faculty sponsor). Healthcare-acquired Infection Risk and Toothbrush Contamination in the ICU. Funded by NIH National Center for Nursing Research Predoctoral Fellowship, F31NR012340, 2010-2012.

Montpetit A (Grap MJ and **Munro CL**, faculty sponsors). Exhaled Biomarkers of Pulmonary Infection in the Critically Ill. Funded by NIH National Center for Nursing Research K99NR012016, 2010-2012 (R00 2012-2015).

Gregory K (**Munro CL**, consultant). Biochemical Predictors of Necrotizing Enterocolitis Funded by NIH National Center for Nursing Research K23NR011320, 2009-2012.

Luciano G (Douglas S., faculty sponsor Case Western Reserve, **Munro CL**, consultant). Oral Health and Ventilator Associated Pneumonia in Older ICU Patients, Funded by NIH National Center for Nursing Research Predoctoral Fellowship, F31NR011234, 2009-2011.

Jones DJ (**Munro CL**, faculty sponsor). Risk Reduction: Oral Care, Bacteremia, and Critical Care. Funded by NIH National Center for Nursing Research Predoctoral Fellowship, F31NR009596. 2006-2007.

### **Intellectual Property:**

Provisional Patent, Standardized Oral Health Assessment and Scoring Using Digital Imaging, Inventors **Munro CL**, Good GJ, Kip KE, Cairns PL, Chen T, USF Ref. No. 15B142PR.

International Patent, Vaccine to Prevent Streptococcal Endocarditis, Inventors Macrina FL, **Munro CL**, Viscount H, and Burnette-Curley D, 97932373.0-2116.

US Patent, Prevention of ventilator associated pneumonia (VAP), Inventors Ward KR, Sessler CN, Grap MJ, Dinardo LJ, Spiess BD, Ivatury RR, **Munro C**, 8042544.

## **Presentations:**

### **International and National:**

- Cairns P, Kip K, Rodriguez C, Liang Z, Buck H, **Munro C**. (Abstract Presentation) SAF-T Intervention for PTSD in Family Caregivers of Critically Ill Mechanically Ventilated Adults.. Society of Critical Care Medicine (SCCM) 2020 Critical Care Congress, Orlando, Florida, February, 2020.
- Elias, M, **Munro C**, Liang, Z. (Abstract Presentation) Sleep Duration Over a 24-Hour Period is Associated with ICU-Acquired Weakness in Older ICU Survivors. Society of Critical Care Medicine (SCCM) 2020 Critical Care Congress, Orlando, Florida, February, 2020.
- Liang, Z, **Munro C**, Clochesy J, Ferreira T, Yip H, Moore K, Kip K, Sheikh S, Camejo J. (Abstract Presentation) Feasibility and Acceptability of an Exercise to Rhythmic Music Intervention for ICU Survivors. Society of Critical Care Medicine (SCCM) 2020 Critical Care Congress, Orlando, Florida, February, 2020.
- Bourgault, A., Hope, A., **Munro C.**, Tracy, M. (2019). Publishing in AACN Critical Care Journals: A session for Aspiring Authors and Reviewers. National Training Institute for Critical Care Exposition. May, 2019.
- Pickler R, Broome M, **Munro CL**, Melnyk B, Fain J, Hinds P. (Panel Presentation) Publishing Precision Health Papers in Nursing Journals. Council for the Advancement of Nursing Science (CANS) State of the Science Congress, Washington, District of Columbia, 2018.
- Elias M, **Munro CL**, Liang Z, Calero, K, Ming J. (Podium Presentation) Objective Nighttime Sleep Quality in Hospitalized Older Adult Survivors of Critical Illness. Council for the Advancement of Nursing Science (CANS) State of the Science Congress, Washington, District of Columbia, 2018.
- Blair L, Pickler R, Ford J, **Munro CL**, Anderson C. (Podium Presentation) BDNF SNP Predicts Cognitive Test Scores in Low Birth Weight Children. Council for the Advancement of Nursing Science (CANS) State of the Science Congress, Washington, District of Columbia, 2018.
- Munro CL**. (Keynote speech) Reorientation Intervention for Delirium in the ICU: The FAVoR (Family Automated Voice Reorientation) Study. NIH/NINR Employee Appreciation Day, Bethesda Maryland, June 7, 2017.
- Cairns P, Calero K, Prater J, **Munro C**. (2017). Environmental light and delirium in the ICU. National Training Institute for Critical Care Exposition. May, 2017.
- Schwaiger E, Prater J, Calero K, **Munro C**, Cairns P, Anderson W, Ji M. (Poster) Actigraphy assessment of circadian rhythm alterations in the ICU. Society of Critical Care Medicine Critical Care Congress, Honolulu, Hawaii, January 21-25, 2017.
- Munro CL**. (invited speaker) Improving oral health in critically ill adults. Sigma Theta Tau International's 27<sup>th</sup> International Nursing Research Congress, Cape Town, South Africa, July 23, 2016.
- Alspach JG, Tracy MF, **Munro CL**. Editorial Conundrums: How would you handle these?

- International Academy of Nursing Editors 35<sup>th</sup> Annual Meeting, London, England, August 2, 2016.
- Bello M, Calero K, Anderson WM, **Munro CL**, Cairns PC, Ji M. (Poster) Delirium in the ICU: does sleep play a role? SLEEP 2016: 30<sup>th</sup> Anniversary of the Associated Professional Sleep Societies. Denver Colorado, June 2016.
- Tracy MF, Alspach G, **Munro CL**. (invited speaker) Advantages and Challenges of Varied Journal Formats. International Academy of Nursing Editors Conference, Las Vegas, Nevada, August 2015.
- Munro CL**. (invited speaker) Writing Successful Grant Proposals, Louisiana State University Health Sciences Center College of Nursing Workshop, New Orleans, Louisiana, July 2015.
- Clochesy JM, Groer ME, Ji M, Lengacher CA, **Munro CL**, Rowe MA, Wang HL. (invited speaker) Focusing the PhD Curriculum on Nursing Science. American Association of Colleges of Nursing Doctoral Education Conference, San Diego, California, January 2015.
- Clochesy JM, **Munro CL**, Visovsky C, Rowe MA, Morrison-Beedy D. Enhancing faculty success: The Institute for Nursing Faculty Recruitment, Retention and Mentoring (INFORM), University of New Mexico Mentoring Conference, Albuquerque, New Mexico, October 2014.
- Munro CL**. (invited speaker) Distinguished Lecturer. Oral Health: Something to Smile About. National Teaching Institute, American Association of Critical Care Nurses, Denver, Colorado, May 2014.
- Grap MJ, Schubert Kabban C, Lucas V, **Munro C**, Burk R, Wetzel P. (Poster) Ultrasound scanning for evaluation of skin integrity in the critically ill: procedures for obtaining the best scan. National Teaching Institute, American Association of Critical Care Nurses, Denver, Colorado, May 2014.
- Burk R, **Munro C**, Schubert Kabban C, Grap MJ. (Poster) Predictors of agitation in critically ill adults, National Teaching Institute, American Association of Critical Care Nurses, Denver, Colorado, May 2014.
- Grap MJ, Pepperl A, Lucas V, **Munro C**, Schubert Kabban C, Burk R, Wetzel P. (Poster) Backrest elevation and tissue interface pressure by anatomic location during mechanical ventilation, National Teaching Institute, American Association of Critical Care Nurses, Denver, Colorado, May 2014.
- Munro CL**. Moving from VAP to VAC. (invited speaker) Critical Care Canada Forum, Toronto, Canada, November 12, 2013.
- Munro CL**. Interdisciplinary Research: Possibilities & Pitfalls. (invited speaker) Critical Care Canada Forum, Toronto, Canada, November 11, 2013.
- Grap MJ, Bataille A, Schubert Kaban C, **Munro C**, Wetzel P. (Poster) Effect of backrest elevation on tissue interface pressure and pressure ulcer formation during mechanical ventilation. National Teaching Institute, American Association of Critical Care Nurses, Boston, Massachusetts, 2013.
- Munro CL**, Elswick RK, Grap MJ, Sessler C. (Poster) Preintubation chlorhexidine does not reduce endotracheal tube colonization. National Teaching Institute, American Association of Critical Care Nurses, Boston, Massachusetts, 2013.

- Munro CL**, Grap MJ, Elswick RK. Diagnostic Accuracy of Modified CPIS Without Chest Radiographs Compared to Full CPIS. 42<sup>nd</sup> Critical Care Congress of the Society of Critical Care Medicine, San Juan, Puerto Rico, 2013.
- Grap MJ, Ketchum J, **Munro C**. Research Oral Poster Presentation Award Winner. Sedation as a Mediator of the Stress Response During Mechanical Ventilation. National Teaching Institute American Association of Critical Care Nurses, Orlando, Florida, 2012.
- Mellott KG, Grap MJ, **Munro CL**, Sessler CN, Wetzel PA, Nilsestuen JO, Ketchum JM, Devito Dabbs A. Patient Ventilator Dyssynchrony: Types, Frequency And Patterns In Critically Ill Adults. American Thoracic Society Annual Meeting, Philadelphia, Pennsylvania, 2011.
- Hyzy R, **Munro CL**. Never say never: Ventilator-associated pneumonia as a quality indicator. CHEST 2011. Seventy-seventh Annual International Scientific Assembly of the American Council of Chest Physicians, Honolulu, Hawaii, 2011.
- Restrepo MI, **Munro CL**, Vines DL, Nates JL. Ventilator-Associated Pneumonia: Is It Over Yet, or Can I Still Do Something to Prevent It? CHEST 2011. Seventy-seventh Annual International Scientific Assembly of the American Council of Chest Physicians, Honolulu, Hawaii, 2011.
- Munro CL**. Decontamination of the mouth to prevent VAP. 40<sup>th</sup> Critical Care Congress of the Society of Critical Care Medicine, San Diego, California, 2011.
- Munro CL**. Swish, Swallow, or Brush? 40<sup>th</sup> Critical Care Congress of the Society of Critical Care Medicine, San Diego, California, 2011.
- Ameringer S, **Munro CL**, Elswick RK. Assessing Agreement between salivary alpha amylase levels collected by passive drool and eluted filter paper in adolescents with cancer. Oncology Nursing Society's 11<sup>th</sup> National Conference on Cancer Nursing Research, Los Angeles, California, 2011.
- Munro CL**. Interdisciplinary research: Possibilities and pitfalls. CHEST 2010. Seventy-sixth Annual International Scientific Assembly of the American Council of Chest Physicians, Vancouver, British Columbia, Canada, 2010.
- Grap MJ, Pickler RH, Ketchum JR, **Munro CL**, Hamilton VA, Wetzel PA, Best AL, Sessler CN, Arief NY. Achieving sedation goals of physiologic stability and comfort at various sedation levels in patients receiving mechanical ventilation. National Teaching Institute American Association of Critical Care Nurses, Washington, District of Columbia, 2010.
- Munro CL** Not this year, maybe next: Preventing ventilator-associated pneumonia. CHEST 2009, Seventy-fifth Annual International Scientific Assembly of the American Council of Chest Physicians Chest, San Diego, California, 2009.
- Grap MJ, **Munro CL**, Elswick RK, Sessler CN, Ward KR, Higgins, SM. Early, single chlorhexidine application to reduce oral flora and VAP in trauma victims. National Teaching Institute of the American Association of Critical Care Nurses, New Orleans, Louisiana, 2009.
- Turner LS, Das S, Kanamoto T, **Munro CL**, Kitten T. Development of Genetic Tools for Analysis of *Streptococcus sanguinis*. 37<sup>th</sup> Annual Meeting of the International Association for Dental Research, Dallas, Texas, 2008.
- Kitten T, Das S, **Munro CL**, Kanamoto T, and Unoki T. Contribution of *Streptococcus sanguinis* Lipoproteins to Endocarditis Virulence. 37<sup>th</sup> Annual Meeting of the

- International Association for Dental Research, Dallas, Texas, 2008.
- Grap MJ, Sessler CN, Best AM, Wetzel P, Hamilton A, Mellott K, **Munro CL**. Physiologic stability and patient comfort during varying levels of sedation in mechanically ventilated adults. 8th Annual Interdisciplinary Research Conference: Transforming Healthcare through Research, Education and Technology, Dublin, Ireland, November, 2007.
- Munro C**, Grap M, Sessler C, McClish D. Effect of oral care interventions on dental plaque in mechanically ventilated adults, National Teaching Institute American Association of Critical Care Nurses, Atlanta, Georgia, 2007.
- Unoki T, Grap M, Sessler C, Best A, Wetzel P, Hamilton A, Mellott K, **Munro C**. Autonomic system function during deep and light sedation in mechanically ventilated adults. National Teaching Institute American Association of Critical Care Nurses, Atlanta, Georgia, 2007.
- Mellott K, Grap M, Hamilton A, Best A, Wetzel P, Sessler C, **Munro, C**. The effect of rest and nonrest periods on physiological stability, sedation, and agitation in ventilated patients. National Teaching Institute American Association of Critical Care Nurses, Atlanta, Georgia, 2007.
- Munro CL**, Grap MJ, McClish D, Sessler CN. Chlorhexidine reduces ventilator associated pneumonia (VAP) in mechanically ventilated ICU adults. 36<sup>th</sup> Critical Care Congress of the Society of Critical Care Medicine, Orlando, Florida. 2007 SCCM Educational Scholarship Award “intended to recognize excellence in critical care research.” The first authors of the top 15 research presentations (of approximately 900 research presentations) were selected for the award based on highest abstract scores.
- Munro CL** (symposium coordinator), Grap MJ, Boyle AH, Jablonski R. Symposium: Oral health research: Improving patient outcomes. National State of the Science Congress in Nursing Research, Council for the Advancement of Nursing Science, Washington, District of Columbia, 2006.
- Symposium papers:
- Munro CL** Oral health: Common issues, common measures, diverse populations.
- Jones DJ, **Munro CL**, Grap MJ History of dental plaque accumulation in mechanically ventilated adults
- Boyle AH, **Munro CL**, Estes TS, Locke, D. Oral health and COPD exacerbation.
- Jablonski R, **Munro CL**, Grap MJ. Provision of mouth care to frail nursing home elders.
- Grap MJ, **Munro CL**. Peri-intubation intervention to reduce oral flora in trauma victims.
- Grap MJ, **Munro CL**, O’Neal PV, Sole, ML. Best practices: Improving outcomes of mechanical ventilation, Workshop. National Teaching Institute American Association of Critical Care Nurses, 2006.
- Munro CL**. Effective strategies for the prevention of hospital-associated pneumonia: Nursing perspective. Invited plenary session presentation, CHEST 2005, Seventy-first Annual International Scientific Assembly of the American Council of Chest Physicians, Montreal, Quebec, Canada, 2005.
- Munro CL**, Boyle AH, Estes TS, Locke DL. A description of oral health and COPD exacerbations. 15th Annual Educational Conference, Respiratory Nursing Society, Newport, Kentucky, 2005.



- Senty L, Paik S, Das S, **Munro CL**, Kitten T. *Streptococcus sanguis* virulence determinants for endocarditis identified by signature-tagged mutagenesis. 8th International Symposium on Modern Concepts in Endocarditis and Cardiovascular Infections, Charleston, South Carolina, 2005.
- Das S, **Munro CL**, Kitten T. Identification and role in endocarditis virulence of lipoprotein genes in *Streptococcus sanguis*. 8th International Symposium on Modern Concepts in Endocarditis and Cardiovascular Infections. Charleston, South Carolina, 2005.
- Kanamoto T, **Munro CL**, Kitten T. The FimA protein of *Streptococcus parasanguis* adheres to extracellular matrix proteins. 8th International Symposium on Modern Concepts in Endocarditis and Cardiovascular Infections, Charleston, South Carolina, 2005.
- Grap MJ, **Munro CL**, O'Neal PV, Sole ML. Best practices: Improving outcomes of mechanical ventilation, Workshop. National Teaching Institute American Association of Critical Care Nurses, New Orleans, Louisiana, 2005.
- Munro CL** (Symposium Coordinator), Graff JC, Grant S, Loescher LJ, Nicol MJ. Plenary session: Evidence based practice panel, International Society of Nurses in Genetics 2004 Conference, Toronto, Canada.
- Munro CL**, Grap MJ, Sessler CN, Elswick RK, McKinney JL, Hummel RS. Relationship between oral health and risk of ventilator associated pneumonia. Council for the Advancement of Nursing Science (CANS) State of the Science Congress, Washington, District of Columbia, 2004.
- Grap MJ, **Munro CL**, Hummel RS, Elswick RK, McKinney JL, Sessler CN. Effect of backrest elevation on the development of ventilator associated pneumonia. Council for the Advancement of Nursing Science (CANS) State of the Science Congress, Washington, District of Columbia, 2004.
- Munro CL**, Grap MJ, Sole ML, O'Neal PV. Challenges and opportunities in critical care research, Workshop. National Teaching Institute American Association of Critical Care Nurses, Orlando, Florida, 2004.
- Grap MJ, **Munro CL**, O'Neal PV, Sole ML. VAP prevention: Practices and pitfalls, Workshop. National Teaching Institute American Association of Critical Care Nurses, Orlando, Florida, 2004.
- Grap MJ, **Munro CL**, Elswick RK, Sessler CN, Ward KR. Duration of action of a single, early oral application of chlorhexidine on oral microbial flora in mechanically ventilated patients: A pilot study. Advanced Technology Applications for Combat Casualty Care Conference, 2004.
- Kitten T, Paik S, Grap E, **Munro CL**, Wang A, Macrina FL. FimA, a conserved streptococcal protein conferring cross-immunity against other viridans streptococci in experimental endocarditis. 7th International Symposium on Modern Concepts in Endocarditis and Cardiovascular Infections, Chamonix, France, 2003.
- Grap MJ, **Munro CL**, Sole ML, O'Neal PV. Preconference workshop. Victory over VAP. National Teaching Institute American Association of Critical Care Nurses, San Antonio, TX, 2003.
- Noe JC, **Munro CL**, Paik S, Kitten T. Identification of virulence determinants in *Streptococcus sanguis* by signature-tagged mutagenesis. American Society for Microbiology Annual Meeting, Washington, District of Columbia, 2003.

- Kitten T, Paik S, Noe JC, **Munro CL**. Identification of streptococcal virulence factors for endocarditis by signature-tagged mutagenesis. American Society for Microbiology Conference on Streptococcal Genetics, Asheville, North Carolina, 2002.
- O'Neal PV, Grap MJ, **Munro C**, Sessler C. Factors associated with subglottic secretion accumulation and removal among mechanically ventilated adults. Sigma Theta Tau International, Australia 2002.
- Munro CL**, Grap MJ. Subject recruitment in critical care: A complex task in a complex environment. National Teaching Institute American Association of Critical Care Nurses, Atlanta, Georgia, 2002.
- Munro C**, Grap MJ, Hummel, R, Elswick RK, Sessler C. Oral health status: Effect on VAP. National Teaching Institute American Association of Critical Care Nurses, Atlanta, Georgia, 2002.
- Grap MJ, **Munro CL**, Hummel R, Elswick RK, Sessler C. Backrest elevation: Effect on VAP. National Teaching Institute American Association of Critical Care Nurses, Atlanta, Georgia, 2002.
- Grap MJ, **Munro C**, Ashtiani B, Bryant S. Oral care interventions in critical care. National Teaching Institute American Association of Critical Care Nurses, Atlanta, Georgia, 2002.
- Grap MJ, **Munro C**, Ashtiani B, Bryant S. Predictors of level of backrest elevation in MRICU, STICU, and NSICU. National Teaching Institute American Association of Critical Care Nurses, Atlanta, Georgia 2002.
- O'Neal PV, Grap MJ, **Munro C**, Sessler C. Factors associated with subglottic secretion accumulation and removal among mechanically ventilated adults. National Teaching Institute American Association of Critical Care Nurses, Atlanta, Georgia 2002.
- O'Neal PV, Grap MJ, **Munro C**. Suction pressure and evacuation efficiency of subglottic secretions with varying viscosities obtained from mechanically ventilated adults. National Teaching Institute American Association of Critical Care Nurses, Atlanta, Georgia 2002.
- Gearhart J, Gottesman M, **Munro C**, Thomson E. Invited seminar panelist. Developing Curricular Approaches on the New Frontiers in Genomics: Genetic Enhancements, Gene Therapy, Genetic Testing Research, and Privacy Issues. Educating for the Responsible Conduct of Research in the Next Millennium: New Dilemmas, Continuing Questions, and Effective Strategies. PRIM&R Conference, co-sponsored by ORI (DHHS), AAMC, NIH, Bethesda, Maryland, 1999.
- Lyon D, **Munro CL**. HIV disease progression and depressive symptoms in African Americans, Key Aspects of Preventing and Managing Chronic Illness: 6<sup>th</sup> National Conference on Research for Clinical Practice, 1999.
- McCain NL, Munjas BA, **Munro CL**, Kimball PM, Elswick RK, Ferriera-Gonzalez A, Kaplowitz LG, Fisher EJ, Garrett CT, Brigle KE, Wheeler JL, Kendall LC, Cochran KL. Stress management for persons with HIV disease, PsychoNeuroimmunology Research Society: Research Perspectives in Psychoneuroimmunology VIII, 1998.
- Munro CL**, Grap MJ. Antibiotic therapy in the ICU: Nurses' role, AACN National Teaching Institute and Critical Care Exposition, Orlando, Florida, 1997.
- Munro CL**, Waters HF, Scharer J, Neel N, Caponigro J. Candida carriage, symptomatic oral candidiasis and oral biological markers in persons with HIV, International Association of Dental Research, 1997.

- Thompson N, Shotwell J, Pickler RH, **Munro CL**. Testing a breast cleansing procedure, International Lactation Consultant Conference. 1994.
- Thompson N, Shotwell J, Pickler RH, **Munro CL**. Bacteria in expressed breast milk: Testing a breast cleansing procedure. Association for Women's Health, Obstetrics, and Neonatal Nursing Annual Conference. 1994.
- Macrina FL, **Munro CL**. Invited presentation. Integrity in scientific endeavors: A case study approach. Scientific and Academic Integrity Conference, American Association of Colleges of Nursing. 1993.
- Munro CL**. Contributions of glucosyltransferase genes to *Streptococcus mutans* cariogenicity. Fallen Leaf Lake Conference on Bacterial Virulence Mechanisms. 1992.
- Munro CL**. Virulence of *Streptococcus mutans* in model systems of endocarditis. 92nd General Meeting of the American Society for Microbiology. 1992.
- Hata S, Schachtele C, **Munro CL**, Macrina FL. Acid diffusion: glucan and a polysaccharide deficient mutant of *Streptococcus mutans*. 21st Annual Meeting of the American Association for Dental Research. 1992.
- Munro CL**. Contribution of *gtfB*, *gtfC*, and *ftf* to *Streptococcus mutans* cariogenicity. 21st Annual Meeting of the American Association for Dental Research. 1992.
- Munro CL**. *In vitro* fibrin binding of glucosyltransferase and fructosyltransferase mutants of *Streptococcus mutans*. 3rd International American Society for Microbiology Conference on Streptococcal Genetics. 1990.

### **Regional:**

- Munro CL**. (keynote speaker) Improving Outcomes for Critically Ill Adults through Nursing Research. Virginia Commonwealth University Johnson Center Scientific Symposium, Richmond, Virginia, November 2019.
- Munro CL**. (Invited Speaker) Improving Outcomes for Critically Ill Adults through Nursing Research. Nursing Research Day. Florida Southern College School of Nursing and Health Sciences, Lakeland, Florida, March 29, 2019.
- Munro CL**. (Invited Speaker) Nursing Research: A Review of Recent Studies. AACN Greater Miami Area Chapter Conference, Miami Florida, March 15, 2019.
- Munro CL**. (invited speaker) Writing for Publication. Southern Nursing Research Society (SNRS) Annual Conference Workshop, Orlando, Florida, February 2019.
- Munro CL**. (keynote speaker) Strategy and Agility: Moving Nursing Forward. Virginia Commonwealth University School of Nursing 125<sup>th</sup> Anniversary Lectureship, Richmond, Virginia, October 2018.
- Munro CL**. Meet the Editors Networking Session (panelist). Southern Nursing Research Society, Dallas, TX, February 2017.
- Munro CL**, Porche, D. Writing for Publication Workshop. Southern Nursing Research Society, Dallas TX, February 2017.
- Munro CL**. FNINR- How to Become a Grassroots Advocate For Nursing Research. Southern Nursing Research Society, Dallas TX, February 2017.
- Cairns P, **Munro C**. Prevention of Post Intensive Care Syndrome in Family Members with SAF-T Intervention. Sigma Theta Tau International, Delta Beta-at-Large Chapter Research Day. April, 2017.

- Cairns P, Liang Z, **Munro CL**. (2017). Family Experience in ICU Research: A Novel Family-Centered Intervention for ICU Delirium. Southern Nursing Research Society Annual Conference. February, 2017.
- Blair LM, Anderson C, Pickler R, **Munro CL**, Ford J. (poster presentation) Impaired Cognitive Domains in Low Birth Weight Children: A Secondary Analysis of the Fragile Families and Child Well-Being Study, Midwest Nursing Research Society, Milwaukee, WI, March 19, 2016
- Munro CL**. Friends of the National Institute for Nursing Research (FNINR) Ambassadors Program: Advocating for Nursing Science. Southern Nursing Research Society, Williamsburg, Virginia, February 2016.
- Munro CL**. Meeting the Editors Networking Session (panelist). Southern Nursing Research Society, Williamsburg, Virginia, February 2016.
- Munro CL**, Porche, D. Writing for Publication Workshop. Southern Nursing Research Society, Williamsburg, Virginia, February 2016.
- Munro CL** (invited). Collaborating for Research Excellence. 25<sup>th</sup> Annual Collaborative Research Nursing Research Day 2016, Eastern Area Health Education Center Department of Nursing and Allied Health Education, East Carolina University, Greenville, North Carolina, February 12, 2016.
- Munro CL**, Porche, D. Writing for Publication Workshop. Southern Nursing Research Society, Wesley Chapel, Florida, February 2015.
- Munro CL**, Porche, D. Writing for Publication Workshop. Southern Nursing Research Society, San Antonio, Texas, February 2014.
- Munro CL**, Transforming Health Care Environment Breakout Session (panelist), Florida Blue Foundation 2013 Statewide Nursing Summit: Nursing in Florida: Celebrating the Past and Advancing the Future, Tampa, Florida, Nov. 15, 2013.
- Munro CL**, Porche, D. Writing for Publication Workshop. Southern Nursing Research Society, Little Rock, Arkansas, 2013.
- Munro CL**. Meet the Editors session (panelist) Session, Southern Nursing Research Society, Little Rock, Arkansas, 2013.
- Munro CL**. Meet the Editors session (panelist) Session, Southern Nursing Research Society, New Orleans, Louisiana, 2012.
- Munro CL**. Funding Panel (panelist) Session, Southern Nursing Research Society, New Orleans, Louisiana, 2012.
- Munro CL**. Substrate and Substance in Biobehavioral Research, Biobehavioral RIG session, Southern Nursing Research Society, New Orleans, Louisiana, 2012.
- Montpetit A, Davis MD Hunt J, McAuliff E, Grap MJ, **Munro CL**. Measuring Exhaled Breath Condensate Cytokines in the Mechanically Ventilated Population, Symposium paper in Biobehavioral Research Methods in the Critically Ill Population, Southern Nursing Research Society, New Orleans, Louisiana, 2012.
- Frazelle MR, **Munro C**. Measuring Toothbrush Contamination in the Intensive Care Unit, Symposium paper in Biobehavioral Research Methods in the Critically Ill Population, Southern Nursing Research Society, New Orleans, Louisiana, February 2012.
- Munro CL**, Porche, D. Writing for Publication Workshop. Southern Nursing Research Society, Jacksonville, Florida, 2011.

- Frazelle M, **Munro CL**, Kitten T. Toothbrush contamination with potentially pathogenic microorganisms found in the ICU: Development of quantification methods. Southern Nursing Research Society, Jacksonville, Florida, 2011.
- Szabo CM, **Munro CL**. Oral Care Practices of Neuroscience Intensive Care Nurses. Southern Nursing Research Society, Jacksonville, Florida, 2011.
- Williamson S, **Munro CL**, Pickler R, Grap MJ, Elswick, RK. Comparison of biomarkers in blood and saliva. Southern Nursing Research Society, Jacksonville, Florida, 2011.
- McCain NL, Elswick RK, **Munro CL**, Lyon DE, Schubert CM. Multiplex Assays: 1 vs. 100 Cytokine Measures. Symposium paper, Use of Laboratory Assays: Re-Engineering the Nursing Research Enterprise. Western Institute of Nursing, 42<sup>nd</sup> Annual Communicating Nursing Research Conference; Salt Lake City, Utah; April 22-25, 2009.
- Kahn J, **Munro CL**. Evaluating the consent process: "What do participants understand and retain?" VCU OHRP Regional Conference, Informed Consent and More: Improving Human Research Protections, September 16, 2008.
- McCain N, Grap MJ, **Munro CL**, Pickler R. Preconference Workshop: Biobehavioral measures in clinical research. Southern Nursing Research Society, Birmingham, Alabama, 2008.
- Jones DJ, **Munro CL**, Grap MJ, Kitten T, Edmond M. Risks of bacteremia in the ICU: Does oral care matter? Southern Nursing Research Society, Birmingham, Alabama, 2008.
- Munro CL**. Measuring Immune Function: What's new and what works. In R. Jablonski (Chair), *SNRS Research Interest Group Sponsored Biobehavioral Symposium*. Symposium conducted at the meeting of the Southern Nursing Research Society, Galveston, Texas. 2007.
- Munro CL**, Grap MJ, Sessler CN, Russell S. Relationship of dental health (DMFT) to acute and chronic health problems in mechanically ventilated adults. Southern Nursing Research Society, Galveston, Texas. 2007.
- Grap MJ, **Munro CL**, Sessler CN, Russell S. Comparison of definitions of ventilator associated pneumonia. Southern Nursing Research Society, Galveston, Texas. 2007.
- Jones DJ, Kitten T, **Munro, C**. Identification of a Nosocomial Pathogen by PCR Genotyping. Southern Nursing Research Society, Galveston, Texas. 2007.
- Turner LS, Kanamoto T, **Munro CL**, Kitten T. Sortase A-dependent cell wall-anchored proteins enhance colonization in *Streptococcus sanguinis* infective endocarditis. American Society for Microbiology Virginia Branch Annual Meeting, 2007.
- Das S, Kanamoto T, Unoki T, **Munro CL**, Kitten T. Characterization of lipoprotein genes contributing to endocarditis virulence in *Streptococcus sanguinis*. American Society for Microbiology Virginia Branch Annual Meeting, 2007.
- Munro CL** (symposium coordinator), Grap MJ, Boyle AH, Jablonski R. Symposium: Oral health research: Improving patient outcomes. Southern Nursing Research Society 20th Annual Conference, Memphis, Tennessee, 2006.
- Senty L, Kanamoto T, **Munro CL**, Kitten T. Signature-tagged mutagenesis of *S. sanguinis* cell-wall anchored protein genes for identification of putative virulence factors in infective endocarditis. VA Branch American Society for Microbiology Annual Meeting, Norfolk, Virginia, 2005.

- Das S, **Munro CL**, Kitten T. Identification and role in endocarditis virulence of lipoprotein genes in *Streptococcus sanguis*. VA Branch American Society for Microbiology Annual Meeting, Norfolk, Virginia, 2005.
- Jefferson DM, **Munro CL**, Grap MJ. Natural history of dental plaque accumulation in mechanically ventilated adults. Southern Nursing Research Society 19th Annual Conference. Atlanta, Georgia, 2005.
- Munro CL**, Grap MJ, Boyle A, Locke D, Aylesworth A. Oral health in COPD and relationship to exacerbations: A retrospective study of dental and medical records. Southern Nursing Research Society 18th Annual Conference. Louisville, Kentucky, 2004.
- Boyle A, **Munro CL**, Grap MJ, Locke D. Measures of oral health in COPD. Southern Nursing Research Society 18th Annual Conference. Louisville, Kentucky, 2004.
- Paik S, Noe JC, **Munro CL**, Kitten T. Identification of virulence determinants in *Streptococcus sanguis* by signature-tagged mutagenesis. Mid-Atlantic Microbial Pathogenesis Meeting, Wintergreen, Virginia, 2003.
- Munro CL**, Grap MJ. Subject recruitment in critical care: a complex task in a complex environment. Southern Nursing Research Society Annual Conference, Orlando, Florida, 2003.
- Grap MJ, **Munro CL**, Ashtiani B, Bryant S. Oral care interventions in critical care. Southern Nursing Research Society Annual Conference, San Antonio, Texas, 2002.
- Grap MJ, **Munro C**, Ashtiani B, Bryant S. Predictors of level of backrest elevation in MRICU, STICU, and NSICU. Southern Nursing Research Society Annual Conference, 2002.
- Munro CL**. Invited presentation. Inpatient and outpatient pneumonia. Virginia Council of Nurse Practitioners Annual Conference, 2001.
- McCain N, Gray DP, Kendall L, **Munro C**. Symposium. Syncretic understandings from a Psychoneuroimmunologically and Phenomenologically Based Clinical Trial of Stress Management in HIV Disease. Southern Nursing Research Society Annual Conference, Baltimore, Maryland, 2001.
- Munro CL**, Grap MJ Relationship Between Level of Sedation/ Agitation and Cardiovascular Reactivity in Adult Intensive Care Unit Patients. Southern Nursing Research Society Annual Conference, Baltimore, Maryland, 2001.
- Munro CL**, Grap MJ. Oral Health Status: Effect on VAP. Southern Nursing Research Society Annual Conference, Baltimore, Maryland, 2001.
- O'Neal PV, Grap MJ, **Munro CL**. Subglottic secretion volume, viscosity, and patient volume status in mechanically ventilated adults. Emory University 2000 Regional Research Conference, 2000.
- McCain NL, **Munro CL**, Munjas BA, Gray DP. Symposium. Beyond Triangulation: Syncretic Approaches in Randomized Clinical Trials. Southern Nursing Research Society 13th Annual Conference, Charleston, South Carolina, 1999.
- Fitch JA, **Munro CL**. Oral health in the Adult Intensive Care Unit. Southern Nursing Research Society 13th Annual Conference, Charleston, South Carolina, 1999.
- Zeh JE, Kaatz JS, Allen PM, **Munro CL**, Wong MT. The Nurse Practitioner role in a quick response post-exposure protocol, Virginia Council of Nurse Practitioners Annual Conference, 1998.
- Munro CL**, Wang A, Macrina FL. Immunization with *Streptococcus parasanguis* FimA protects rats against endocarditis from heterologous streptococcal species. American Society for Microbiology Clinical Symposium on Chronic Infectious

Diseases, 1997.

- Neil JA, **Munro CL**. A comparison of swab and tissue cultures in chronic wounds. Fifth Annual Wound Care Symposium, Virginia Commonwealth University, 1996.
- Waters HF, **Munro CL**, Neel NL, Scharer JL, Caponigro JM, Blankenship P, Farleigh D, Ropka ME. Oral health in persons with HIV: Host and microbial factors. Southern Nursing Research Society 10th Annual Conference, Miami, Florida, 1996.
- Munro CL**. Invited presentation. Viridans streptococci and endocarditis. 36th Annual Scientific Assembly Symposium on Bacterial Pathogenesis, Medical College of Virginia Alumni Association, 1994.
- Munro CL**. Invited presentation. Ethical implications of genetic engineering for nursing practice. Genetics Update Conference, The Association of Women's Health, Obstetrical, and Neonatal Nurses: Richmond Chapter, 1993.
- Munro CL**. Virulence of *Streptococcus mutans* V403 in the rat model of endocarditis. 15th Annual Mid-Atlantic Extrachromosomal Elements and Molecular Genetics Meeting, 1991.

#### **Local:**

- Munro CL**. Invited Presentation. Writing for Publication: Coaching session. USF College of Pharmacy Department of Pharmacotherapeutics and Clinical Research Retreat, Tampa, FL, June 27, 2016.
- Munro CL**. Invited Presentation. Oral Health: Something to Smile About. Nursing Research Conference, Sarasota Memorial Hospital, Sarasota, Florida, May 13, 2015.
- Munro CL**. Invited Presentation. Strategies for Publication. Nurses Week, Tampa General Hospital, Tampa, Florida, May 4, 2015.
- Munro CL**. Invited Presentation. Research at the USF College of Nursing. VA Center of Innovation on Disability and Rehabilitation Research Investigators, Tampa, Florida, September 2014.
- Munro CL**. Invited Presentations. Frequency of Oral Care. Critical Care Committee, Nurse Practice Council, Committee Target Zero, Tampa General Hospital, Tampa, Florida, July 2014.
- Munro CL**. Invited presentation. Changes in VAP as a Quality Indicator. Committee Target Zero, Tampa General Hospital, Tampa, Florida, Jun 2013.
- Munro CL**. Invited presentation. Connecting the Dots: Pulmonary Issues. 3rd Annual Neuroscience Nursing Symposium, "The Brain & Heart Connection" at Tampa General Hospital, Tampa, Florida, Feb 2012.
- Grap MJ, **Munro CL**. Invited presentation. Ventilator associated pneumonia and oral health: Evidence based care. Region 4 Chapter Meeting of American Association of Critical Care Nurses. 2006.
- Munro CL**. Invited presentation. A nation on alert and nurses prepared for bioterrorism response. Virginia Nurses Association District 5. 2004.
- Munro CL**. Invited presentation. Community acquired pneumonia. Nurse Practitioner Grand rounds, Medical Colleges of Virginia Hospitals. 2001.
- Munro CL**. Invited presentation. Genetics and physical traits. Bioethics 2000: Bioethics and Genetics Conference, Science Museum of Virginia and Virginia Commonwealth University. 2000.

- Munro CL.** Invited presentation. HIV related malignancies. Medical Colleges of Virginia Hospitals Oncology Core Curriculum. 1998, 1999.
- Munro CL.** Invited presentation. Biological measures: How they fit in nursing research. Gamma Omega Chapter of Sigma Theta Tau International, 1998.
- Munro CL.** Invited presentation. Implications for nursing of the Human Genome Project. School of Nursing Research Committee Seminar, Virginia Commonwealth University. 1996.
- Munro CL.** Watts Day Graduate Student Symposium, School of Basic Health Sciences, Medical College of Virginia, Virginia Commonwealth University. 1990.
- Munro CL, Monaco JJ.** Oral presentation. Analysis of a cosmid fragment which maps to the murine MHC. Graduate Student Symposium, Department of Microbiology and Immunology, Medical College of Virginia, Virginia Commonwealth University. 1989.
- Munro CL, Bear HD.** Oral presentation. Effects of addition of exogenous recombinant interleukin 2 on activation of tumor-specific CTL *in vitro*. Graduate Student Symposium, Department of Microbiology and Immunology, Medical College of Virginia, Virginia Commonwealth University. 1989.

#### **Editorial responsibilities:**

*American Journal of Critical Care.* Co-editor-in-chief. 2009- present.

#### **Professional and Honorary Organizations:**

American Academy of Nursing (Fellow)  
 American Association of Critical Care Nurses  
 American Association for the Advancement of Science (Fellow)  
 American Academy of Nurse Practitioners (Fellow)  
 American College of Chest Physicians  
 American Society for Microbiology  
 National Academy of Inventors, USF Chapter  
 Florida Nurses Association  
 Sigma Theta Tau, Gamma Omega Chapter and Delta Beta at large Chapter  
 Society of Critical Care Medicine  
 Southern Nursing Research Society

#### **Honors and Awards:**

McClure Scholar, New York University/ Langone Medical Center, 2017  
 University of Delaware Alumni Star, 2017  
 Academy Edge Runner for *Oral Care in Mechanically Ventilated Adults*, American Academy of Nursing, 2016  
 International Nurse Researcher Hall of Fame, Sigma Theta Tau International, inducted 2016  
 Faculty Outstanding Research Achievement Award, University of South Florida, 2015  
 Friends of the National Institute of Nursing Research (FNINR) Ambassador, selected for inaugural cohort, 2014



Outstanding Faculty Award, University of South Florida, 2014  
National Academy of Inventors, 2014  
Distinguished Research Lecturer, American Association of Critical Care Nurses, 2014  
Great 100 Nurses Award, Florida Nurses Association, 2013  
Established Investigator Award, University of South Florida College of Nursing, 2013  
Visionary Leader Award, Virginia Commonwealth University, 2013  
Nursing and Patient Care Services Excellence in Teaching Award, VCU Health System, 2010  
Nursing Alumni Endowed Professor, VCU School of Nursing, 2009-2011  
Outstanding Nurse Alumnus Award, MCV Alumni Association of VCU, 2009  
Oxford University Harris-Manchester College Summer Research Fellow, 2008

Educational Scholarship Award, Society of Critical Care Medicine (one of top 15 research abstracts of 900 submitted for 36<sup>th</sup> Annual Congress), 2007  
Senior Investigator Research Award, VCU School of Nursing, 2003  
Doris B. Yingling Research Award, Oral care in the adult intensive care unit, J. Fitch, C. Munro, J. Caponigro, C. Glass, Nursing Services, Medical College of Virginia Hospitals, 1995  
Doris B. Yingling Research Award, Reduction of bacteria in expressed breast milk, N. Thompson, J. Shotwell, R. Pickler, and C. Munro. Nursing Services, Medical College of Virginia Hospitals, 1993  
Outstanding Graduate Student in Microbiology and Immunology, Department of Microbiology and Immunology, Medical College of Virginia, Virginia Commonwealth University, 1991  
A.D. Williams Scholarship, Medical College of Virginia, Virginia Commonwealth University, 1988-89  
Gold Key, the Honor Society of Lynchburg College, elected to faculty membership, 1987  
Graduate traineeship, University of Delaware, 1983-84  
Phi Kappa Phi, Millersville University Chapter, elected to membership, 1983

### **Post-Doctoral Fellowships:**

Postdoctoral Fellow, Laboratory of Dr. Frances Macrina, Virginia Commonwealth University, Richmond Virginia, 2002

### **Other Professional Activities:**

AACN Wharton-Fellow, American Association of Colleges of Nursing, Wharton School of the University of Pennsylvania, July 2018  
NIH Invited Reviewer, National Institute of Nursing Research Special Emphasis Panel, ZNR1 REV-M (23), March 2016  
Coeditor-in Chief, *American Journal of Critical Care*, 2009-present  
Friends of the National Institute of Nursing Research (FNINR) Ambassador, selected for inaugural cohort, 2014  
Council for the Advancement of Nursing Science, Steering Committee Member, 2014 – 2016  
Manuscript reviewer, *American Journal of Critical Care*; *American Journal of Infection Control*;

*Critical Care Medicine; Heart and Lung: The Journal of Acute and Critical Care; Intensive Care Medicine: International Journal of Nursing Studies; Research in Nursing and Health; Eastern Journal of Medicine*

NIH Invited Reviewer, Nursing and Related Clinical Sciences Overflow Panel (ZRG1 NRCS B 08), October 2012

NIH Invited Reviewer, Special Emphasis Panel ZDE1 VH (19), PAR 08-195 NIDCR Clinical Trial Planning Grants (R34) and PAR 08-196 NIDCR Clinical Trial Implementation Cooperative Agreement (U01), October 2011

Southern Nursing Research Society Board of Governors Member at Large and Chair of Grants and Awards Committee, 2008 - 2012, President elect, 2012 - 2014, President 2014-2016

American College of Chest Physicians Quality Improvement Committee, AACN representative member, 2008 - 2012

Chesterfield County, VA Medical Reserve Corps volunteer, 2007 - 2011

American Academy of Nursing, Acute and Critical Care Expert Panel member, 2005 - present

VHHA Hospital Emergency Management Committee, Virginia Nurses Association representative 2003 - 2011

NINDS Special Review Group member, RFA Research Integrity R01 applications, 2004

Get Smart Virginia Campaign Committee member (Antibiotic resistance prevention), and Education/Media Workgroup, 2003 - 2006

Virginia Nurses Association representative to Virginia Smallpox Hospital Implementation Task Group (subgroup of VHHA Hospital Disaster Preparedness Task Force), 2002

Mid-Atlantic Twins Registry Access Advisory Committee, 2001 - 2002

United States Department of Health and Human Services Secretary's Award for Innovations in Health Promotion/Disease Prevention, proposal review panel, 1995 - 1999

Sigma Theta Tau Gamma Omega Chapter Executive Board, 1994 - 2002

Sigma Theta Tau Gamma Omega Chapter Research and Scholarship Committee 1992 - 2002 (chair 1996 - 2002)

## **TEACHING**

### **Current PhD Students:**

Cristobal Felipe Padilla Fortunatti, University of Miami School of Nursing and Health Studies. 2018

Paula Cairns (chair), USF College of Nursing, Prevention of Post Intensive Care Syndrome - Family with Self-Management Stress Reduction Interventions, expected graduation December 2018.

Maya Elias (chair), USF College of Nursing, Sleep Disturbances in Adults with Cerebrovascular Accident, expected graduation December 2018.

### **Completed PhD Committee Membership:**

Janette Denny (chair), USF College of Nursing, Chlorhexidine Gluconate Bathing Practices in Hospitalized Patients, August 2016.

Dina Masha 'Al (chair), USF College of Nursing, The Change in Nutritional Status in Traumatic Brain Injury Patients: A Retrospective Descriptive Study, March 2016.

Christine Szabo, (chair), VCU School of Nursing, The Effect of Oral Care on Intracranial Pressure, May 2012.

Michelle Frazelle, (chair and NRSA mentor), VCU School of Nursing. Healthcare-acquired Infection Risk and Toothbrush Contamination in the ICU. NRSA fellowship F31NR012340. December 2011.

Deborah Jefferson Jones, (chair and NRSA mentor) VCU School of Nursing, Oral care and bacteremia in mechanically ventilated adults. NRSA fellowship F31 NR009596. December 2007.

Ruth Burk, VCU School of Nursing, Predictors of Agitation in the Critically Ill, NRSA Fellowship F31NR010436, May 2013.

Valentina Lucas, Perceived Stress and Surgical Wound Cytokine Patterns, VCU School of Nursing, December 2012.

Jill Callahan, VCU School of Medicine, Characterization of COMC Export and Processing in *Streptococcus sanguinis*. NRSA fellowship F31DE02096. August 2011.

Mamoon Arif, VCU School of Nursing, Facial Expression during Pain, NRSA Fellowship F31NR010433 December 2010.

Aimee Hollander, VCU School of Medicine, Regulation of a Putative TonB-dependent Transporter in *Neisseria gonorrhoeae*. May 2011.

Karen Mellott, VCU School of Nursing, Manifestation and Effect of Patient-Ventilator Dysynchrony, NRSA fellowship F31NR009623. May 2010.

Lauren Senty, VCU School of Medicine, Study of *S. sanguinis* cell wall-anchored proteins mediating platelet interaction. August 2008.

Amanda DeRocco, VCU School of Medicine, Topology and function of transferrin binding protein B. December 2007.

Lashanda Oglesby, VCU School of Medicine, Characterization of *alg8* and *alg44* in alginate biosynthesis in *Pseudomonas aeruginosa*. December 2005.

Seh Mi Paik, VCU School of Medicine, Regulation of expression of virulence genes in *S. mutans*. August 2004.

Soon Bok Park, VCU School of Nursing, Breast cancer in Korean American women. May 2001.

Pamela O'Neal, VCU School of Nursing, Maximizing care of mechanically ventilated patients. F31NR007491. December 2000.

Janice Neil, VCU School of Nursing, Living with a chronic wound: A Heideggerian hermeneutical approach. May 1998.

Shirley Jones, VCU School of Nursing, Responses of nurses to advances in clinical genetics. May 1997

Janina Lewis, VCU School of Medicine, Proteases as virulence factors in *Porphyromonas gingivalis*. December 1997.

Helen Viscount, VCU School of Medicine, FimA as a virulence factor in viridans streptococci. August 1996.

### **Supervision of Student Research:**

#### Postdoctoral Fellow

Maya Elias, RN, PhD. 2018-2019  
Alison Montpetit, RN, PhD. 2009-2011.

### Doctoral students

Maya Elias, University of South Florida, The Relationship Between Sleep Quality and Motor Function in Hospitalized Older Adult Survivors of Critical Illness. 2015-2018  
Paula Cairns, USF College of Nursing, Prevention of Post Intensive Care Syndrome - Family with Self-Management Stress Reduction Interventions, expected graduation December 2018.  
Michelle Frazelle, VCU School of Nursing, Directed Research, Toothbrush contamination with potentially pathogenic microorganisms found in the ICU: Development of quantification methods. Spring, summer 2010.  
Christina Szabo, VCU School of Nursing, Directed Research. Oral Care Intervention and the Role of Increased Intracranial Pressure in Neuroscience Nursing Care. Spring 2009.  
Deborah Jefferson Jones, VCU School of Nursing, Directed Research. Natural history of dental plaque accumulation in mechanically ventilated adults. 2004.  
Pamela O'Neal, VCU School of Nursing, Directed Research. Analysis of subglottic secretions of mechanically ventilated adults. 2003.  
Janice Neil, VCU School of Nursing, Nursing 797: Directed Research in Nursing. Bacterial contamination of chronic leg ulcers. 1995-1996  
Janina Lewis, VCU School of Medicine, Microbiology 690: Microbiology Research Seminar. Pathogenicity islands and virulence of uropathogenic *E. coli*. Spring 1995  
Helen Viscount, VCU School of Medicine, Microbiology 690: Microbiology Research Seminar. Role of platelets in the pathogenesis of infective endocarditis. Spring 1994

### Masters students

VCU School of Medicine, Dept of Microbiology/Immunology, Masters Thesis Committee  
Jenishkumar Patel, Environmental Responses of Two-Component Systems in *Streptococcus sanguinis*. MS, August 2010  
VCU School of Medicine, Dept of Microbiology/Immunology, Masters Thesis Committee  
Jody Noe, MS, August 2003  
Virginia State University, Masters Thesis Chair, Nicole Brown, MS, December 1999  
VCU Nursing 592, Directed Study in Research  
Connie Meyer, Fall 2002  
Nevine Soliman, Fall 2002  
Hilarie Thompson, Summer 1995  
VCU Nursing 691, Research Practicum  
Amy Dillon, Spring and Summer 1999  
Michele Heine, Summer and Fall 1999  
Kevin Brigle, Fall 1998  
HoChong Smith, Summer and Fall 1998, Spring and Fall 1999  
Leslie Muldowney, Summer and Fall 1998, Spring 1999  
Margaret Mountcastle, Spring 1997  
Jacqueline Curtis, Fall 1996  
Carol Pollack, Spring 1996  
Denise Farleigh, Spring 1995

Hilarie Thompson, Fall 1994  
Tracie Kirkland, Spring 1994  
VCU/VSU Bridges Program (Minority graduate student enrichment)  
Nicole Brown, Summer 1998 through Fall 1999

### **Course Responsibilities:**

#### Courses taught at USF

Nursing 7905 Engagement in research through scientific conferences (2015)  
Nursing 7941 Nursing Research Pro Seminar (2013)

#### Courses taught at VCU

Nursing 202 (clinical section) Technologies in Nursing (1993)  
Nursing 261 Health Assessment, Class and laboratory (1996)  
Nursing 366 Nursing Science II (1994, 1997-2001)  
Nursing 370 Theory and Research in Nursing Practice (1993, 1994)  
Honors 399 (6 sections) Genetics, Health, and Society (1993-1995)  
Nursing 501 Advanced Professionalization I (1996)  
Nursing 504 Advanced Nursing Practice: Biological Basis (1995-2002)  
Nursing 507 Advanced Nursing Practice: Biophysiological Concepts (1992-1994)  
Microbiology 591/691 Scientific Integrity (team taught, 1992-2003)  
Nursing 626 Nursing of Acutely Ill Adults (1994,1995)  
Nursing 628 Immunocompetence: Clinical Applications in Nursing (1995)  
Nursing 661 Advanced Adult Health II: Primary Care Management (2000-2011)  
Nursing 667 Biological Basis of Immunocompetence (1997, 1998)  
Medicine II Infection and Immunity (1995-1997)  
Nursing 720 Theoretical Found. of Biobeh. Clinical Research (2006, 2007, 2009, 2011)  
Nursing 721 Biobehavioral Measures in Clinical Research (2002, 2005, 2008, 2010)  
Nursing 777 Research Program Development II (2004)  
Nursing 791 Doctoral Proseminar: Scientific Integrity (1995, 1997, 1999)

#### Courses taught at Lynchburg College (1985- 1988)

Nursing 311 Communications  
Nursing 308 Nursing of Adults with Alterations in Health I  
Nursing 400 Nursing of Adults with Alterations in Health II  
Nursing 403 Nursing of Adults with Complex Alterations in Health  
Hopwood Summer Scholars Honors Program Communications in Caring Relationships

### **SERVICE**

#### **USF College of Nursing**

CON Appointment Promotion and Tenure Committee, Ex-Officio member, 2011 - present  
CON Doctoral Program Committee, Ex-Officio member, 2011 - present

## **USF University**

USF iCorps Site Workgroup, 2016 - present

USF Associate Deans for Research, member, 2011 - present

USF Women's Health Advisory Group, member, 2012 - present

USF Board of Trustees Research, Innovation, Engagement and Job Creation Workgroup,  
2013 -2015

USF Conflict of Interest Committee, 2014 - Dec 2015

USF Research Strategic Planning Committee, Oct 2015 - present

## **VCU School of Nursing**

Department of Family and Community Health Nursing Chair Search Committee, Chair,  
2009 - 2010

Undergraduate Curriculum and Evaluation Committee 2002 - 2007 (chair 2003 - 2006)

Faculty Assembly chair 2001 - 2002

Appointment, Promotion, and Tenure Committee, 1998 - 2001, 2004 - 2008  
(chair 2006 - 2008)

School of Nursing Collateral Faculty Search chair, 1995 - 1997

Doctoral Program Admissions Committee, 1994 - 1996

Graduate Affairs Committee 1992 - 1993, 1997 - 2000 (chair, 1994 - 1995; co-chair, 1993 -  
1994)

School of Nursing Search Committee, 1994 - 1997

Masters Program Task Force, 1993 - 1995

Undergraduate Curriculum & Evaluation Subcommittee on Science Requirements, 1993 -  
1994

Associate Dean Search Committee, 1992 - 1993

Workload Task Force, 1992 - 1994

## **VCU University**

VCU IRB Panel A, 1993 - 2011, Chair 2010 - 2011

VCU Promotion and Tenure Policy Review Committee 2009 - 2011

VCU Health Systems Director of Nursing Research Search Committee, 2009 - 2011

VCU Center for Translational Research, Research Incubator Committee, 2006 - 2011

VCU Expert Panel for Issues Related to Blood- Borne Pathogen Infected Health Care  
Professionals and Students, 2002 - 2011

VCU President's Conflict of Interest Task Force, 2007 - 2008

VCU Medical Campus Committee on Conflict of Interest, 2007 - 2008

VCU President's Council of Advisors, 2001 - 2005

VCU Life Sciences Advisory Committee, 2001 - 2011

VCU Promotion and Tenure Appeals Committee, 2001 - 2005

VCU Medical Campus Health Sciences Instructional Task Force, 2002 - 2008

VCU Graduate Programs and Courses Committee of Graduate Council, 1996 - 2002 (chair  
1998-2002)

VCU Massey Cancer Center Clinical Trials Review Committee, 1996 - 2002

VCU Women's Network Advisory Board 1994 - 2000 (co-chair 1994 - 1996)

VCU Faculty Advisory Council for University Computing and Communications, 1996 - 1997

VCU Dept of Microbiology and Immunology Committee on Committees, 1993 - 1997 (chair 1994 -1997)

VCU Faculty Senate, 1994 - 1996 (alternate), 2005 - 2009, Executive Committee 2007 - 2009

VCU Honor Program Council alternate, 1994 - 1996

VCU Graduate Council, 1996 - 2002

VCU School of Medicine Committee on the Status of Women and Minorities, 1993 - 1995

VCU School of Medicine Merger Advisory Committee, 1993 - 1994