

## **Keynote Speaker: Developing a Research Question and Specific Aims Session: Choosing the Correct Research Methods and Measures**

Marilyn Hockenberry, PhD, RN, PNP-BC, FAAN, Baylor College of Medicine/Texas Children's Cancer Center

Dr. Marilyn Hockenberry is a Professor of Pediatrics in the Hematology/Oncology Division at Baylor College of Medicine. She served for many years as the Director for the Center for Research and Evidence-Based Practice (EBP) and for the Evidence-Based Outcomes Center for Texas Children's Hospital (TCH) in Houston, Texas. She is now a Consulting Professor at Duke University School of Nursing where she teaches Evidence-Based Practice and Research.



Her research focuses on symptom management and treatment-related side effects experienced by children who have cancer. Dr. Hockenberry current studies are evaluating treatment-related fatigue, neuro-cognitive deficits of leukemia treatment, and genetic variations associated with treatment-related symptoms and toxicities. She has authored over 70 articles and has served as the senior editor on the Wong nursing textbooks for the past 10 years. She serves as a member of the Children's Oncology Group Scientific Council.

Dr. Hockenberry completed her pre-nursing education at Mt. Vernon Nazarene College and received her Bachelors of Science from Capital University. She received her Masters of Science from Texas Woman's University and her doctorate of philosophy with distinction from the Medical College of Georgia. She is a Fellow of the American Academy of Nursing.

## **Session: Review and Critique of Literature**

Wendy Hobbie, CPNP, MSN, FAAN, The Children's Hospital of Philadelphia

Wendy Hobbie is a pediatric nurse practitioner and Associate Director of the Cancer Survivorship Program at The Children's Hospital of Philadelphia. She is also the Associate Program Director of the Pediatric Oncology Program at The University of Pennsylvania School of Nursing.

Wendy has worked with childhood cancer survivors since the early 1980s and was part of the initial team that developed the first comprehensive survivorship program in the country at The Children's Hospital of Philadelphia. This program serves as a model for survivorship care in both national and international venues.



Wendy has co-authored and edited two books that serve as resources for both patient and families and health care providers. Her research interests encompass both physical and psychological studies that examine the impact of the diagnosis of childhood cancer and the treatment effects on both the child and family.

## Session: Statistical Analysis

Ki Moore, DNSc, RN, FAAN, University of Arizona School of Nursing

Dr. Moore is Professor and Biobehavioral Health Science Division Director at the University of Arizona, College of Nursing. Dr. Moore received her BSN and MA with a major in pediatric nursing from the University of Iowa in Iowa City. She received her DNS from the University of California in San Francisco. She is an active member of APHON, ONS and the American Nurses Association.



The majority of Dr. Moore's research has focused the impact of leukemia treatment on the central nervous system (CNS), biomarkers, and neurocognitive outcomes of (CNS) therapies for pediatric cancers. She and Dr. Hockenberry are currently investigating oxidative stress as a mechanism of CNS injury associated with methotrexate, as well as relationships among oxidative stress, cognitive abilities, and academic outcomes. Dr. Moore also employs an animal model to further investigate mechanisms of CNS injury. She is currently studying gene expression changes in the hippocampus associated with methotrexate treatment. Dr. Moore's program of research has been strengthened by her abilities to form collaborations with colleagues in nursing, basic science, behavioral science, and pediatric oncology. The collective expertise enables her to incorporate a variety of methods that are robust in advancing knowledge about mechanisms of chemotherapy-induced CNS injury.

Dr. Moore has received numerous honors throughout her career including the Excellence in Graduate Teaching Award at the University of Arizona and the Distinguished Alumni Achievement Award at the University of Iowa. She has been the recipient of the Oncology Nursing Society/Schering Excellence in Cancer Nursing Research Award and most recently was inducted into the Sigma Theta Tau International Researcher Hall of Fame. Dr. Moore has published extensively, including journal articles in *Nursing Clinics of North America*, *Oncology Nursing Forum*, *Journal of Pediatric Oncology Nursing*, and *Biological Research for Nursing*, and *Pediatric Blood and Cancer*. She is also an author of several book chapters related to childhood cancer.

## Session: Working with Your Institutions (Consultants, IRB, Budget, Mentor)

Christina Baggott, PhD RN PNP-BC CPON, UCSF School of Nursing

Christina Baggott began her career in the mid-1980's as a pediatric oncology nurse at Children's National Medical Center in Washington, DC and received her master's degree from Emory University in 1990. She served as an advanced practice nurse at Packard Children's Hospital at Stanford for 15 years. She graduated from the doctoral program in nursing at the University of California, San Francisco (UCSF) in 2009 and joined the faculty at UCSF's Department of Physiological Nursing in November of that year. Dr. Baggott's program of research is focused on an evaluation of children's symptom experiences during cancer treatment.



Dr. Baggott has been active in the Children's Oncology Group (COG) for 15 years. Her roles within COG have been extensive and varied. Currently, she serves on a multidisciplinary subcommittee within COG to plan and conduct antiemetic research. In addition, Dr. Baggott served on an international research group to develop a pediatric mucositis assessment tool.

Dr. Baggott conducted a study entitled, Symptom Assessment with Patient Surveys which demonstrated the importance of patient reported outcomes in clinical research. Children (or their parents as proxy) reported a significantly higher number of symptoms when using a symptom checklist than was reported by clinicians in patients' charts. In addition, clinician assessments at times contradicted patient self-reports (or parent proxy report) of symptoms.

Dr. Baggott has worked with Christine Miaskowski, RN, PhD to evaluate patterns of symptom characteristics during a cycle of chemotherapy as well as the relationships among patient's functional status, symptom characteristics and quality of life. Future analyses planned for this data set include evaluation of: symptom clusters among children receiving chemotherapy, the degree of concordance between child and parent reports of symptoms and quality of life, and genetic analyses to search for a biological basis of the untoward effects of cancer treatment.

Dr. Baggott's current research projects include the evaluation of a computerized symptom assessment tool for young cancer patients and the development of a mobile phone application for symptom assessment in pediatric oncology.