



2020 ISONG Congress Agenda
(All times are listed in Eastern Standard Time (GMT-5))

Thursday, November 12
Live Pre-Congress Sessions

9:00 AM - 12:00 PM Concurrent Sessions

SESSION A

Getting Omics into the Mix: Strategies for Research and Education



Eric Barbato, RN, PhD
Case Western Reserve University
Cleveland, OH, USA



McKenzie Wallace, PhD, RN
University of Pittsburgh School of Nursing
Pittsburgh, PA, USA

This workshop will strengthen this critical research field by educating and refreshing current nurse scientists and those in training and offer an opportunity for sharing strategies used by peers when integrating omics technologies into nursing research and education. More specifically, this workshop will cover available omics technologies, strategies for their use, recommendations for education about them, and techniques for collaboration among peers in the nursing genetics world.

SESSION B

Integrating Sex and Gender in Nursing Omics Research



Patricia Silveyra, PhD
The University of North Carolina at Chapel Hill
Chapel Hill, NC, USA

This workshop will provide an overview of strategies, methods, and research designs incorporating sex and gender variables, with an emphasis on “omics” studies that can lead to novel discoveries to better understand sex/gender-related health disparities, and can profoundly change healthcare policies and strategies to improve the quality of nursing education and clinical work. The material covered will equip participants with basic concepts on “omics” experimental approaches, as well as research designs incorporating sex as a biological variable and tools to redirect their research to the study of sex and gender differences.

1:00 PM - 4:00 PM

SESSION C

Pharmacogenomics and Clinical Practice



Dennis J. Cheek, RN, PhD, FAHA
Texas Christian University
Fort Worth, TX, USA

Pharmacogenomics has strong potential to improve patient outcomes. Nurses play a critical role in pharmacogenomics' research and therapeutics and clinical care for patients. In this Pre-Congress Workshop, Dr. Cheek will share his extensive knowledge and experience with pharmacogenomics to inform current and future knowledge for nurses in genomics. Dr. Cheek's workshop is comprehensive for novel and advanced genomic nurses, and will cover basics of pharmacogenomics, implications of pharmacogenomics testing, current use of pharmacogenomics therapeutics and its impact my clinical practice. Additionally, participants will learn and discuss about the future of pharmacogenomics and nursing.





Friday, November 13, 2020

- 8:30 AM - 9:00 AM Speed Networking in the Networking Lounge
- 9:00 AM - 9:10 AM **Opening Remarks and Flag Ceremony**
Michael Groves, PhD, RN, CNE
- 9:10 AM - 10:10 AM **Global Panel: Genomic Practice and Research during a Pandemic**
Moderators:
Sivia Barnoy, RN, PhD
Kathleen Sparbel, PhD, FNP-BC

Panelists:
Peter James Abad, RN, MS Genetic Counseling
Naoko Arimori, PhD
Lea Godino, PhD, RN, EBMG Genetic Counselor
Erika Maria Monteiro Santos, PhD
- 10:10 AM - 10:25 AM Virtual Refreshment Break; Visit Sponsors and Posters
- 10:25 AM - 10:30 AM **President’s Welcome**
Dennis J. Cheek, RN, PhD, FAHA
- 10:30 AM - 11:30 AM **Opening Keynote: Fulfilling Nightingale’s Legacy of Care**
Gwyneth Milbrath, PhD, RN, MPH
- 11:30 AM - 12:30 PM **Plenary Presentation: Circles and Squares and Diamonds, Oh My! – A Guide to Walking Down the Road of Assessing Modern Pedigree Nomenclature**
Elizabeth Sheehan, MS, LCGC
- 12:30 PM - 1:30 PM Lunch Break
One-to-One Speed Networking Session or grab a Seat in the Networking Lounge to Chat with Colleagues
- 1:30 PM - 2:00 PM **Concurrent Expert Lectures**

BREAKOUT ROOM A

A Nod to Nightingale: Addressing Health Disparities through Responsible Biomarker Approaches
Keesha Powell-Roach, PhD, RN, Staja Booker, PhD, RN, Jennifer Dungan, PhD, RN

BREAKOUT ROOM B

What Would Flo Do – in the Era of Symptomics?
Yvette Conley, PhD, FAAN, Christine Miaskowski, RN, PhD

BREAKOUT ROOM C

Implementing RNA Sequencing in Nursing Research: What Nurses Need to Know
Monica Wagner, PhD, RN





Friday, November 13, 2020 (continued)

2:00 PM - 2:30 PM

Concurrent Expert Lectures

BREAKOUT ROOM A

Exploring African American Community Perspectives about Genomic Medicine Research and Overcoming Concerns as Barriers to Participation

Lauren Edgar RN, MSN-Ed., Rachel Hendricks-Stirrup, DHSc, MSc, MA, Tracey Johnson-Glover, MSN Ed, RN

BREAKOUT ROOM B

How Would Florence Analyze it? Statistical Genetics for the Nurse Scientist

Lacey Heinsberg, PhD, RN

BREAKOUT ROOM C

Benefits of a Multi-staged Integrated Genomic Analysis

Kord Kober, PhD

2:30 PM - 2:50 PM

Virtual Refreshment Break; Visit Sponsors and Posters

2:50 PM - 3:05 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Nursing Student Knowledge of Genetics and Genomics: Comparing Three Countries

Sarah Dewell

BREAKOUT ROOM B

Utilization Of Epigenome-wide DNA Methylation For Longitudinal Comparison Of Leukocyte Proportions Across Preeclamptic And Normotensive Pregnancy

Mitali Ray

BREAKOUT ROOM C

Inflammatory and Immune Response Related Gene Co-expression Modules Are Associated With Evening Fatigue in Patients Undergoing Chemotherapy (CTX)

Kord Kober

3:05 PM - 3:20 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Educational Interventions to Improve Nurses' competency in Genetics and Genomics: A Scoping Review

Basil Zureigat

BREAKOUT ROOM B

Methodologic Considerations for Epigenetic Investigation of Preterm Birth, Neighborhood Disorder, and Distress in Pregnant African American Women

Alexandra Nowak

BREAKOUT ROOM C

A Higher Symptom Burden in Patients Undergoing Chemotherapy Is Associated with Perturbations in Core Biological Pathways

Carolyn Harris





Friday, November 13, 2020 (continued)

3:20 PM - 3:35 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Teaching Genetics with a Sense of Salience for the Advanced Practice Nurse
Ruth Lucas

BREAKOUT ROOM B

Combining Omics and "Home'ics": A Longitudinal Analysis of C-Reactive Protein, Lipoprotein (a), and Lifestyle Behaviors in Pregnancy
McKenzie Wallace

BREAKOUT ROOM C

Polymorphisms in Cancer Susceptibility Genes and Cardiovascular Events in Women with Breast Cancer in the Women's Health Initiative
Alexi Vasbinder

3:35 PM - 3:50 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Undergraduate Nurses: Identifying Knowledge Gaps in Genetics and Genomics
Bobbi Laing

BREAKOUT ROOM B

DNA Methylation Profiling of Preeclampsia Across the Three Trimesters of Pregnancy
Mandy Schmella

BREAKOUT ROOM C

Taste Changes in Patients Undergoing Chemotherapy are Associated with Perturbations in Inflammatory Pathways
Paule Joseph

3:50 PM - 4:05 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Muir-Torre Syndrome: Identification and Management of a Rare Lynch Variant
Susan Montgomery

BREAKOUT ROOM B

Perturbations in Inflammatory and Neuroendocrine Pathways Are Associated with the Severity of Cancer Related Cognitive Impairment (CRCI)
Kate Opegaard

BREAKOUT ROOM C

Disturbed Sleep, DNA Methylation, and Spontaneous Preterm Birth among a Low-risk Prospective Cohort of African American Women
Shannon Gillespie

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Silver Level





Friday, November 13, 2020 (continued)

4:05 PM - 4:20 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Possible Acquired Gastrointestinal Polyposis in a Childhood Cancer Survivor
Cynthia Snyder

BREAKOUT ROOM B

Genetic Variability of Genes Involved in the Nrf2 Antioxidant Response Element Signaling Pathway and Patient Outcomes Following a Severe Traumatic Brain Injury
Tara Davis

BREAKOUT ROOM C

A Systematic Review of Global Initiative to Unravel Genetic Factors Associated with Susceptibility and Severity in the COVID-19 Pandemic
Theresa Wadas

4:20 PM - 4:35 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Case Report of a Rare Genetic X-Linked Condition Presenting with Unusual Cutaneous Lesions
Delwin Jacoby

BREAKOUT ROOM B

Polymorphism in a Clock Gene is Associated with Higher Levels of Objective but not Subjective Levels of Sleep Disturbance
Christine Miaskowski

BREAKOUT ROOM C

Personalized Medicine Decision Making in a Virtual Clinical Setting
Patricia Brennan

4:35 PM - 4:50 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Beauty and the Beast: Fairy Tale or Genetic Based Condition
Delwin Jacoby

BREAKOUT ROOM B

Predicting Neurodevelopmental Outcomes of Preterm Infants Using Multi-Omic Measures: A Pilot Study
Sharon Casavant

BREAKOUT ROOM C

Test/Retest Reliability of a Turkish Version of the Genetics and Genomics in Nursing Practice Survey (GGNPS)
İlknur Yesilcinar

4:50 PM - 5:20 PM

Sponsor/Vendor Roundtable (LIVE Session) – Join in as the ISONG Board, committee chairs and members discuss Strategic Partnerships and Collaborations with ISONG sponsors.





Saturday, November 14, 2020

- 8:30 AM - 9:00 AM Speed Networking in the Networking Lounge
- 9:00 AM - 9:10 AM **Congress Announcements**
Michael Groves, PhD, RN, CNE
- President's Awards**
Dennis J. Cheek, RN, PhD, FAHA
- 9:15 AM - 10:15 AM **Keynote Presentation: A Translational Approach towards Understanding the Role of Epigenetics in Maternal Care**
Chris Murgatroyd, BSc, MSc, PhD
- 10:15 AM - 10:35 AM Virtual Refreshment Break; Visit Sponsors and Posters
- 10:35 AM - 10:45 AM **Research Awards Presentation**
Michelle Wright, PhD, RN and Tara Albrecht, PhD, ACNP-BC, ACHPN, RN
ISONG Research Committee Co-chairs
- 10:45 AM - 11:05 AM **Reviewers' Choice Abstracts**
(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Choice Architecture in the Genomic Era: Evidence of Framing Effects on Genetic Testing Decisions
Andrew Dwyer, PhD, FNP-BC, FNAP

BREAKOUT ROOM B

Patient Outcome and NGS Database: Skimming the POND
Elizabeth Hassen, PhD(c), MSN, RN, OCN

BREAKOUT ROOM C

Project Baby Bear: The First State-funded Quality Improvement Project of rWGS in NICU and PICU
Sara Caylor, RN, BSN

- 11:05 AM - 11:50 AM **Fireside Chat: Dialogue and Q&A with the National Institute of Nursing Research (LIVE SESSION)**
Lois Tully, PhD and Shannon N. Zenk, PhD, MPH, RN, FAAN
- 11:50 AM - 12:30 PM Lunch Break and Speed Networking in the Networking Lounge
- 12:30 PM - 1:20 PM **ISONG Business Meeting**
Beth A. Kassalen, MBA
- Presentation of Founders' Awards**
Cathy Read, PhD, RN





Saturday, November 14, 2020 (continued)

1:20 PM - 1:50 PM

Expert Lectures

BREAKOUT ROOM A

Perceptions and Complexities of Families in Underserved Areas and Genetic Testing

Esma Paljevic, EdD, RN, CPNP, FNYAM

BREAKOUT ROOM B

OMICS Nursing Science and Education Network (ONSEN)

Kathleen Calzone, PhD, RN, AGN-BC, FAAN, Yvette Conley, PhD, FAAN, Lois Tully, PhD, Jacqueline Taylor, PhD, PNP-BC, FAHA, FAAN

BREAKOUT ROOM C

The Intersection of Nursing, Genomics, and Disability

Rebecca Kronk, PhD, MSN, CRNP, FAAN, CNE, ANEF

1:50 PM - 2:20 PM

Expert Lectures

BREAKOUT ROOM A

Forging a Path to Successful Pediatric Genomic Research

Karin Reuter-Rice, PhD, CPNP-AC, FCCM, FAAN

BREAKOUT ROOM B

Using Publicly Available Multi-Omic Datasets to Enhance a Program of Research

Ansley Stanfill, PhD, RN

BREAKOUT ROOM C

Understanding the Broker Role of Nurse Clinician-Researchers in Program Science: Implementing Point-of-Care Testing Programs for Early Diagnosis of Sickle Cell Disease in LMICs

Cheedy Jaja, PHD, MPH, MSN, PMHNP-BC, APRN

2:20 PM - 2:40 PM

Virtual Refreshment Break; Visit Sponsors and Posters

2:40 PM - 2:55 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Improving Access to Care for Children with Down Syndrome During the COVID-19 Pandemic

Joanna Spahis

BREAKOUT ROOM B

Characterization of Cerebrospinal Fluid DNA Methylation Age Following Subarachnoid Hemorrhage

Lacey Heinsberg

BREAKOUT ROOM C

Training Programs at NINR and the Symptom Science Center: Leveraging Partnerships and Promoting Scholarship

Pamela Tamez





Saturday, November 14, 2020 (continued)

2:55 PM - 3:10 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Analytic Characteristics and Performance of Novel Immunoassay Point-of-Care Tests for Early Diagnosis of Sickle Cell Disease
Cheedy Jaja

BREAKOUT ROOM B

DNA Methylation in African American Women with a History of Preterm Birth from the InterGEN Study
Veronica Barcelona

BREAKOUT ROOM C

Phenotypic Characterization and Genetics of Pain Profiles in Sickle Cell Disease
Mitchell Knisely

3:10 PM - 3:25 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Reimbursement on Genetic Services Provided by Nurses
Andrea Hartgraves

BREAKOUT ROOM B

Caregiver Stress Accelerates Biological Aging: A Scoping Review Implicating Telomeres and Epigenetics
Lena Lee

BREAKOUT ROOM C

A Potential Phenotype of Genetic Risk for Breastfeeding Pain for Breast and Nipple Pain in Breastfeeding Women
Ruth Lucas

3:25 PM - 3:40 PM

Concurrent Abstract Sessions

(Presenter is listed. All contributing authors are listed in the Presenter Directory.)

BREAKOUT ROOM A

Rapid Transition from Out-Patient Genetics Clinics to Telehealth Genetics Service in Response to the 2020 COVID 19 Pandemic: Utilization of Rogers Diffusion of Innovations
Delwin Jacoby

BREAKOUT ROOM B

Epigenetic Age and Frailty in Hematopoietic Stem Cell Transplantation Patients
Lathika Mohanraj

BREAKOUT ROOM C

Development of a Healthcare Genetics and Genomics Graduate Certificate Program at a University in Southeastern US
Alex Sargsyan

3:40 PM - 4:40 PM

Poster Session (Posters #1 - #13)





Sunday, November 15, 2020

8:30 AM - 9:00 AM	Speed Networking in the Networking Lounge
9:00 AM - 9:10 AM	Congress Announcements <i>Michael Groves, PhD, RN, CNE</i>
9:10 AM - 9:15 AM	LIVE Student Poster Awards <i>McKenzie Wallace, PhD, RN</i> Congress Planning Committee Poster Chair
9:15 AM - 9:45 AM	Incoming ISONG President's Address <i>Rebecca Kronk, PhD, MSN, CRNP, FAAN, CNE, ANEF</i>
9:45 AM - 10:45 AM	Poster Session (Posters #14 - #28)
10:45 AM - 11:30 AM	Expert Lecture: Realising Nightingale's Leadership Principles and Practices of Advocacy: The Global Genomics Nursing Alliance Advocating for Nursing Capacity and Capability to Deliver Non-Specialist Genomic Healthcare <i>Kathleen Calzone, PhD, RN, AGN-BC, FAAN, Andrew Dwyer, PhD, FNP-BC, FNAP, Emma Tonkin, PhD, BSc (Hons)</i>
11:30 AM - 11:45 AM	Virtual Refreshment Break; Visit Sponsors and Posters
11:45 AM - 12:45 PM	Closing Keynote: Nightingale's Trajectory through an Ethics Lens <i>Martha Turner, PhD, RN-BC, FAAN</i>
12:45 PM - 12:50 PM	Congress Closing Comments <i>Michael Groves, PhD, RN, CNE</i> <i>Lynnette Howington, DNP, RNC, WHNP-BC, CNL</i>

ISONG Vision Caring for people's genetic and genomic health throughout the lifespan and across the continuum of health and disease.

ISONG Mission To serve both the nursing profession and the public. ISONG fosters and advocates for the scientific and professional development of its members and the nursing community, in the discovery, interpretation, application, and management of genomic information, for the promotion of the public's health and wellbeing. ISONG advocates for public understanding of genomic health and use of genomic information.

