

TRANSFORMING HEALTH

Through Genomic Nursing

November 8-10, 2019

Wyndham San Antonio Riverwalk

San Antonio, Texas USA

Congress Brochure

2019 ISONG World Congress

International Society of Nurses in Genetics



TRANSFORMING HEALTH Through Genomic Nursing

2019 ISONG World Congress



November 8-10, 2019
San Antonio, Texas USA
INTERNATIONAL SOCIETY OF NURSES IN GENETICS

Join Us



On behalf of the 2019 ISONG Congress Planning Committee we invite you to join us at the 2019 Congress: “Transforming Health through Genomic Nursing.” The Wyndham San Antonio Riverwalk will be the perfect setting to connect with genetics and nursing colleagues from the United States and around the world.

Nurses are called to transform healthcare and genetics/genomics nurses will be at the forefront of that transformation. We look forward to exciting presentations by our keynote speakers, and abstract and poster presenters.

New for this year, we will have Expert Lectures by ISONG members who are transforming health through innovations in research, education, practice and policy. The presentations have been chosen to meet the following objectives:

- Understand the transformative nature of genomic nursing science on global health.
- Explore future applications of genomic nursing to foster healthy populations.
- Articulate the role of nurses in leading advances in genomic health.

Additionally, the Education Committee and the Congress Committee are excited to offer Pre-Congress Sessions based on survey feedback. These sessions will take place on Thursday, November 7, 2019.

We encourage you to join us in San Antonio and look forward to greeting you. Please remember the vital support of our Congress sponsors and visit each exhibit to learn about new and valuable contributions to health care and education.

Sincerely,



Michael Groves, PhD, RN, CNE
Congress Co-chair



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





Thank You to the 2019 Congress Committee



Tara Albrecht, PhD, ACNP-BC



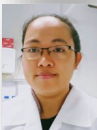
Sivia Barnoy, RN, PhD



Jennifer Sanner Beauchamp, PhD, RN, FAAN



Dennis J. Cheek, RN, PhD, FAHA



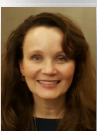
*Anndra Margareth Dumo, PhD Student, MSc,
MAN, BSN, RN, RM*



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



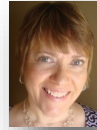
Jane Garvin, PhD, APRN, FNP-BC



Margaret Hornung, FNP-BC, CPBN



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



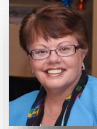
Maura McCall, PhD Student, MSN, RN



Eugenia Millender, PhD, RN, PMHNP-BC, CDE



Mandy Schmella, PhD, RN



Kathleen J.H. Sparbel, PhD, FNP-BC



Deb Tamura, MS, RN



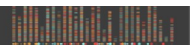
McKenzie Wallace, BSN, BA, RN



Linda Ward, PhD, FNP-BC



Karen E. Wickersham, PhD, RN



Congress Venue



Wyndham San Antonio Riverwalk

111 East Pecan Street
San Antonio, Texas 78205 USA
+1 (210) 354-2800

We are delighted to announce that the 2019 *ISONG World Congress on Nursing and Genomics* will be held in San Antonio, Texas, USA. San Antonio is rich in history, alive with culture, and booming with modern attractions. Explore some of the unique, dynamic neighborhoods that make the city so unforgettable, including the Alamo, Pearl Brewery, San Antonio Missions, UNESCO World Heritage Site, and El Mercado Marketplace. The River Walk, or Paseo del Rio, is a San Antonio treasure and world-renowned 15-mile urban waterway with the largest urban ecosystem in the nation. Other attractions are just a short drive away, among them the San Antonio Zoo, Six Flags, and SeaWorld. [Click here](#) for more information.

HOTEL RESERVATIONS

The **Wyndham San Antonio Riverwalk** offers a convenient hotel location that puts you within steps of the countless restaurants and shops that line the river as it winds through the city. A river taxi stop is right outside of the hotel door! The hotel features:

- Rooftop pool and hot tub overlooking the San Antonio skyline
- Lively restaurant and bar
- Onsite spa



The ISONG Congress group room rate is **\$140 single/double plus taxes**. The cut-off date for the ISONG discounted hotel rate is **Tuesday, October 1, 2019**. The discounted rate is available 2 days pre/post Congress dates, based on availability. We encourage you to make your reservations as soon as possible. Hotel parking information is available [here](#).

Travel Details

The Wyndham San Antonio Riverwalk is easily accessible from the newly renovated San Antonio International Airport. Convenient transportation services are available. [Visit our website](#) for more information.



Pre-Congress Registration

Pre-Congress Sessions will be held on Thursday, November 7. Pre-Congress Registration includes refreshment breaks.

ISONG Member / Student	\$125 USD per Session
*Non-member	\$175 USD per Session

*Non-members – Join now for membership benefits including reduced Congress registration fees. [Become an ISONG Member now.](#)

[PRE-CONGRESS DETAILS](#)

Congress Registration

Register early to secure your spot and to take advantage of the early registration discounted rate. Congress Registration includes continental breakfast each day, lunch on Friday and Saturday, poster reception, and refreshment breaks.

	Before September 16	After September 16
ISONG Member	\$595 USD	\$635 USD
Podium / Poster Presenter	\$645 USD	\$685 USD
*Non-member	\$750 USD	\$795 USD
Retired ISONG Member	\$415 USD	\$445 USD
Full-Time Student	\$415 USD	\$445 USD (with copy of University/Program ID)

*Non-members – Join now for membership benefits including reduced Congress registration fees. [Become an ISONG Member now.](#)

[REGISTRATION](#)

Payment by Check

After you register online, please print the invoice and mail the payment to:

ISONG ♦ 461 Cochran Road, Box 246 ♦ Pittsburgh, PA 15228 USA

You will receive a confirmation from ISONG after you have registered. If you have any questions, please call us at +1 412-344-1414 or via email at amy@isong.org. All cancellations must be received in writing. A \$50 USD administrative fee will be deducted from cancellations received by Tuesday, October 8, 2019. After that time, no refunds can be made.





Congress Details

Social Connections

The 2019 ISONG Congress Hospitality Committee has planned ways to connect and join the attendees with activities, both professionally and socially. Committee members will be identified with star pins at the Congress. Please see any of them if you need help or would like to join the activities. The Committee will be using the hashtag **#ISONGsocial** to help attendees connect for dinner or any other activities during downtime.

Pre-Congress Sessions

This year we are proud to feature the ISONG **Pre-Congress Sessions** which will be held on **Thursday, November 7, 2019**. These sessions have been developed to meet the growing need for genetics education and for those who are seeking more in-depth research, evidence and applications for their practice. These programs will include cutting edge presentations for attendees of all skill levels and nursing backgrounds.

Expert Lectures

ISONG's membership includes talented scientists, educators and clinicians who are advancing genetics through their innovations in research, education, practice and policy. We are excited to provide 12 Expert Lectures to stimulate a robust exchange of knowledge and discussion. These lectures highlight exciting advances in various areas of our field.

Global Panel Session

The Global Panel will focus on genetic/genomic nursing research, education, clinical practice, and policy topics. Using a question-based format, global genetic nursing leaders will discuss their experiences, challenges, and strategies to advance genetic/genomic nursing. The session will feature panel-audience interaction to foster understanding of global issues and opportunities for growth.

ISONG Awards and Grants

The Founders' Awards honor ISONG members who have demonstrated excellence in genomic nursing practice, education or research. The three fields reflect the vision of ISONG to advance genomic nursing practice, education and research worldwide. The President's Award is for an ISONG Member who displays outstanding service, dedication and leadership. These awards make it possible for ISONG as a professional organization to recognize members who are leaders in genetic/genomic nursing and health care. The awards will be presented during the Congress as noted in the program.

Abstract and Poster Sessions

The ISONG Congress Planning Committee would like to thank both those who submitted abstracts and the reviewers who provided their invaluable time and expertise to this year's ISONG Congress. The 2019 Abstract Sessions reflect a focus on the titles as listed and offer current and late breaking information in genetics/genomics. Abstracts that were accepted for poster presentations will have their posters displayed throughout the Congress. Also, the attendees will have the opportunity to meet with the poster authors at the Poster Reception. Refer to the program for details about the oral abstracts and poster presentations.

Reviewers' Choice Abstracts

This year the three top scoring abstract submissions will be highlighted during a session on Saturday afternoon. These top scoring abstracts include diverse topics across clinical practice and research. You are sure to find this session interesting and engaging.





ISONG Acknowledges the Generosity and Support

Sponsors and Exhibits

Sponsorship of the ISONG Congress helps to support this premier educational opportunity for nurses in genetics/genomics worldwide.

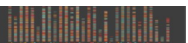
B  **OMARIN**[®]



PITTNursing

UConn
SCHOOL OF NURSING

SANOFI GENZYME 





Congress Program Agenda

Thursday, November 7, 2019

8:00AM - 7:00PM **Registration**

9:00AM - 4:00PM **Pre-Congress Sessions**

9:00AM - 12:00PM **SESSION A - Genetics for the Non-Genetics Nurse**

Kara Morgan, DNP, APRN, CPNP-BC, CGC

Nurse Practitioner

USF Health, Department of Pediatrics—Division of Genetics and Metabolism

Tampa, Florida, USA



The purpose of this workshop is to introduce key genetic/genomic concepts, terminology, and basic principles to new learners, non-genetics nurses, or as a refresher for experienced clinicians.

9:00AM - 12:00PM **SESSION B - NPCC: Credentialing Professional Nurses in Genetic/Genomic Practice**

Catherine A. Marcum, APN, AGACNP-BC, AGN-BC

Cancer Risk Associates, PLLC

Chattanooga, Tennessee, USA



Julie Eggert, PhD, RN, GNP, AGN, FAAN
Clemson University, School of Nursing

Stacy Hines-Dowell, DNP, AGN-BC
St. Jude Children's Research Hospital

Lori Farmer, APRN, MS, MSN, AGN-BC
83Bar

Jeanine Santelli, PhD, AGPCNP-BC, FAAN
American Nurses Association-New York

Designed for all nurses interested in credentialing requirements, the purpose of this workshop is to inform and give direction about the value, purpose, and process for credentialing the genetic/genomic nurse professional.

1:00PM - 4:00PM **SESSION C - Teaching Genomics for Meaningful Learning**

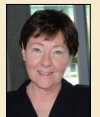
Linda Ward, PhD, FNP-BC

Associate Professor

College of Behavioral, Social and Health Sciences

Clemson University

Clemson, South Carolina, USA



This workshop will provide nursing educators with a framework and strategies for teaching genomics to nursing students.

1:00PM - 4:00PM **SESSION D - Ethics, Genomics, & the Family Care Experience: Newborn Screening Case Studies**

Maryann F. Campbell, RNC-NIC, MS, CNS

Genetics Nurse Coordinator

Kaiser Permanente

Novato, California, USA



Including a pre-recorded video presentation by:

Bryce A. Mendelsohn, MD, PhD

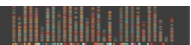
Metabolic Program Director/Geneticist

Kaiser Permanente Northern California

Oakland, California, USA

This presentation examines a Newborn Screening Program expansion, the ethical considerations and concepts, the impact on family experiences, and the approaches to program modification to minimize unintentional harm.

7:00PM **Dinner (on your own) - Join your fellow attendees at the conclusion of the day to meet for dinner groups. Check #ISONGsocial to connect with others.**



Congress Program Agenda

Friday, November 8, 2019

7:30AM - 5:00PM

Registration

7:30AM - 8:30AM

Welcome Continental Breakfast; Exhibits, Posters and Raffle

8:30AM - 8:45AM

Opening Remarks, Flag Ceremony, and President's Welcome

Michael Groves, PhD, RN, CNE

Congress Co-chair

Associate Professor of Nursing

Shepherd University

Shepherdstown, West Virginia, USA

Cathy Read, PhD, RN

ISONG President

Associate Professor

Connell School of Nursing

Boston College

Chestnut Hill, Massachusetts, USA



8:45AM - 9:45AM

Opening Keynote - *Transforming Health Through Genomic Nursing: Opportunities and Challenges*

Christine Miaskowski, RN, PhD, FAAN

Professor

Vice Chair for Research

Department of Physiological Nursing

University of California

San Francisco, California, USA



9:45AM - 10:15AM

Refreshment Break; Visit Exhibits, Posters and Raffle

10:15AM - 11:30AM

Global Panel

11:30AM - 12:45PM

Lunch, Networking and ISONG Committee Meetings

Enjoy lunch with ISONG Members during the committee meetings (optional) or with your fellow Congress attendees. This is an opportunity to network early in the program!

12:45PM - 1:45PM

Keynote - *Addiction is Part of our DNA: How Pharmacogenetics Markers Play a Role in Opioid Addiction*

Christopher Farrell, PhD

Associate Professor, Pharmaceutical and Administrative Sciences

Presbyterian College School of Pharmacy

Clinton, South Carolina, USA



1:45PM - 2:15PM

Refreshment Break; Visit Exhibits, Posters and Raffle





Friday, November 8, 2019 (continued)

2:15PM - 3:15PM Expert Lectures (Concurrent)

<p>2:15PM - 2:45PM</p>	<p>Are We There Yet? Predictive and Clinical Utility of Polygenic Modeling for Complex Traits and Symptom Science</p>  <p><i>Rose Mary Xavier, PhD, MS, RN, PMHNP-BC</i> Assistant Professor The University of North Carolina Chapel Hill, North Carolina, USA</p>	<p>Navigating Nursing Care in Genetic Cardiovascular Disease</p>  <p><i>Heidi Salisbury, RN, MS, CNS-BC</i> Co-Founder & Chief Science Officer Stanford Hospital, Stanford Center for Inherited Cardiovascular Disease Palo Alto, California, USA</p>	<p>Using Omics to Understand Patient Outcomes after Neurological Injury</p>  <p><i>Yvette P. Conley, PhD, FAAN</i> Professor of Nursing and Human Genetics University of Pittsburgh Pittsburgh, Pennsylvania, USA</p>
<p>2:45PM - 3:15PM</p>	<p>Innovations Extending Nursing's Reach in Delivering Genomic Healthcare</p>  <p><i>Andrew A. Dwyer, PhD, FNP-BC, FNAP</i> Assistant Professor Boston College, Connell School of Nursing & Yvonne L. Munn Center for Nursing Massachusetts General Hospital Chestnut Hill, Massachusetts, USA</p> <p><i>Chokdee Rutirasiri</i> President & Founder Story + Structure Concord, Massachusetts, USA</p> 	<p>Cut the Nonsense: Gene Editing for the Nurse-Geneticist</p>  <p><i>Eric Barbato, RN</i> PhD Candidate Case Western Reserve University Cleveland, Ohio, USA</p> <p><i>Rebecca Darrah, MS, PhD</i> Associate Professor Case Western Reserve University Cleveland, Ohio, USA</p> 	

3:15PM - 5:15PM **Abstract Sessions (Concurrent)** - See pages 16 - 17

6:00PM **Dinner (on your own)** - Join your fellow attendees at the conclusion of the day to meet for dinner groups. Check **#ISONGsocial** to connect with others.



ISONG Nursing Research Grant Awards

Fostering scientific research in genetics is an important part of ISONG's mission. The support received from our sponsors will provide for ISONG Nursing Research Grant Awards. These grants will be awarded at the Congress. Visit www.isong.org for more information about the ISONG research grants program.



Saturday, November 9, 2019

- 7:30AM - 5:00PM **Registration**
- 8:00AM - 8:45AM **Continental Breakfast; Visit Exhibits, Posters and Raffle**
- 8:45AM - 9:00AM **Announcements and President's Awards**

9:00AM - 10:00AM **Keynote - Mental Health Treatment Using Psychiatric Genomics: Are We There Yet?**
Consuelo Walss-Bass, PhD
Associate Professor
Director, Psychiatric Genetics Program
Director, UTHealth Brain Collection For Research In Psychiatric Disorders
Co-Director, Translational Psychiatry Program
McGovern Medical School
UTHealth
The University of Texas
Houston, Texas, USA



- 10:00AM - 10:30AM **Refreshment Break; Visit Exhibits, Posters and Raffle**
- 10:30AM - 10:50AM **Presentation of Research Awards**

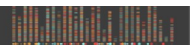
10:50AM - 11:50AM **The Role of Nursing in Precision Health Care**
Belinda Mandrell, PhD, RN
Director, Nursing Research
St. Jude Children's Research Hospital
Memphis, Tennessee, USA



- 11:50AM - 1:20PM **Lunch and Business Meeting / Presentation of Founders' Awards**
This is an opportunity to hear updates about ISONG, committee reports, goals and projects to help foster the scientific and professional growth of nurses in human genetics and genomics worldwide. The winners of the Founders' Awards will be announced during the lunch.

Donate a Raffle Item

Consider donating a small item to the ISONG raffle, which **directly benefits ISONG and is always a highly anticipated event!** Our members hail from around the world; we will have an array of unique items. Bring something from your hometown, country, or institution. Items that travel well in a suitcase are best. If you prefer, you can support the raffle through a [monetary donation](#). Contact Sylvia Estrada at Sylvia.Estrada@cshs.org with any questions.





Saturday, November 9, 2019 (continued)

1:20PM - 2:20PM Expert Lectures (Concurrent)

1:20PM -
1:50PM

**Innovative Genomic
Integration for
Educational Enhancement**

*Leighsa Sharoff, EdD,
PHMNP/CNS, AHN-BC*
Associate Professor/Simulation
Coordinator
School of Nursing
Hunter College
New York, New York, USA



**The Value of Genomic
Research in a Community
Hospital**

*Catherine A. Marcum, APN,
AGACNP-BC, AGN-BC*
Cancer Risk Associates, PLLC
Chattanooga, Tennessee, USA



**A Roadmap for Integrating
and Validating Candidate
Gene Studies with Omics
Data in Association with
Health Outcomes**

Theresa Swift-Scanlan, PhD, RN
Director, Biobehavioral Research Lab
Ellen Fontaine Winston Distinguished
Professor
School of Nursing
Virginia Commonwealth University
Richmond, Virginia, USA



1:50PM -
2:20PM

**Transforming Health
through Nursing Innovation
and Entrepreneurship**

*Taura L. Barr, PHD, RN,
FAHA*
Co-Founder & Chief Science Officer
Valtari Bio Inc.
Morgantown, West Virginia, USA



**Transforming Symptom Self-
Management with Genomics**

*Angela Starkweather, PhD,
ACNP-BC, CNRN, FAAN*
Professor
Director of the P20 Center for
Accelerating Precision Pain Self-
Management
School of Nursing
University of Connecticut
Storrs, Connecticut, USA



**Epigenetic Age:
Applications in Precision
Health**

*Cindy Anderson, PhD, RN,
APRN-CNP, ANEF, FAHA, FNAP, FAAN*
Associate Dean for Academic Affairs
and Educational Innovation
Associate Professor
The Ohio State University
Columbus, Ohio, USA



Xiaomei Cong, PhD, RN, FAAN
Professor, Director of the
Center for Advancement in
Managing Pain
School of Nursing
University of Connecticut
Storrs, Connecticut, USA



Wanli Xu, PhD, RN
Assistant Professor, Assistant
Director
Biobehavioral Research Lab
University of Connecticut School of
Nursing
Storrs, Connecticut, USA



Shannon Gillespie, PhD, RN
Assistant Professor
The Ohio State University
Columbus, Ohio, USA



2:20PM - 2:50PM

Refreshment Break; Visit Exhibits, Posters and Raffle

2:50PM - 3:50PM

Abstract Sessions (Concurrent) - See page 18





Saturday, November 9, 2019 (continued)

3:50PM - 4:10PM Reviewers' Choice Abstracts

<p>Implementing Precision Medicine: Promises and Pitfalls <i>Elizabeth Hassen, PhD(c), MSN, RN, OCN</i> Precision Medicine Manager Spartanburg Regional Health System Spartanburg, South Carolina, USA</p> <p>Coauthor: Amanda Andrews Spartanburg Regional Hospital System, Spartanburg, SC, USA</p>	<p>Clinical Management of Hereditary Paraganglioma/Pheochromocytoma Syndrome <i>Susan Montgomery, BSN, OCN, GCN</i> Genetic Nurse Navigator Fox Chase Cancer Center Philadelphia, Pennsylvania, USA</p>	<p>Sexual Epigenetic Dimorphism in the Placenta and Positive Child Health <i>Hudson Santos, PhD, RN</i> Assistant Professor, School of Nursing Director of Training and Mentorship Institute for Environmental Health Solutions University of North Carolina Chapel Hill, North Carolina, USA</p> <p>Coauthors: Jacqueline Bangma, Arjun Bhattacharya, Thomas O'Shea, Rebecca Fry University of North Carolina, Chapel Hill, NC, USA</p>
--	--	---

4:10PM - 5:10PM Poster Reception

Meet with the poster authors and ask them questions. It is an ideal time to network with colleagues. This event is included in the registration; all are welcome!

Sponsored by:



5:10PM - 5:35PM Raffle Drawing

Congress Attendees Say It Best

"Congress is truly a transformational process for me. The most beneficial aspect is the exposure to exciting genomic research and learning about novel applications to education and clinical practice. I particularly benefit from the one on one poster interactions; rare case reports are my favorite."

Rebecca Kronk, PhD, MSN, CRNP, FAAN, CNE
Duquesne University School of Nursing

"Attending ISONG Congress as a student has been integral to my overall progression. Aside from the expected benefits of networking with like-minded individuals in the field, the added benefit of mentorship has been invaluable. As a graduate student, I met several nursing experts in genomics who I now consider mentors, colleagues and friends. The collegial and friendly environment of ISONG is definitely student-friendly and I highly recommend attending to students at all levels, not only the graduate level!"

Mallory Perry, PhD, RN, CPN, CCRN
Children's Hospital of Philadelphia

"The ISONG Congress is a fabulous place to learn what is new in the field of genetics. You get a cutting-edge view of what is to come so you can be ahead of the wave."

Jane Garvin, PhD, APRN, FNP-BC
University of St. Augustine for Health Sciences



Sunday, November 10, 2019

7:30AM - 11:35AM **Registration**

8:00AM - 8:45AM **Continental Breakfast; Visit Exhibits and Posters**

8:45AM - 8:50AM **Announcements**

8:50AM - 9:20AM **Incoming President's Address**

Dennis Cheek, RN, PhD, FAHA

ISONG President-Elect

Professor

Harris College of Nursing and Health Sciences

Texas Christian University

Fort Worth, Texas, USA



9:20AM - 10:05AM **Expert Lecture - *Social, Environmental, and Genomic Determinants of Health***

Ansley Stanfill, PhD, RN

Interim Associate Dean of Research; Assistant Professor

College of Nursing

Department of Acute and Tertiary Care and College of Medicine

Department of Genetics, Genomics, and Informatics

University of Tennessee Health Science Center

Memphis, Tennessee, USA



10:05AM - 10:30AM **Refreshment Break; Visit Exhibits and Posters**

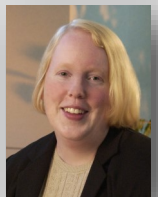
10:35AM - 11:35AM **Closing Keynote - *The Role of Genetic Communication in Transforming Patient Health***

Kim Kaphingst, ScD

Professor

University of Utah

Salt Lake City, Utah, USA



Congress Concludes

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.*





Join Us!

ISONG Membership means ...

This premier educational event is just one of the many offerings that ISONG provides.

Additional benefits of ISONG membership are:

- ◆ Be informed: receive the latest references and updates on genetics.
- ◆ Stay connected: connect with your peers through the Forum - a lively area for discussion in the membership system.
- ◆ Career and growth opportunities: job postings and educational events are listed in the membership system.
- ◆ Year-round education: webinars and the Annual ISONG World Congress offer educational opportunities, and members receive discounted registration fees for these programs. Webinars are available to view at your convenience and include Continuing Education Credits where noted.
- ◆ Research grants: ISONG members are eligible to apply for the annual research grant awards.

Join ISONG at www.isong.org. We look forward to welcoming you as a member!

ISONG Board of Directors



President

Cathy Read, PhD, RN
Boston College
Chestnut Hill, Massachusetts,
USA



Treasurer

Lisa Aiello, PhD, RN, AOCNS
Drexel University
Philadelphia, Pennsylvania, USA



Board Member at Large

Susan W. Wesmiller, PhD, RN
University of Pittsburgh
Pittsburgh, Pennsylvania, USA



Past-President

Mindy Tinkle, PhD, RN, WHNP-BC, FAAN
South Dakota State University
Brookings, South Dakota, USA



Secretary

Jennifer Dungan, PhD, RN
University of Florida
Gainesville, Florida, USA



Board Member at Large

Masakazu Nishigaki, PhD, RN, CGC
Kyoto University
Kyoto, Japan



President-Elect

Dennis Cheek, RN, PhD, FAHA
Texas Christian University
Forth Worth, Texas, USA



Student Representative

Mallory Perry, PhD, RN, CPN, CCRN
Children's Hospital of
Philadelphia
Philadelphia, Pennsylvania, USA



ISONG Executive Director

Beth A. Kassalen, MBA
Pittsburgh, Pennsylvania, USA



ISONG Administration

Amy Spikula
Debbie Zaparoni



ISONG

461 Cochran Road, Box 246
Pittsburgh, Pennsylvania 15228 USA
+1 412-344-1414 | amy@isong.org





Oral Abstracts

Friday, November 8, 2019 ♦ 3:15 PM - 4:15 PM

Clinical

Moderator: TBA

Research

Moderator: TBA

Research

Moderator: TBA

3:15PM - 3:30PM	<p>Confronting the Diagnostic Odyssey in Genetic Practice: Determining the Etiology of Spastic Diplegia in a 2-Year-Old Female <u>Delwin Jacoby</u> University of Kentucky, Lexington, KY, USA</p>	<p>Differential Methylation of HIF-1 Signaling Pathway Genes Associated with Chronic Paclitaxel-Induced Peripheral Neuropathy in Breast Cancer Survivors <u>Kord Kober</u>^{1,2}, Jon Levine³, Judy Mastick¹, Bruce Cooper¹, Steve Paul¹, Christine Miaskowski^{1,2} ¹School of Nursing, University of California, San Francisco, CA, USA, ²UCSF Helen Diller Family Comprehensive Cancer Center, San Francisco, CA, USA, ³School of Medicine, University of California, San Francisco, CA, USA</p>	<p>Inflammatory Genotype Moderates the Association between Anxiety and Systemic Inflammation in Adults at Risk for Cardiovascular Disease <u>Kaitlin Voigts</u>, Debra Moser, Lorri Morford, Gia Mudd-Martin University of Kentucky, Lexington, KY, USA</p>
3:30PM - 3:45PM	<p>Utilizing Next-Generation Sequencing To Guide Patient Outcomes <u>Elizabeth Hassen</u> Spartanburg Regional Healthcare System, Spartanburg, SC, USA</p>	<p>The Association of Polymorphisms Identified as Common Data Elements with Symptoms Experienced by Women with Breast Cancer <u>Susan Wesmiller</u>, Susan Sereika, Catherine Bender, Elizabeth Skrovanek, Yvette Conley University of Pittsburgh, Pittsburgh, PA, USA</p>	<p>RNA-seq Analysis of Differentially Expressed Genes Associated with Arterial Stiffness <u>Jeongok Logan</u>, Xiaoyue Liu University of Virginia, Charlottesville, VA, USA</p>
3:45PM - 4:00PM	<p>Developing a Pre-Appointment Video to Prepare New Families for Genetics Clinic Visit <u>Andrea Hartgraves</u> Seattle Children's Hospital, Seattle, WA, USA</p>	<p>Whole-Transcriptome Differential Expression and Functional Neural Markers of Cognitive Problems Before Systemic Therapy for Breast Cancer <u>John Merriman</u>¹, Ronald Lam², Jen Wui Quan², Catherine Bender³, Yvette Conley³, Bradley Aouizerat² ¹Meyers College of Nursing, New York University, New York, NY, USA, ²Bluestone Center for Clinical Research, New York University, New York, NY, USA, ³School of Nursing, University of Pittsburgh, Pittsburgh, PA, USA</p>	<p>Outcomes of Focus Group Testing of Mobile App for Pharmacogenetic-Guided Dosing <u>Crystal Dodson</u>, Elizabeth Baker University of North Carolina at Wilmington, Wilmington, NC, USA</p>
4:00PM - 4:15PM	<p>Coffin-Siris Syndrome – Rare or Undiagnosed <u>Delwin Jacoby</u> University of Kentucky, Lexington, KY, USA</p>	<p>Increased Lymphedema Severity is Associated with a Polymorphism in Interleukin 1β <u>Christine Miaskowski</u>, Kord Kober, Judy Mastick, Bruce Cooper, Steven Paul University of California San Francisco, San Francisco, CA, USA</p>	<p>Examining the Metabolic Consequences of Insufficient Sleep using 16S rRNA Sequencing and Metabolomics Analyses <u>Katherine Maki</u>¹, Paule Joseph², Mark Lockwood¹, Dagmar Sweeney¹, Stefan Green¹, Anne Fink¹ ¹University of Illinois at Chicago, Chicago, IL, USA, ²National Institutes of Health, Bethesda, MD, USA</p>





Oral Abstracts

Friday, November 8, 2019 ♦ 4:15 PM - 5:15 PM

	Research, Translation, & Policy Moderator: TBA	Research Moderator: TBA	Research Moderator: TBA
4:15PM - 4:30PM	<p>Tracing Established and Current United States Policy Initiatives for Improving Patient Care in Sickle Cell Disease <u>Agatha Gallo</u>, Crystal Patil, Santosh Saraf, Shonda King University of Illinois at Chicago, Chicago, IL, USA</p>	<p>Associations Between DNA Methylation Trajectories of Aconitase 1 and 2 and Patient Outcomes after Aneurysmal Subarachnoid Hemorrhage <u>Lacey Heinsberg</u>, Elizabeth Crago, Daniel Weeks, Yvette Conley University of Pittsburgh, Pittsburgh, PA, USA</p>	<p>Polymorphisms in the Nuclear Factor Kappa Beta Subunit 2 Gene and the Development of Pain in Postmenopausal Women with Breast Cancer Prescribed Aromatase Inhibitors <u>Monica Wagner</u>, Yehui Zhu, Catherine Bender, Yvette Conley University of Pittsburgh, Pittsburgh, PA, USA</p>
4:30PM - 4:45PM	<p>Down Syndrome Transition Clinic Year 5: Setting Goals for Transition to Adult Care <u>Joanna Spahis</u> Children's Health, Dallas, TX, USA</p>	<p>Sleep and TBI: Polymorphism Associations of CRY-1 by Pathoanatomic Characteristics <u>Letitia Graves</u>, Susan Sereika, Ava Puccio, David Okonkwo, Yvette Conley University of Pittsburgh, Pittsburgh, PA, USA</p>	<p>Female Family Members' Understanding of Indeterminate Negative BRCA1/2 Test Results "It's Not Only About Them" <u>Deborah Gibbons</u>¹, Deborah Himes¹, Wendy Birmingham¹, Renea Beckstrand¹, Amanda Gammon^{2,3}, Anita Kinney^{4,5}, Margaret Clayton³ ¹Brigham Young University, Provo, UT, USA, ²Huntsman Cancer Institute, Salt Lake City, UT, USA, ³University of Utah, Salt Lake City, UT, USA, ⁴The State University of New Jersey, Piscataway, NJ, USA, ⁵Rutgers Cancer Institute of New Jersey, New Brunswick, NJ, USA</p>
4:45PM - 5:00PM	<p>Tailored Genetic Workshops, Individual Consultation, and a Biobank/Data Repository to Improve Nurse Scientist Genetic Knowledge <u>Theresa Koleck</u>, Kathleen Hickey, Jacqueline Merrill, Suzanne Bakken Columbia University, New York, NY, USA</p>	<p>Association Study of IGFBP1 and IGFBP3 Polymorphisms with Delayed Cerebral Ischemia after Aneurysmal Subarachnoid Hemorrhage <u>Elizabeth Crago</u>¹, YueFang Chang², Yvette Conley¹ ¹University of Pittsburgh School of Nursing, Pittsburgh, PA, USA, ²University of Pittsburgh School of Medicine, Pittsburgh, PA, USA</p>	<p>Genetic Variability Due to Anthracycline-Induced Cardiotoxicity in Breast Cancer - A Literature Review <u>Shazia Mitha</u>, Kathleen Hickey Columbia University, New York, NY, USA</p>
5:00PM - 5:15PM	<p>Genetic Testing Results Inform the Triage of Symptomatic Patients with a Family History of Hypertrophic Cardiomyopathy <u>Heidi Salisbury</u>, Tia Moscarello Stanford Hospital, Palo Alto, CA, USA</p>	<p>Characterization of BDNF Methylation Pattern Variability and Cognitive Dysfunction Post-Subarachnoid Hemorrhage <u>Ansley Stanfill</u>¹, Kayla Franks¹, Drew Prescott¹, Anne Alexandrov¹, Lucas Elijovich^{1,2}, Brandon Baughman^{1,2} ¹University of Tennessee Health Science Center, Memphis, TN, USA, ²Semmes Murphey Clinic, Memphis, TN, USA</p>	<p>Use of Biological and Genetic Markers in Symptom Cluster Research in Patients with Cancer: A Scoping Review <u>Lena Lee</u>, Alyson Ross, Sharon Flynn, Ding Ya, Gwenyth Wallen National Institutes of Health, Bethesda, MD, USA</p>





Oral Abstracts

Saturday, November 9, 2019 ♦ 2:50 PM - 3:50 PM

Education

Moderator: TBA

Research

Moderator: TBA

Research

Moderator: TBA

<p>2:50PM - 3:05PM</p>	<p>Implementing a Cyberhub for Genomic Nursing Education <u>Linda D. Ward</u> Clemson University School of Nursing, Clemson, SC, USA</p>	<p>Maternal Toll-like Receptor 4 Signaling as a Function of Parity and Offspring Sex <u>Shannon Gillespie</u>, Jelissa Neal, Amy Mackos, Alex Nowak, Carmen Giurgescu, Cindy Anderson The Ohio State University, Columbus, OH, USA</p>	<p>Epigenetic Regulation of the COMT Gene: A Key Moderator of Cognitive Decline <u>Theresa Swift-Scanlan</u>¹, Charlotte Boettiger², Alex Feygin¹, Jacob Graham¹ ¹Virginia Commonwealth University, Richmond, VA, USA, ²University of North Carolina at Chapel Hill, Chapel Hill, NC, USA</p>
<p>3:05PM - 3:20PM</p>	<p>Creation of an Online Educational Hub for Genomic Nursing Education, Practice, and Research <u>Sarah Dewell</u>, Carla Ginn, Karen Benzies University of Calgary, Calgary, Canada</p>	<p>Research OutSmarts Endometriosis (ROSE) Study for the Collection of Menstrual Effluent (ME) as a Potential Early Diagnostic <u>Margaret DeFranco</u>, Kristine Elmaliki, Gila Klein, Christine Metz, Peter K. Gregersen The Feinstein Institute for Medical Research/ Northwell Health, Manhasset, NY, USA</p>	<p>Understanding Chronic Pain Trajectory in Adolescents Undergoing Spinal Fusion Surgery: A Dissertation Study <u>Mallory Perry</u>^{1,2}, Erin Young¹, Kyle Baumbauer¹, Christine Sieberg³, Vijender Singh¹, Michael Costigan³, Cindy Wong³, Jacquelyn Taylor⁴, Susan G. Dorsey⁵, Angela Starkweather¹ ¹University of Connecticut, Storrs, CT, USA, ²Connecticut Children's Medical Center, Hartford, CT, USA, ³Boston Children's Hospital, Boston, MA, USA, ⁴New York University, New York, NY, USA, ⁵University of Maryland, Baltimore, MD, USA</p>
<p>3:20PM - 3:35PM</p>	<p>Persistent Misconceptions about Inheritance among Graduate Nursing Students <u>Jane Garvin</u>^{1,2}, Beverly Collins² ¹University of St. Augustine for Health Sciences, St. Augustine, FL, USA, ²Augusta University, Augusta, GA, USA</p>	<p>The Impact of Genetics and Environment on Gut Microbiota in Early Life: A Study of Twins and Triplets <u>Jie Chen</u>¹, Wanli Xu¹, Kendra Maas², Xiaomei Cong^{1,3,4} ¹School of Nursing, University of Connecticut, Storrs, CT, USA, ²Microbial Analysis, Resources, and Services, University of Connecticut School of Nursing, Storrs, CT, USA, ³Institute for Systems Genomics, University of Connecticut, Storrs, CT, USA, ⁴Department of Pediatrics, School of Medicine, University of Connecticut, Farmington, CT, USA</p>	<p>Antenatal Antibiotic-Induced Maternal Dysbiosis is Transferred to Offspring During Critical Developmental Window <u>Stephanie Prescott</u>^{1,2}, Jonathan Badger¹, Wendy Henderson², Giorgio Trinchieri¹ ¹National Cancer Institute, Bethesda, MD, USA, ²National Institute of Nursing Research, Bethesda, MD, USA</p>
<p>3:35PM - 3:50PM</p>	<p>Cystic Fibrosis: Simulation, Genomics and Nursing Educational Enhancement <u>Leighsa Sharoff</u> Hunter College, New York, NY, USA</p>	<p>Parenting Interacts with Plasticity Genes in Predicting Behavioural Outcomes in Preschoolers <u>Nicole Letourneau</u>¹, Jason de Koning¹, Bikram Sekhon¹, Henry Ntanda¹, Michael Kobor², Alexander Morin², Gerry Giesbrecht¹, Andrea Deane¹ ¹University of Calgary, Calgary, Canada, ²University of British Columbia, Vancouver, Canada</p>	<p>Relationships among APOE Genotype, Symptoms, and Anastrozole Adherence in Postmenopausal Women with Hormone Receptor Positive Breast Cancer <u>Maura K. McCall</u>, Susan M. Sereika, Yvette P. Conley, Catherine M. Bender University of Pittsburgh, Pittsburgh, PA, USA</p>





Posters

01 The Influence of Maternal Obesity on Microbial Function and Impaired Glucose Tolerance during Pregnancy

Caitlin Dreisbach, Jeanne Alhusen, Anna Maria Siega-Riz
University of Virginia, Charlottesville, VA, USA

03 RNA Seq to Identify Candidate Genes Associated with Circadian Rhythm Disruption among Nurses Rotating Shifts

Christopher Imes, Monica Wagner, Eileen Chasens, Yvette Conley
University of Pittsburgh School of Nursing, Pittsburgh, PA, USA

04 miRNAs Related to Age-Related Macular Degeneration, Given Nuclear and Mitochondrial Genetic Susceptibility

Frances Peterson-Burch¹, Daniel Weeks², Michael Gorin³, Yvette Conley¹

¹University of Pittsburgh School of Nursing, Pittsburgh, PA, USA,

²University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA, USA, ³Jules Stein Eye Institute, University of California Los Angeles, Santa Monica, CA, USA

05 Genetic Health Literacy and Prenatal Genetic Testing in Latina Women: An Exploratory Study

Christina Murphey¹, Robin Page²

¹Texas A&M University, Corpus Christi, TX, USA, ²Texas A&M University, College Station, TX, USA

06 Oxytocin Receptor Gene (OXTR) Single Nucleotide Polymorphism and Delayed Cerebral Ischemia after Subarachnoid Hemorrhage

Lisa Gawron, Lacey Heinsberg, Elizabeth Crago, Yvette Conley
University of Pittsburgh, Pittsburgh, PA, USA

07 Genetic Professional Skills Performance in Nursing: Results from a Large Cohort of Israeli Nurses

Sivia Barnoy¹, Efrat Dagan²

¹Nursing Department, Tel-Aviv University, Tel-Aviv, Israel,

²Department of Nursing, Haifa University, Haifa, Israel

08 Team Science in Maternal-Child Research: A Case Study on the Microbiota and Obesity

Stephanie Prescott¹, Caitlin Dreisbach², Jonathan Badger¹, Jeff Robinson³, Simon Turkington³, Wendy Henderson³, Jeanne Alhusen², Anna Maria Siega-Riz², Giorgio Trinchieri¹

¹National Cancer Institute, Bethesda, MD, USA, ²University of Virginia, Charlottesville, VA, USA, ³National Institute for Nursing Research, Bethesda, MD, USA

09 Improving Opioid Use Disorder Treatment Outcomes

Jana Gainok

The University of Texas at El Paso, El Paso, TX, USA, Direct Care, LLC, Colorado Springs, CO, USA

10 Behind the Scenes of the BRCA Genes, Reducing the Gender Bias

Therese Hughes, Corinne Berg, Kelliann Fee-Schroeder
Mayo Clinic, Rochester, MN, USA

11 Integrative Review of Factors Influencing BRCA Genetic Testing among African Americans Using an Ecological Model

Sungju Lim, Michelle L. Wright

University of Texas at Austin School of Nursing, Austin, TX, USA

12 You and What Army? Biobank Recruitment Using an Army of Undergraduate Volunteers

Christian Reyes¹, Nico Osier^{1,2}

¹Dell Medical School, Austin, TX, USA, ²University of Texas at Austin School of Nursing, Austin, TX, USA

14 Changes in Circulating miRNA Profiles after Dietary Intervention

Young-Eun Cho¹, A-Ra Cho², Sijung Yun³, Hyungsuk Kim¹, Ji-Won Lee², Ann Cashion¹, Hyangkyu Lee⁴

¹National Institute of Nursing Research/National Institutes of Health, Bethesda, MD, USA, ²Department of Family Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, ³Yotta Biomed, LLC, Bethesda, Maryland, USA, ⁴Mo-Im Kim Nursing Research Institute, Yonsei University College of Nursing, Seoul, Republic of Korea

15 Telomere Length and Preterm Birth in Mexican-origin Women: An Exploratory Study

Robin Page, Maria Perez-Patron, Gang Han

Texas A&M University, College Station, TX, USA

16 Genomic Knowledge for Nurses: A Mixed-Methods Study of Literacy and Perceptions

Sarah Dewell¹, Karen Benzies¹, Carla Ginn², Cydnee Seneviratne¹, Sandra Goldsworthy¹

¹University of Calgary, Calgary, Canada, ²University of Calgary, Calgary, Canada

18 Gene-Lifestyle Interactions in the Development of Type 2 Diabetes

Soo-jin Hyun¹, Sang-Eun Jun²

¹Taegu Science University, Dae-gu, Republic of Korea, ²Keimyung University, Dae-gu, Republic of Korea





Posters (continued)

19 Circulating MicroRNAs are Associated with Longitudinal Trajectories of Fasting Blood Glucose and Biological Pathways Related to Type 2 Diabetes

Elena Flowers¹, Alka Kanaya¹, Bradley Aouizerat²

¹University of California San Francisco, San Francisco, CA, USA,

²New York University, New York, NY, USA

20 Baseline Symptom Assess Prior to Palynziq Therapy

Maryann Campbell

Kaiser Permanente, Oakland, CA, USA

21 Developing Cancer Genetics Health Literacy in Hospital Nurses

Kyoko Murakami¹, Saeko Kutsunugo¹, Misae Ito¹, Kazuko Iida¹, Kumiko Tsujino², Teresa Stone¹

¹Yamaguchi University, Ube, Japan, ²University of the Ryukyus,

Naha, Japan

22 Advanced Practice Nurse in Cancer Genetic Counseling: Proposal for a New Role in Brazil

Erika Santos

Beneficencia Portuguesa de Sao Paulo, São Paulo, Brazil, Sociedade Brasileira de Enfermagem em Genética e Genômica, São Paulo, Brazil

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

Sharon Casavant, Xiaomei Cong

University of Connecticut, Storrs, CT, USA

24 Risk and Protective Factors for Vaginal *Lactobacillus* Dominance Among Pregnant African American Women

Michelle Wright¹, Rebecca Mitchell², Alexis Dunn², Anne Dunlop², Elizabeth Corwin²

¹University of Texas at Austin, Austin, TX, USA, ²Emory University, Atlanta, GA, USA

25 Readiness for Genetic Information

Kathi Huddleston, Grace Lawrence, Alma Fuller, Cara Weidinger, Kara Touscany

Inova, Falls Church, VA, USA

26 Microtechnology Point of Care Screening to Determine Prevalence of Sickle Cell Disease and Trait in Rural Sierra Leone

Cheedy Jaja^{1,2}, Steven Perry³, Robert Gibson³, Ann-Marie Kunchinski³, Daniel Kaminstein³

¹University of South Carolina, Columbia, SC, USA, ²Augusta University, Augusta, GA, USA, ³Medical College of Georgia-Augusta University, Augusta, GA, USA

27 Comparative Gene Expression in Cesarean Section (CS) Versus Vaginal Delivery

Kathi Huddleston, Grace Lawrence, Alma Fuller, Prachi Kotjijal, Wendy SW Wong, Xinyue Liu, Suchitra Hourigan, John Niederhuber

Inova, Falls Church, VA, USA

28 Participating in Genomic Research: Is Pregnancy a Window of Opportunity?

Kathi Huddleston, Alma Fuller, Grace Lawrence

Inova, Falls Church, VA, USA

29 Exploring the Association of IL10 and TLR1 Polymorphisms and Symptom Severity among Females with Irritable Bowel Syndrome

Yvette Rodriguez¹, Angelita Utleg¹, Andrew Johnson², Kevin Cain³, Hilaire Thompson¹, Robert Burr¹, William DePaolo⁴, Margaret Heitkemper¹

¹University of Washington School of Nursing, Seattle, WA, USA,

²Fred Hutch, Seattle, WA, USA, ³University of Washington Department of Biostatistics, Seattle, WA, USA, ⁴University of Washington School of Medicine, Seattle, WA, USA

30 Gene Variants and Sleep Problems in Children with Autism Spectrum Disorder

Ann E. E. Johansson, Christine A. Feeley, Eileen R. Chasens

University of Pittsburgh, Pittsburgh, PA, USA

31 Pain and Gene Expression Profiles in Patients with Irritable Bowel Syndrome (IBS): Results from a Pilot Randomized Controlled Trial of a Pain Self-Management Intervention

Wanli Xu, Vijender Singh, Angela Starkweather, Xiaomei Cong

University of Connecticut, Storrs, CT, USA

32 Impact Of Genetic Counseling And Genetic Testing on High-Risk Hereditary Breast and Ovarian Cancer (HBOC)

Natalia Campacci¹, Henrique de Campos Reis Galvão², Paula Carvalho², Lucas França Garcia³, Rebeca Silveira Grasel¹, Patricia Ashton-Prolla⁴, Edénir Inêz Palmero^{1,2,5}

¹Molecular Oncology Research Center, Barretos Cancer Hospital, Barretos-SP, Brazil, ²Oncogenetics Department, Barretos Cancer Hospital, Barretos-SP, Brazil, ³Graduate Program on Health Promotion, UniCesumar, Maringá-PR, Brazil, ⁴Federal University of Rio Grande do Sul, Porto Alegre-RS, Brazil, ⁵Barretos School of Health Sciences, Dr. Paulo Prata – FACISB, Barretos-SP, Brazil





Posters (continued)

33 Investigating Disparities between Mothers and Fathers Enrolling Children into a Pediatric Injury Biobank

Gianeen Magno^{1,2}, Nico Osier^{1,2}

¹University of Texas at Austin School of Nursing, Austin, TX, USA,

²University of Texas at Austin Dell Medical School, Austin, TX, USA

34 Early Life Adversity is Associated with Differential MiRNA Expression in Older African American Women at Risk for Cardiovascular Disease

Karen Saban, Michael Zilliox, Dina Tell, Herbert Mathews, Linda Janusek

Loyola University Chicago, Maywood, IL, USA

35 Nursing Policy and the Return of Genetic Testing Results to Research Patients

Emma Kurnat-Thoma, Carolyn Allen

NINR/NIH/DHHS, Bethesda, MD, USA

36 A Nurse-Initiated Biological Bank and Repository of Human Breast Milk Samples and Associated Medical Data

Kelley Baumgartel¹, Jill Demirci², Yvette Conley², Denise O'Connor³

¹Duquesne University, Pittsburgh, USA, ²University of Pittsburgh, Pittsburgh, PA, USA, ³Mid-Atlantic Mothers' Milk Bank, Pittsburgh, PA, USA

Continuing Education Credits

This activity is being jointly provided by ANA-NY and ISONG. This continuing nursing education activity was approved by the Northeast Multistate Division, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. Nurse participants completing the activity and the evaluation tool will receive up to 13.25 continuing Education credits, plus up to an additional 7.00 Pharma credits, for the Congress and up to 6.00 continuing Nursing Education credits for the Pre-Congress.

