

Genomic Nursing: Fulfilling Nightingale's Legacy of Care



Virtual Congress Brochure

November 13 - 15, 2020
(Pre-Congress November 12, 2020)



2020 ISONG World Congress
International Society of Nurses in Genetics

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Duquesne University School of Nursing is a proud sponsor of the Genetic Nursing Research Grant.



ISONG VIRTUAL CONGRESS

All times are listed in Eastern Time (GMT-5)

On behalf of the 2020 ISONG Congress Planning Committee, welcome to the virtual 2020 Congress: "Genomic Nursing: Fulfilling Nightingale's Legacy of Care." While the ongoing pandemic has affected our plans to be together in person this November, we are fortunate to have this opportunity to connect virtually with genetic/genomic nursing colleagues around the world.

The World Health Organization designated 2020 as the Year of the Nurse and Midwife. Certainly, no one could have predicted the role of the nurse attaining such a high-profile this year. In addition, the importance of genetics and genomics has received much attention as global scientists address the virus and its impact on the population. The pandemic has offered nurses everywhere the opportunity to model health teachings initiated by Florence Nightingale years ago and demonstrate the relevance of these teachings today. Some of these teachings* include:

- Never, ever stop learning
- Ground yourself and your work in facts and evidence
- Keep your standards high
- If you see something that needs to be changed, change it!

We look forward to exciting presentations by our keynote and plenary speakers, expert lecturers, and oral/poster abstract presenters as they show us how they embody the teachings of Florence Nightingale through their scholarship.

The 2020 ISONG Congress will provide the attendee the opportunity to:

- Identify the historical and sustained contribution of genetic/genomic nursing to the scientific nursing endeavor.
- Engage with colleagues in developing strategies to advance practice, research, and education in genetic/genomic nursing.
- Synthesize new knowledge across the spheres of research, education, and practice to inform and invigorate the future of genetic/genomic nursing.

Please remember the vital support of our Congress sponsors and visit each exhibit booth virtually to learn about new and valuable contributions to health care and education.



Michael Groves, PhD, RN, CNE
Congress Co-chair
Associate Professor of Nursing
Shepherd University
Shepherdstown, WV, USA



Lynnette Howington, DNP, RNC, WHNP-BC, CNL
Congress Co-chair
Associate Professor of Professional Practice
Texas Christian University
Fort Worth, TX, USA

*<https://ajnonline.com/parting-thoughts-10-lessons-learned-from-florence-nightingales-life/>





2020 Student Correspondents

Our three student correspondents will be posting live updates to our social media platforms using these hashtags: **#NursesInGenetics** **#ISONG2020** **#YearOfTheNurseandMidwife**
Please post during the Congress using the same hashtags!



Stephanie Chidester, RN, BSN
Pre-doctoral Fellow
National Institute of Nursing Research
Bethesda, Maryland, USA
PhD Candidate
University of Missouri-St. Louis
St. Louis, Missouri, USA



Abdul R. Kargbo
Bachelor's Student of Nursing
The Ohio State University
Columbus, Ohio, USA



Anndra Margareth Dumo, MSc, MA, BSN, RN, RM
PhD Candidate
University of Eastern Finland, Kuopio Campus
Faculty of Health Sciences, Department of Nursing Science
Kuopio, Finland



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Thank You to the 2020 ISONG Planning Committee



Co-chair Michael Groves, PhD, RN, CNE



Co-chair Lynnette Howington, DNP, RNC, WHNP-BC, CNL



Sivia Barnoy, RN, PhD



Jessica Davis, PhD Student, BSN, RN, CCRN, IBCLC



Anndra Margareth Dumo, PhD Student, MSc, MAN, BSN, RN, RM



Sylvia S. Estrada, DNP, WHNP-BC, AGN-BC, CBCN



Jane Garvin, PhD, APRN, FNP-BC



Margaret Hornung, FNP-BC, CPBN



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



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Dhaneesha Bahadur, PhD Student, MSN, RN, LNCC



Masakazu Nishigaki, PhD, RN, CGC





For the best virtual experience:

1. You will need to use a desktop computer *with a camera* to utilize the interactive functions of this platform. Airmet is **not compatible with mobile devices or tablets.**
2. You must [download and use the latest version of Google Chrome](#) as your web browser.
3. Give Airmet access to your mic and camera.
4. Ensure your internet connection is via an ethernet cable or a stable wifi connection. A mobile hotspot is not recommended.

DURING Congress, we encourage you to:

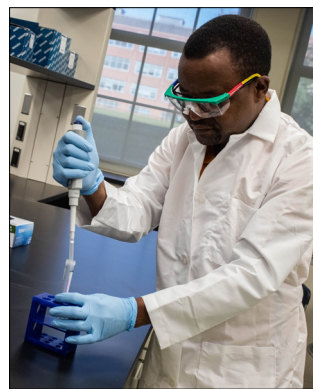
- Participate in the unique 1:1 Speed Networking feature.
- Spend time with ISONG's valuable sponsors – they financially support the organization and have great products and resources for genetic/genomic nurses.
- Use the **CHAT FEATURE** within the Airmet to make comments and ask questions of the presenter in real time.
- Use the Raise Your Hand feature to come "on stage" and ask a question of the presenter during live sessions.
- Share your email with colleagues privately and publicly using **CHAT**.
- Use **CHAT** to locate the link to the next session or ask any questions.

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- Brain Imaging Research Center
- Institute for Systems Genomics and Computational Biology Core



POSTER ABSTRACTS

Please visit the poster PDFs when you have time throughout the Congress. They are available by viewing the online agenda and finding the two Poster Session times within the agenda:

Saturday, November 14, 2020: 3:40 PM – 4:40 PM EST, Posters #1- #13

Sunday, November 15, 2020: 9:45 AM – 10:45 AM EST, Posters #14 - #28

Click on the Poster Session box and see a list of posters for each day with the option to download the PDF to view.

POSTER SESSIONS

Saturday, November 14, 2020: 3:40 PM – 4:40 PM EST, Posters #1- #13

Sunday, November 15, 2020: 9:45 AM – 10:45 AM EST, Posters #14 - #28

The Poster Sessions will take place in Zoom. Poster authors will be available in their individual Zoom rooms to answer questions about their poster. The Zoom IDs and instructions will be provided via email to attendees the morning of each Poster Session.

NETWORKING

Networking is an essential part of the ISONG Congress. The ISONG virtual platform offers a Networking Lounge where small groups can meet at individual tables and where a unique digital form of 1:1 speed networking will take place. We encourage you to schedule small group meetings with colleagues by inviting attendees to join you at a table in the networking lounge. Grab a seat at a table by clicking on an open chair.

CONTINUING EDUCATION

The International Society of Nurses in Genetics (ISONG) and the University of Pittsburgh School of Nursing are collaborating to present The 2020 ISONG World Congress: "Genomic Nursing: Fulfilling Nightingale's Legacy of Care" Professional nurses participating in the activity and completing the evaluation tool may receive a maximum of 18.75 contact hours (Pre-Congress: 6 {3 of these contact hours may be used for Pharmacotherapeutics}; Congress: 12.75). 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 on Accreditation.

ISONG will offer continuing education credits, as noted above, to all conference attendees who purchased the option during registration. If you did not purchase during registration, you will be given the option during the meeting evaluation. After the conference, all attendees requesting CEUs are required to complete the Congress and/or Pre-Congress Evaluation by **Monday, November 23, 2020**.

PRESENTER DIRECTORY

Details about presenters are listed on the Presenter Directory pages, starting on page 20. In most cases, presenters are listed in alphabetical order by last name based on the session-type: Keynote, Plenary, Global Panel, Expert Lecture, Podium Abstracts and Poster Abstracts.



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.





Genomic Nursing: Fulfilling Nightingale's Legacy of Care



November 13 - 15, 2020 | 2020 ISONG Virtual Congress

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Here, progress is always in progress.



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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 Oppegard

BREAKOUT ROOM C

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

Medical Educational Grants to support the 2020 ISONG Congress provided by:

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.





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SILVER



Duquesne University School of Nursing is a pioneer in nursing education including the nation's first online PhD in nursing program. NLN Center of Excellence and ranks No. 45 in the U.S. News 2020 Best Online Graduate Program rankings. Programs: BSN; Second-Degree BSN; MSN/post-master's certificates: Family NP, Adult-Gerontology Acute Care NP and Psychiatric-Mental Health NP, Nursing Education/Faculty Role, Forensic Nursing; PhD Nursing; PhD Nursing Ethics; DNP tracks in Clinical Leadership, and Executive Nurse Leadership/Health Care Management.

UNIVERSITY



Located in Storrs, CT, UConn's School of Nursing offers accredited programs for bachelor's and accelerated degrees, numerous master's programs including post-graduate certificates, and DNP and PhD programs. The School of Nursing is also ranked in the top 10 percent nationally and top 5 of graduate nursing programs in New England, with research centers in pain management and nursing scholarship and innovation.



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EXHIBITOR



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Presenter Directory

Keynote Speakers in Order of Appearance



Fulfilling Nightingale's Legacy of Care

Gwyneth Milbrath, PhD, RN, MPH

Midwest Nursing History Research Center Associate

Department of Health Systems Science

University of Illinois Chicago

Chicago, Illinois, USA



A Translational Approach towards Understanding the Role of Epigenetics in Maternal Care

Chris Murgatroyd, BSc, MSc, PhD

Associate Professor/Reader

Manchester Metropolitan University

Manchester, United Kingdom



Nightingale's Trajectory through an Ethics Lens

Martha Turner, PhD, RN-BC, FAAN

Consultant, Center for Ethics and Human Rights

American Nurses Association

Adjunct Professor

University of Minnesota

Inver Grove Heights, Minnesota, USA





Plenary Speakers in Order of Appearance



President's Welcome

Dennis J. Cheek, RN, PhD, FAHA
ISONG President 2019-2020
Abell-Hanger Professor
Texas Christian University
Fort Worth, TX, USA



Circles and Squares and Diamonds, Oh My! – A Guide to Walking Down the Road of Assessing Modern Pedigree Nomenclature

Elizabeth Sheehan, MS, LCGC
Genetic Counselor
Magee-Womens Hospital of UPMC
Pittsburgh, Pennsylvania, USA



Fireside Chat: Dialogue and Q&A with the National Institute of Nursing Research

Lois Tully, PhD
Program Director, National Institute of Nursing Research
National Institutes of Health
Bethesda, Maryland, USA



Shannon N. Zenk, PhD, MPH, RN, FAAN
Director, National Institute of Nursing Research
National Institutes of Health
Bethesda, Maryland, USA



Incoming President's Address

Rebecca Kronk, PhD, MSN, CRNP, FAAN, CNE
ISONG President 2020-2021
Associate Professor
Associate Dean of Academic Affairs/Center for Faculty Development and Engagement
Duquesne University School of Nursing
Pittsburgh, Pennsylvania, USA





Plenary Speakers in Order of Appearance (*continued*)



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

Kathleen Calzone, PhD, RN, AGN-BC, FAAN

Research Geneticist

National Cancer Institute, National Institutes of Health

Bethesda, Maryland, USA



Andrew Dwyer, PhD, FNP-BC, FNAP

Assistant Professor

Boston College

Boston, Massachusetts, USA



Emma Tonkin, PhD, BSc (Hons)

Associate Professor

University of South Wales

Pontypridd, United Kingdom





Global Panel: Genomic Practice and Research during a Pandemic

Panelists:



Peter James Abad, RN, MS Genetic Counseling
Assistant Professor
University of the Philippines Manila
Manila, Philippines



Naoko Arimori, PhD
Professor
Niigata University
Niigata, Japan



Lea Godino, PhD, RN, EBMG Genetic Counselor
Genetic Nurse
University Hospital Policlinico Sant'Orsola-Malpighi
Bologna, Italy



Erika Maria Monteiro Santos, PhD
Advanced Practice Nurse
Hospital Beneficiencia Portuguesa de Sao Paulo
Sao Paulo, SP, Brazil

Moderators:



Sivia Barnoy, RN, PhD
Lecturer, Head of Nursing Department
Tel-Aviv University
Tel-Aviv, Israel



Kathleen Sparbel, PhD, APRN, BC, FNP
Clinical Associate Professor
University of Illinois at Chicago
Davenport, Iowa, USA





Expert Lectures Alphabetical by First Author



OMICS Nursing Science and Education Network (ONSEN)

Kathleen Calzone¹, Lois Tully², Yvette Conley³, Jacquelyn Taylor⁴

¹National Cancer Institute, Bethesda, MD, USA, ²National Institute of Nursing Research, Bethesda, MD, USA, ³University of Pittsburgh, Pittsburgh, PA, USA, ⁴Columbia University, New York, NY, USA



What Would Flo Do – In the Era of Symptomics?

Yvette Conley¹, Christine Miaskowski²

¹University of Pittsburgh, Pittsburgh, PA, USA, ²University of California, San Francisco, CA, USA



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

Lauren Edgar^{1,2}, Rachele Hendricks-Sturup³, Tracey Johnson-Glover^{2,4}, Christine Lu³

¹Aspen University, Denver, CO, USA, ²Southern Nevada Black Nurses Association, Las Vegas, NV, USA, ³Harvard Pilgrim Health Care Institute and Harvard Medical School, Boston, MA, USA, ⁴Touro University, Henderson, NV, USA



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

Lacey Heinsberg

University of Pittsburgh, Pittsburgh, PA, USA





Expert Lectures Alphabetical by First Author (*continued*)



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

University of South Carolina, Columbia, SC, USA



Benefits of a Multi-staged Integrated Genomic Analysis

Kord Kober

UCSF School of Nursing, San Francisco, CA, USA, UCSF Bakar Computational Health Sciences Institute, San Francisco, CA, USA, UCSF Helen Diller Family Comprehensive Cancer Center, San Francisco, CA, USA



The Intersection of Nursing, Genomics, and Disability

Rebecca Kronk

Duquesne University, Pittsburgh, PA, USA



Perceptions and Complexities of Families in Underserved Areas and Genetic Testing

Esma Paljevic

Pace University, New York, NY, USA



Forging a Path to Successful Pediatric Genomic Research

Karin Reuter-Rice

Duke University, Durham, NC, USA





Expert Lectures Alphabetical by First Author (*continued*)



A Nod to Nightingale: Addressing Health Disparities Through Responsible Biomarker Approaches

Keesha Roach, Staja Booker, Jennifer Dungan

University of Florida, Gainesville, FL, USA



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

Ansley Stanfill, Xueyuan Cao

University of Tennessee Health Science Center, Memphis, TN, USA

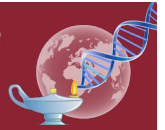


Implementing RNA Sequencing in Nursing Research: What Nurses Need to Know

Monica Wagner

University of Pittsburgh, Pittsburgh, PA, USA





Reviewers' Choice Top Abstracts Alphabetical by First Author



Project Baby Bear: The First State-funded Quality Improvement Project of rWGS in NICU and PICU

Sara Caylor, Bryce Waldman, Wendy Benson, Shimul Chowdhury, Ami Doshi, Lauge Farnaes, Charlotte Hobbs, Stephen Kingsmore, David Dimmock

Rady Children's Institute for Genomic Medicine, San Diego, CA, USA



Choice Architecture in the Genomic Era: Evidence of Framing Effects on Genetic Testing Decisions

Andrew Dwyer^{1,2,3}, Hongjie Shen¹, Matt Gregas¹, Min Zhao¹

¹Boston College, Chestnut Hill, MA, USA, ²MGH-Harvard Center for Reproductive Medicine, Boston, MA, USA,

³Munn Center for Nursing Research at Massachusetts General Hospital, Boston, MA, USA



Patient Outcome and NGS Database: Skimming the POND

Elizabeth Hassen¹, Amanda Hanson¹, Amy Ferea¹, Brendan McNeal²

¹Spartanburg Regional Healthcare System, Spartanburg, SC, USA, ²Wofford College, Spartanburg, SC, USA





Podium Abstracts Alphabetical by First Author

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

Veronica Barcelona¹, Janitza Montalvo-Ortiz², Cindy Crusto², Jacquelyn Taylor³

¹Yale School of Nursing, Orange, CT, USA, ²Yale University, New Haven, CT, USA, ³Columbia University, New York, NY, USA

Personalized Medicine Decision Making in a Virtual Clinical Setting

Patricia Brennan^{1,2}, Rhonda Ramirez², Valerie Dzubur², Stacey Culp³, Susan Persky⁴, Vence Bonham⁴, Kathleen Calzone⁵

¹University of California, San Francisco, San Francisco, CA, USA, ²Samuel Merritt University, Oakland, CA, USA, ³West Virginia University, Morgantown, WV, USA, ⁴National Human Genome Research Institute, Bethesda, MD, USA, ⁵National Cancer Institute, Bethesda, MD, USA

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

Sharon Casavant, Xiaomei Cong

University of Connecticut, Storrs, CT, USA

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

Tara Davis, Lacey Heinsberg, Yvette Conley

School of Nursing, University of Pittsburgh, Pittsburgh, PA, USA

Nursing Student Knowledge of Genetics and Genomics: Comparing Three Countries

Sarah Dewell¹, Bobbi Laing², Gigi Lim², Linda Ward³

¹University of Northern British Columbia, British Columbia, Canada, ²University of Auckland, Auckland, New Zealand, ³Clemson University, Clemson, SC, USA

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

Shannon Gillespie, Lisa Christian, Jodi Ford, Amy Mackos, Cindy Anderson

The Ohio State University, Columbus, OH, USA

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

Carolyn Harris, Steven Paul, Bruce Cooper, Christine Miskowski, Kord Kober

University of California, San Francisco, San Francisco, CA, USA

Reimbursement on Genetic Services Provided by Nurses

Andrea Hartgraves¹, Christine Mladenka², Karen Masino³

¹Seattle Children's Hospital, Seattle, USA, ²Idaho State University, Pocatello, ID, USA, ³Ingalls Memorial Cancer Care Center, Harvey, IL, USA

Characterization of Cerebrospinal Fluid DNA Methylation Age Following Subarachnoid Hemorrhage

Lacey W. Heinsberg, Daniel E. Weeks, John R. Shaffer, Yvette P. Conley

University of Pittsburgh, Pittsburgh, PA, USA

Beauty and the Beast: Fairy Tale or Genetic Based Condition

Delwin Jacoby

University of Kentucky, Lexington, KY, USA

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

Delwin Jacoby, Miriam Bunch

University of Kentucky, Lexington, KY, USA





Podium Abstracts Alphabetical by First Author (continued)

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, Jess Belcher

University of Kentucky, Lexington, KY, USA

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

Cheedy Jaja¹, Lori Vick¹, Emily Thurmond¹, Robert Gibson², Joseph Edem-Hotah³

¹University of South Carolina, Columbia, SC, USA, ²Augusta University - Medical College of Georgia, Augusta, GA, USA, ³College of Medicine and Allied Health Sciences, Freetown, Sierra Leone

Taste Changes in Patients Undergoing Chemotherapy Are Associated with Perturbations in Inflammatory Pathways

Paule Joseph¹, Steven Paul², Bruce Cooper², Christine Miaskowski², Kord Kober²

¹National Institute of Nursing Research, Bethesda, MD, USA, ²University of California San Francisco, San Francisco, CA, USA

Phenotypic Characterization and Genetics of Pain Profiles in Sickle Cell Disease

Mitchell Knisely¹, Julia Walker¹, Paula Tanabe¹, Qing Yang¹, Allison Ashley-Koch², Nirmish Shah³

¹Duke University School of Nursing, Durham, NC, USA, ²Duke Molecular Physiology Institute, Durham, NC, USA, ³Duke University School of Medicine, Durham, NC, USA

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

Kord Kober¹, Raymond Chan², Bruce Cooper¹, Steven Paul¹, Christine Miaskowski¹

¹UCSF, San Francisco, CA, USA, ²Queensland University of Technology, Brisbane, Australia

Undergraduate Nurses: Identifying Knowledge Gaps in Genetics and Genomics

Bobbi Laing¹, Gigi Lim¹, Linda Ward²

¹University of Auckland, Auckland, New Zealand, ²Clemson University School of Nursing, Clemson, SC, USA

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

Lena Lee¹, Inseo La², Alyson Ross¹, Gwennyth Wallen¹

¹National Institutes of Health Clinical Center, Bethesda, MD, USA, ²University of Maryland School of Nursing, Baltimore, MD, USA

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

Ruth Lucas, Yiming Zhang, Stephen Walsh, Angela Starkweather, Erin Young

University of Connecticut, Storrs, CT, USA

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

Ruth Lucas

University of Connecticut, Storrs, CT, USA

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

Christine Miaskowski, Kord Kober, Bruce Cooper, Steven Paul

University of California, San Francisco, CA, USA





Podium Abstracts Alphabetical by First Author (*continued*)

Epigenetic Age and Frailty in Hematopoietic Stem Cell Transplantation Patients

Lathika Mohanraj¹, Theresa Swift Scanlan¹, Lana Sargent¹, Amir Toor², Mikhail Dozmorov²

¹Virginia Commonwealth University School of Nursing, Richmond, VA, USA, ²Virginia Commonwealth University School of Medicine, Richmond, VA, USA

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

Susan Montgomery

Fox Chase Cancer Center, Philadelphia, PA, USA

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

Alexandra Nowak¹, Carmen Giurgescu², Amy Mackos¹, Cindy Anderson¹

¹The Ohio State University, Columbus, OH, USA, ²University of Central Florida, Orlando, FL, USA

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

Kate Opegaard¹, Ray Chan², Steven Paul¹, Bruce Cooper¹, Christine Miaskowski¹, Kord Kober¹

¹University of California San Francisco, San Francisco, CA, USA, ²Queensland University of Technology, Brisbane, Australia

Utilization of Epigenome-wide DNA Methylation for Longitudinal Comparison of Leukocyte Proportions across Preeclamptic and Normotensive Pregnancy

Mitali Ray, Lacey Heinsberg, Yvette Conley, Daniel Weeks, Mandy Schmella

University of Pittsburgh, Pittsburgh, PA, USA

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

Alex Sargsyan

East Tennessee State University, College of Nursing, Johnson City, TN, USA

DNA Methylomic Profiling of Preeclampsia Across the Three Trimesters of Pregnancy

Mandy Schmella, Haoyi Fu, Yvette Conley, Daniel Weeks

University of Pittsburgh, Pittsburgh, PA, USA

Possible Acquired Gastrointestinal Polyposis in a Childhood Cancer Survivor

Cynthia Snyder¹, Patricia Bird^{2,3}

¹Northside Hospital Gwinnett, Lawrenceville, GA, USA, ²Gwinnett Family Medical Care, Snellville, GA, USA, ³University of Phoenix Associate Faculty, Phoenix, AZ, USA

Snyder, Cynthia T. DNP, AGN-BC, FNP-C (Nurse Practitioner)¹; Bird, Patricia DNP, FNP-C (Nurse Practitioner)² Possible acquired gastrointestinal polyposis in a childhood cancer survivor, Journal of the American Association of Nurse Practitioners: August 2020 - Volume 32 - Issue 8 - p 551-554 doi: 10.1097/JXX.0000000000000474

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

Joanna Spahis

Children's Health, Dallas, TX, USA





Podium Abstracts Alphabetical by First Author (*continued*)

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

Pamela Tamez

NIH/NINR, Bethesda, MD, USA

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

Alexi Vasbinder¹, Kerryn Reding^{1,2}, Allison Kurian³, Robert Wallace⁴, Sylvia Wassertheil-Swoller⁵, Monik Jimenez^{6,7}, Electra Paskett⁸

¹University of Washington School of Nursing, Seattle, WA, USA, ²Fred Hutchinson Cancer Research Center, Seattle, WA, USA, ³Stanford University School of Medicine, Stanford, CA, USA, ⁴University of Iowa College of Public Health, Iowa City, IA, USA, ⁵Albert Einstein College of Medicine, New York City, NY, USA, ⁶Brigham and Women's Hospital, Boston, MA, USA, ⁷Harvard Medical School, Boston, MA, USA, ⁸The Ohio State University College of Medicine, Columbus, OH, USA

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

Theresa Wadas

University of Alabama, Tuscaloosa, AL, USA

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

McKenzie Wallace

University of Pittsburgh, Pittsburgh, PA, USA

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

Ilknur Yesilcinar¹, Memnun Seven², Eda SAHIN³, Kathleen Calzone⁴

¹Izmir Katip Celebi University Health Sciences Faculty, Izmir, Turkey, ²University of Massachusetts Amherst College of Nursing, Amherst, MA, USA, ³Giresun University Health Sciences Faculty, Giresun, Turkey, ⁴National Cancer Institute Center for Cancer Research, Genetics Branch, Bethesda, MD, USA

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

Basil Zureigat, Danielle Gould, Carrie-Ellen Briere, Memnun Seven

UMass-Amherst, Amherst, MA, USA





Posters by Poster Number (#)

Posters #1-#11 are eligible for the Student Poster Award Competition

#1 The Epigenetics Contribution in Nursing Research and Practice

Fatemeh Choupani

University of Missouri St. Louis, St. Louis, MO, USA

#2 Oxytocin Gene (OXT) Single Nucleotide Polymorphism and Delayed Cerebral Ischemia after Subarachnoid Hemorrhage

Lisa Gawron, Lacey Heinsberg, Elizabeth Crago, Yvette Conley

University of Pittsburgh, Pittsburgh, PA, USA

#3 Impact of a Pandemic on Clinical Recruitment into a Pediatric Traumatic Brain Injury Biobank

Ramsha Jinnah¹, Syed H. Ahmed², Tapasvini Paralkar¹, Minha Ghani¹, Phoebe Lay¹, Sawyer Stubbs¹, Nico Osier³

¹Dell Medical School at The University of Texas at Austin, Austin, TX, USA, ²McCombs School of Business at The University of Texas at Austin, Austin, TX, USA, ³School of Nursing at The University of Texas at Austin, Austin, TX, USA

#4 Concordance Levels in Pediatric and Parent Proxy Responses to PROMIS Surveys

Minha Ghani¹, Tapasvini Paralkar², Hadi Ahmed³, Ramsha Jinnah³, Sawyer Stubbs⁴, A. Sandoval Gonzalez², Nico Osier⁵

¹University of Texas at Austin, College of Liberal Arts, Austin, TX, USA, ²University of Texas at Austin, College of Natural Sciences, Austin, TX, USA, ³University of Texas at Austin, McCombs School of Business, Austin, TX, USA, ⁴University of Texas at Austin, Dell Medical School, Austin, TX, USA, ⁵University of Texas at Austin, School of Nursing, Dell Medical School, Austin, TX, USA

#5 Assessing Nurse Practitioners' Competency in Genetics and Genomics Related Healthcare Services

Danielle Gould, Memnun Seven

University of Massachusetts, Amherst, MA, USA

#6 The Role and Immediate Impact of a Nurse Practitioner with Expertise in Cancer Genetics on Facilitating Genetic Testing at a Small, Private Gynecologic Oncology Practice

Heather Hannon

Marymount University, Arlington, VA, USA, Women's Cancer and Wellness Institute, Richmond, VA, USA, Virginia Urology, Richmond, VA, USA

#7 Determining the Relationship Between Direct-to-Consumer Tools and Health Anxiety: A Literature Review

Kaitlyn Kern

University of North Carolina Wilmington, Wilmington, NC, USA

#8 DNA Methylation of HSD11B2 and Maternal Mental Health in Early Pregnancy

Elizabeth Minnick, Shannon Gillespie, Cindy Anderson

The Ohio State University, Columbus, OH, USA

#9 Using a Data-Driven Approach to Evaluate Curriculum and Learning of Genomic Concepts for Future Advanced Practice Nurses

Kate Oppegaard, Kord Kober, Jenny Min, Elena Flowers

University of California San Francisco, San Francisco, CA, USA

#10 Associations Between Parenting, Infant Gene Expression Variation and Infant-Parent Attachment Disorganization: Preliminary Findings

Amelia Potter-Dickey¹, Nicole Letourneau¹, Henry Ntanda¹, Gerald Giesbrecht¹, Patricia Silveira², Sarah Dewell¹, Jason de Koning¹

¹University of Calgary, Calgary, Canada, ²McGill University, Montreal, Canada

#11 Genetic Polymorphisms and Pain in Sickle Cell Disease: A Systematic Review

Robyn Wojcek¹, Yesol Yang¹, Leila Ledbetter², Mitchell Knisely¹

¹Duke University School of Nursing, Durham, NC, USA, ²Duke University Medical Center Library, Durham, NC, USA

#12 Clinical Genomic Testing in Prostate Cancer from Screening to Survivorship

Laurie Connors

Vanderbilt University School of Nursing, Nashville, TN, USA

#13 New Pathway for Zebras

Sunnie Confiado, Angita Jain, Andrea Seymour-Sonnier, Katelyn Bruno, DeLisa Fairweather, Dacre Knight

Mayo Clinic, Jacksonville, FL, USA

#14 The Relationship Between Postpartum Sleep Loss and Human Milk Composition

Carrie-Ellen Briere, David Sela

University of Massachusetts Amherst, Amherst, MA, USA





Posters by Poster Number (#) (continued)

#15 Differences in Genetic Nursing Competency Between Midwives and Non-midwives in Japan

Naoko Arimori¹, Kyoko Asazawa², Yuka Shiojima¹, Yui Nakamura¹
¹Niigata University Graduate School of Health Sciences, Niigata, Japan, ²University of Tokyo Health Sciences, Tokyo, Japan

#16 Human Milk Influences the Bacterial Composition of the Premature Infant Gut Microbiome: A Scoping Review

Jessica Davis
University of Pittsburgh School of Nursing, Pittsburgh, PA, USA

#17 Genetic Variation, Stress Response, and Allostatic Load in Adults with Chronic Health Conditions

Anne Ersig¹, Erin Young², Roger Brown¹, Kristen Malecki¹, Tamara LeClaire¹, Jodi Barnett¹
¹University of Wisconsin-Madison, Madison, WI, USA, ²University of Kansas School of Medicine, Kansas City, KS, USA

#18 Sleep and TBI: Polymorphism Associations of Circadian Genes by Pathoanatomic Characteristics

Letitia Graves¹, Paul Juneau^{2,3}, Kierra Butler¹, Leorey Saligan¹, Yvette Conley⁴
¹National Institute of Nursing Research, Bethesda, MD, USA, ²National Institutes of Health, Bethesda, MD, USA, ³Zimmerman Associates, Fairfax, USA, ⁴University of Pittsburgh, Pittsburgh, PA, USA

#19 Utilization of Genetic Testing and Genetic Profile of Blacks with Hypertrophic Cardiomyopathy

Milla Arabadjian¹, Gary Yu¹, Allison Vorderstrasse¹, Mark Sherrid², Victoria Vaughan Dickson¹
1NYU Rory Meyers College of Nursing, New York, NY, USA, 2NYU Grossman School of Medicine, New York, NY, USA

#20 Genetic Analyses Reveal Taste and Metabolic-Related Changes in Striatal Tissue of Obese Mice

Rosario Jaime-Lara¹, Bridget Matikainen-Ankney², Claudia Colina-Prisco¹, Brianna Brooks¹, Alexxai Kravitz², Paule Joseph¹
¹National Institute of Nursing Research, Bethesda, MD, USA, ²Washington University School of Medicine, Saint Louis, MO, USA

#21 Participation in a New Prader-Willi Syndrome Clinic: Influence on Quality of Life

Ann E. E. Johansson¹, Suneeta Madan-Khetarpal^{1,2}, Andrea F. R. Fischl¹, Cynthia A. Danford¹
1University of Pittsburgh, Pittsburgh, PA, USA, 2Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

#22 Examining a Salt Sensitivity Biomarker using a Genetic Approach in Korean Americans: A Feasibility Study

Jisook Ko, Vivian Nguyen, Darpan Patel
UT Health San Antonio, San Antonio, TX, USA

#23 Associations of Moderate to Vigorous Physical Activity with Cognitive Function by Genotypes of the BDNF Val66Met Variants Among U.S. Adults Aged over 50

Tingting Liu¹, Benjamin Marples¹, McKenzie Canon¹, Michelle Gray¹, Wen-Juo Lo¹, Changwei Li²
¹University of Arkansas, Fayetteville, AR, USA, ²University of Georgia, Athens, GA, USA

#24 Parental Perception of Perceived Emotional QOL of Their Child with Cerebral Palsy and the Impact of the Presence of a Family Dog

Esma Paljevic, Joanne Singleton
Pace University, New York, NY, USA

#25 Patient Perception of Genetic Testing using a Decisional Conflict Scale in the Community Practice Setting: A Paired Analysis Study

Christopher Seidler¹, Asma Rashid², Cheryl Hersperger³
¹University of Massachusetts Medical School, Worcester, MA, USA, ²Boston Children's Hospital, Boston, MA, USA, ³Worcester State University, Worcester, MA, USA

#26 Novel Digital PCR Detection of COMT Gene Isoforms Reveals Differential Gene Expression in Both Somatic and Neural Tissues: Implications for Hormonally Driven Cancers, Pain Syndromes, and Neurobehavioral Disorders

Theresa Swift-Scanlan¹, Alex Feygin², R. K. Elswick¹, Jacob Graham¹, Amanda Gentry¹
¹Virginia Commonwealth University, Richmond, VA, USA, ²Virginia Commonwealth University, Richmond, VA, USA





Posters by Poster Number (#) (continued)

#27 Defining Global Minimum Nursing Competencies in Genomics

Emma Tonkin¹, Kathleen Calzone², Christine Patch^{3,4}, Laurie Badzek⁵, Andrew Dwyer⁶, Sarah Dewell⁷

¹University of South Wales, Pontypridd, United Kingdom,

²National Cancer Institute, National Institutes of Health, Bethesda, MD, USA, ³Genomics England, London, United Kingdom, ⁴Wellcome Genome Campus, Cambridge, United Kingdom, ⁵Penn State College of Nursing, University Park, PA, USA, ⁶Boston College, Chestnut Hill, MA, USA, ⁷University of Calgary, Calgary, Canada

#28 Omics of Pain in Women Treated for Hormone-receptor Positive Breast Cancer

Monica Wagner, Catherine Bender, Yvette Conley
University of Pittsburgh, Pittsburgh, PA, USA

A special thank you to ISONG members who served as reviewers for Abstracts, Expert Lectures, and Research Grants.





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