

2022 ISONG World Congress

Holistic Approaches to Precision Health:
Intersection of Research, Education,
Practice, and Policy



November 11 - 13, 2022 (Pre-Congress: November 10) | Durham, North Carolina, USA | isong.org

Thursday, November 10, 2022

7:00 PM – 9:00 PM	Welcome Reception – Presidents Gallery Sponsored In Part By: Duke University School of Nursing and University of Pittsburgh School of Nursing
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Friday, November 11, 2022

8:00 AM – 9:10 AM	Breakfast & Sponsor Visits - Presidents Gallery		
9:10 AM – 9:20 AM	Opening Remarks & Flag Ceremony – Presidents I & II		
9:20 AM – 9:30 AM	President’s Welcome - Presidents I & II Susan W. Wesmiller, PhD, RN, FAAN		
9:30 AM – 10:30 AM	Opening Keynote: The Potential of Precision Medicine to Change the Healthcare Paradigm - Presidents I & II Lori A. Orlando, MD, MHS, MMCI Sponsored By: Logan Health		
10:30 AM – 10:45 AM	Refreshment Break & Sponsor Visits - Presidents Gallery		
10:45 AM – 11:45 AM	Global Panel: Preparing the Next Generation of Genomic Nurses – Presidents I & II Moderator: Sivia Barnoy, RN, PhD Wenxin Bian, BSN Lindsay Carlsson, RN, MN, PhD(c) Elle Elan, PhD(c), BSc Nurs, MSc Joanne Swidenbank, BN (hons), RN		
11:45 AM – 12:45 PM	Luncheon – Ambassador Ballroom		
12:45 PM – 1:15 PM	How-To Sessions – Presidents I-IV		
	Presidents I & II How to Engage Research Volunteers Nico Osier, PhD, RN	Presidents III How to Evaluate Somatic Genetic Test Results of Cancer Cells to Identify the Need for Germline Testing Lisa Aiello, PhD, RN, AOCNS	Presidents IV How to Equip & Empower Nurses as Change Agents for Precision Medicine Implementation in the Inpatient Environment with a Nurse-Prescriber Communication Tool Alexis K. Hall, PhD, MSP, RN
1:15 PM – 2:15 PM	Abstract Concurrent Session A		
	POLICY - Presidents I & II	MATERNAL - Presidents III	INFLAMMATION/CYTOKINES - Presidents IV
	Genomic Database Inclusion Advocacy for an Underserved, Underrepresented Population with a History of US Research Abuse Laura Hays	Stress and DNA Methylation Among Pregnant Latinas in the EPI Study Veronica Barcelona	A Worse Shortness of Breath Profile in Patients Undergoing Chemotherapy Is Associated with Perturbations in Hypoxia-Inducible Factors-1 Signaling and Inflammatory Pathways Joosun Shin
	Are Informed Consents Really Informed in the Era of Precision Health? Impact Reading Level has on Consumers Rebecca Kronk, Kim Subasic	Associations between Maternal Stress and Adversity, Infant Salivary Biomarkers, and Composition of the Infant Gut Microbiome Eileen Condon	Associations Between Cytokine Gene Variations and Palpitations in Patients Prior to Breast Cancer Surgery Ying Sheng
		Maternal Stress During Pregnancy and the Neonatal Gut Microbiome Maryam Hamidi	Perturbations in Inflammatory Pathways Are Associated with Pain, Fatigue, Sleep Disturbance, and Depressive Symptoms in Patients with Gynecologic Cancer Receiving Chemotherapy Christine Miaskowski
Measuring Genomic Literacy Among Nursing Students: Data from The Genomic Nursing Cyberhub Linda D Ward	Dynamics Of Vaginal Group B Streptococcus Colonization During Pregnancy Michelle Wright	Trajectories of Localized and Systemic Cytokine Change Following Aneurysmal Subarachnoid Hemorrhage Ansley Stanfill	

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2:15 PM – 2:30 PM	Refreshment Break & Sponsor Visits - Presidents Gallery		
2:30 PM – 3:30 PM	Abstract Concurrent Session B - Presidents I-IV		
	CLINICAL 1 - Presidents I & II	SYMPTOM - Presidents III	EDUCATION - Presidents IV
	Pharmacogenomics in Clinical Practice: A Webinar Series <i>Trina Walker</i>	A Prespecified Symptom Cluster Is Associated with Perturbations in Inflammatory Pathways in Outpatients Receiving Chemotherapy <i>Marilyn Hammer</i>	Knowledge and Attitudes of Nurse Educators Regarding Genetics Education <i>Jennifer Palmer</i>
	Genetic Testing Outcomes of An Advanced Practice Nurse Led Cancer Genetics Program in The Veterans Affairs <i>Lisa Aiello</i>	Gastrointestinal Symptom Cluster Is Associated with Trans Regulation of Lymphotoxin Beta (LTβ) In Oncology Patients Receiving Chemotherapy <i>Carolyn Harris</i>	Genetics Ethics Movie Reflection: A Novel, Fun, and Flexible Assignment Consistent with Teaching Best Practices <i>Nico Osier</i>
	Evaluation of Family and Community Social Network Characteristics Among High-Risk Family Members To Improve Cancer-Related Health Behaviors <i>Memnun Seven</i>	Higher Levels of Sleep Disturbance In Outpatients Undergoing Chemotherapy Are Associated With Perturbations In Neuro-Endocrine Pathways <i>Alejandra Calvo-Schimmel</i>	Precision Health/Precision Public Health: Developing a Workshop to Explore the Knowledge Gap for Patients and Providers <i>Sarah Dewell</i>
	Interventions Aiming To Improve Informed Decision on Prenatal Screening and Testing: A Scoping Review of the Literature <i>Memnun Seven</i>	Exploring Associations Between Metabolites, Symptoms, and Patient Reported Outcomes in Adolescents with Juvenile Idiopathic Arthritis <i>Kimberly Lewis</i>	Mental Health Nurses' Perspectives of the Challenges with Administration of Psychotropic Drugs <i>Anecita Gigi Lim</i>
3:30 PM – 4:00 PM	Poster Session I (#1 - #14) – Ambassador Gallery		
4:00 PM – 5:00 PM	Concurrent Sessions – Expert Lectures – Presidents I-IV		
	<i>Presidents I-II</i>	<i>Presidents III</i>	<i>Presidents IV</i>
	Intestinal Microbiota Signatures and Fecal Transplant in Cancer Therapy <i>Stephanie Prescott, PhD, APRN, NNPBC</i>	Steps to Integration of Precision Health and Genomics into a Baccalaureate Curriculum <i>Evangeline Fangonil-Gagalang, PhD, MSN, RN</i>	Epigenetic Explorations of the Biological Embedding of the Social Environment for Nursing Interventions <i>Sarah Moore, PhD</i>
From an Illness Model to a Wellness Model: Opportunities for Improving Psychosocial Care of Patients and Families at High Risk for Hereditary Cancer <i>Meghan Underhill-Blazey, PhD, APRN, FAAN</i>		Nurse-Led International Consortium on Cancer Predisposition Cascade Genetic Screening: Results and Experiences from Switzerland, Korea and Israel <i>Sivia Barnoy, RN, Ph.D.</i>	
5:00 PM – 5:30 PM	Sponsor Collaboration Meeting – Presidents I & II		
6:00 PM – 7:00 PM	Duke School of Nursing Tour (optional – more details to follow)		

Saturday, November 12, 2022

7:30 AM – 8:30 AM	Nature Walk on Campus (optional – more details to follow)
9:00 AM – 10:00 AM	Breakfast & Sponsor Visits - Presidents Gallery
10:00 AM – 10:10 AM	Announcements - Presidents I & II

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Saturday, November 12, 2022 (continued)

10:10 AM – 10:15 AM	President's Award - Presidents I & II <i>Susan W. Wesmiller, PhD, RN, FAAN</i>		
10:15 AM – 11:15 AM	Person-Centered Care and Population Health: It's in Our DNA - Presidents I & II <i>Laurie M. Connors, PhD(c), DNP, FNP-BC, AGN-BC, FAANP</i> Sponsored By: Horizon Therapeutics		
11:15 AM – 11:25 AM	Presentation of Grant Awards & Founders Awards - Presidents I & II		
11:25 AM – 11:40 AM	Refreshment Break & Sponsor Visits - Presidents Gallery		
11:40 AM – 12:00 PM	Concurrent Reviewers' Choice Abstracts – Presidents I-IV		
	<i>Presidents I & II</i>	<i>Presidents III</i>	<i>Presidents IV</i>
	Whole-Transcriptome Differential Gene Expression and Functional Neural Markers of Response to Mindfulness-Based Stress Reduction for Cognitive Problems During Aromatase Inhibitor Therapy for Breast Cancer <i>John Merriman</i>	The Application of an Engagement Framework to Support Genomics-informed Nursing in Canada <i>Lindsay Carlsson</i>	Evaluation of the Quality of Online Genetic and Genomic Educational Resources for Nurses and Healthcare Providers <i>Karen Whitt</i>
12:00 PM – 1:30 PM	Luncheon & Business Meeting - Ambassador Ballroom		
1:30 PM – 2:30 PM	Concurrent Sessions – Expert Lectures – Presidents I-III		
	<i>Presidents I-II</i>	<i>Presidents III</i>	
	The BDNF Val66Met Polymorphism, Regular Exercise, and Cognition: A Series of Three Studies <i>Tingting Liu, PhD, RN</i>	How to Spot a Zebra: Dymorphology Assessment <i>Kara Morgan, DNP, APRN, CPNP-PC, CGC, APRN</i>	
	Integrating Genomic into the Nursing Curricula Using a Family Perspective <i>Marcia Van Riper, PhD, RN, FAAN</i>	De-mystifying Genomics Using Popular Culture, Memes, and the Power of a Laugh <i>Elle Elan, PhD(c), BSc Nurs, MSc</i>	
2:30 PM – 2:45 PM	Refreshment Break & Sponsor Visits - Presidents Gallery		
2:45 PM – 3:15 PM	Poster Session II (#15 - #27) – Ambassador Gallery		
3:15 PM – 4:15 PM	Abstract Concurrent Session C – Presidents I-IV		
	<i>CLINICAL 2 - Presidents I & II</i>	<i>EPIGENETICS - Presidents III</i>	<i>BIOMARKER RESEARCH - Presidents IV</i>
	Novel de Novo Mutation in Woman With Clinical Gorlin Syndrome: A Case Study <i>Kristina Schultz-Tanner</i>	Relationship Between Epigenetic Age Acceleration and Chronic Low Back Pain Status in Adults <i>Pamela Jackson</i>	NTRK2 Genotypes Are Associated with Symptom Severity After Traumatic Orthopaedic Injuries <i>Stephen Breazeale</i>
	The DNA of Genomics Nursing: Decoding a Nursing Needs Assessment <i>Kara Mangold</i>	Investigation Of Genetic and Epigenetic Prolactin Receptor Variants On Perception Of Breast and Nipple Pain And Lactation Insufficiency <i>Tumilara Amoo</i>	Role of microRNAs in Patients Undergoing HCT <i>Lathika Mohanraj</i>
	Taking Genetics to the Primary Care Setting: Baby Health Service <i>Delwin Jacoby</i>	Morning Fatigue Severity in Patients Undergoing Chemotherapy is Associated with Epigenetic Variation of Regulatory Regions of Genes in the Perturbed NK Cell Mediated Cytotoxicity Pathway <i>Kober Kord</i>	Cognitive-Psychological Functioning and Saliva MicroRNA Expression after Home-based Dual-Task Exercise in Asians and Pacific Islanders with History of Mild Traumatic Brain Injury <i>Hyunhwa Lee</i>
	High Incidence of Obstructive Sleep Apnea Among Youth with Down Syndrome: Importance of AAP Screening Guidelines <i>Joanna Spahis</i>	The Role of the Placental Epigenome on Positive Child Health Outcomes <i>Hudson Santos</i>	Microtubule Stability is a Regulator of the Circadian Timing System in Cystic Fibrosis <i>Eric Barbato</i>

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Saturday, November 12, 2022 (continued)

4:15 PM – 5:00 PM	ANA Scope & Standards Fireside Chat - Presidents I & II <i>Lisa M. Blair, PhD, RN</i> <i>Dennis J. Cheek, RN, PhD, FAHA</i> <i>Laura Hays, PhD, APRN, CPNP-PC, FAHA</i>
5:00 PM	Raffle - Presidents I & II

Sunday, November 13, 2022

8:00 AM – 9:00 AM	Breakfast & Sponsor Visits - Presidents Gallery
9:00 AM – 9:10 AM	Announcements & Student Poster Winners - Presidents I & II
9:10 AM – 9:40 AM	Incoming President's Address - Presidents I & II <i>Laurie M. Connors, PhD(c), DNP, FNP-BC, AGN-BC, FAANP</i>
9:40 AM – 10:25 AM	"Oh The Places You'll Go" Dr. Seuss: Why Natural History Studies are Important - Presidents I & II <i>Deborah Tamura, MS, RN</i> <i>Carol Van Ryzin, RN, CPNP</i>
10:25 AM – 10:40 AM	Refreshment Break & Sponsor Visits - Presidents Gallery
10:40 AM – 11:40 AM	Closing Keynote: Multi-Omics and Mixed-Approaches Are Needed for Precision Health - Presidents I & II <i>Hudson Santos, PhD, RN, FABMR</i>
11:40 AM	Congress Concludes

The International Society of Nurses in Genetics (ISONG) and the University of Pittsburgh School of Nursing are collaborating to provide nursing continuing professional development (NCPD) contact hours for the educational activity entitled - The 2022 ISONG World Congress – Holistic Approaches to Precision Health: Intersection of Research, Education, Practice and Policy. Nurses completing the entire activity and evaluation tool may be awarded a maximum of 18.25 contact hours of NCPD (Pre-Congress six (6) contact hours, Congress 12.25 contact hours with one (1) hour of pharmacotherapeutic content. The University of Pittsburgh School of Nursing is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission Accreditation.