National survey: Genetic Knowledge of Danish Nurses - Needs and Reality

Christiansen, Karin; Mikkelsen, Thomas Raundahl; Nissen, Kari Konstantin

Publication date: 2017

Document Version
Other version

Citation for published version (APA):
Precision Nursing: Through Research, Education and Practice

November 3-5, 2017
Hyatt Regency Reston
Reston, Virginia USA

Congress Brochure

International Society of Nurses in Genetics
Join Us

On behalf of the 2017 International Society of Nurses in Genetics (ISONG) World Congress Planning Committee and the ISONG Board of Directors, we are delighted to invite you to be part of this year’s Congress, an exciting opportunity to network with both new and old colleagues in Reston, Virginia. The venue is located near Washington DC, affording attendees the opportunity to visit the nation’s capital while expanding their knowledge of precision genetic health care.

In keeping with the mission of ISONG to foster scientific discovery and professional growth in nursing and human genetics and genomics worldwide, the focus of the 2017 ISONG World Congress is “Precision Nursing: Through Research, Education and Practice”. Presentations by Keynote, Plenary, Invited speakers and abstract presentations have been selected to meet the following program objectives:

- To describe the concept of personalized nursing, and its translation into nursing research, education and practice.
- To understand the unique, and important role of the professional nurse in the education of patients regarding personalized medicine.
- To recognize bioethical issues surrounding personalized nursing and their application in research, education and practice.
- To apply the concepts gained through this conference to further integrate personalized nursing in their own clinical specialty.

We couldn’t have our meeting without the support of our Congress sponsors. Please stop by each booth, hear what is new and thank them for coming to Virginia!

Sincerely,

Susan W. Wesmiller, PhD, RN
Congress Co-chair

Deborah Tamura, MS, RN
Congress Co-chair

In Recognition of the Dedication in the Planning of the ISONG World Congress

2017 Congress Committee

Tara Albrecht, PhD, ACNP-BC
Katherine Beutner, MS, CNS-BC, NP-BC
Cheryl Brubaker, BSN, MSN, DNP, FNP-BC
Dennis J. Cheek, RN, PhD, FAHA
Sylvia S. Estrada, DNP, WHNP-BC, CBCN
Jane Garvin, PhD, APRN, FNP-BC
Jessica M. Gill, PhD, RN
Mary Quinn Griffin, PhD, RN, FAAN, ANEF
Michael Groves, PhD, RN, CNE

Lynnette Howington, DNP, RNC, WHNP-BC, CNL
Kathi Huddleston, PhD, RN, CCRC
Elisabeth Klein, DNP, CCRP, CNS, RNC
Theresa Koleck, PhD, BSN, RN
Stephanie Nikbakht, DNP, PPCNP-BC
Mandy Schmella, PhD, RN
Memnun Seven, RN, PhD
Kim Walker, MSN, RN, CPNP
Mckenzie Wallace, BSN, BA, RN
Conference Venue
We are delighted to announce that the 2017 ISONG World Congress on Nursing and Genomics will be held in Reston, Virginia USA.

Reston, Virginia is conveniently located approximately 35 minutes outside of Washington D.C. This allows for an ideal starting point for exploring Washington DC and fascinating Virginia, as well. Discover history, enjoy shows at Wolf Trap or Patriot Center, tour the wine country, shop, walk or bike on the Old Dominion Trails or wander through the newest Smithsonian Museum, The Udvar-Hazy Center in Chantilly, Virginia. The Udvar-Hazy Center is the companion facility to the Smithsonian Museum on the National Mall in Washington, DC and lists some of the World's most significant objects in aviation and space history. The Center also offers the Donald D. Engen Observation Tower, which gives you a 360-degree bird's-eye view of Washington Dulles International Airport and the surrounding area.

Hotel and Travel Details
The Hyatt Regency Reston Hotel will serve as the host hotel for the 2017 ISONG Congress. Conde Nast Traveler Magazine has named this Four-Diamond Reston hotel a Readers Choice Top 100 Hotel in the United States. This luxury hotel offers a full range of services and amenities, a heated indoor pool, a sun deck and oversized elegantly appointed guestrooms.

The hotel is located in Reston Town Center. Reston Town Center is a lovely community destination, offering an acclaimed outdoor venue, more than 50 shops, 35 restaurants and an 11-screen cinema all within walking distance of the hotel. The center's hub features the 20-foot Mercury Fountain designed by the sculptor Saint Clair Cemin and the Pavilion hosts festivals throughout the year. Reston Town Center is home to The Northern Virginia Fine Arts Festival, Taste of Reston. From the hotel, guests can access the Old Dominion Trails by walking across the street.

**Host Hotel**
Hyatt Regency Reston
1800 Presidents Street
Reston, Virginia 20190 USA
Phone: +1 703-709-1234

The ISONG Congress group room rates are as follows:
$179 Single/ Double plus taxes

The hotel offers a complimentary shuttle to/from the Dulles Airport. (see airport travel for the details.)

**All room reservations must be made by October 11, 2017 to ensure that you get the discounted group room rate. It is recommended that you make your reservation as soon as possible.**

Check in 3PM / Check out 11AM

**Hotel Parking**
The Hyatt Regency Reston offers valet parking or self parking options.
Valet Parking Cost:
Daily - $20.00 / Overnight - $25.00
Self-Parking Cost:
Daily - $18.00 / Overnight - $15.00

**Airport Travel Options**
**Dulles International Airport (IAD)**
Located 6.7 miles from Hyatt Regency Reston. The Hyatt Regency Reston offers a complimentary shuttle that arrives at Dulles Airport at the top of each hour between 6am-10pm Monday through Friday and 7am-10pm on Saturday & Sunday. The pick-up and drop-off point will be at curbs 2A and 2H, adjacent to the lower level baggage claim level. Return shuttle transportation from the hotel departs on the :45 beginning at 5:45am Monday-Friday and 6:45am Saturday & Sunday. For more information please contact the hotel concierge at 1 (703) 709-1234 x51.

**Ronald Reagan Washington National Airport (DCA)**
Located 23.8 Miles from Hyatt Regency Reston. Super Shuttle service is available for approx $27 each way. For information or reservations call 800-BLUE-VAN or book online. Taxi fare is approx $50 to $60 depending on traffic. Additional options include the METRO's Blue or Yellow Line to Silver Line.
**Welcome Reception**

We would like to invite all ISONG Congress to the Welcome Reception on Thursday evening, November 2 from 7-9PM. It is a great way to kick off our annual meeting and to connect with new and old friends!

**Invited Speakers Session**

The Invited Speakers listed in the program were recognized by members of the ISONG Congress Planning Committee as experts in their field of research and genetics and were invited to share their knowledge with the attendees.

**Donate A Raffle Item**

Please consider making a donation to the ISONG raffle. The ISONG raffle is always a highly anticipated event at the annual Congress! Our members hail from all over the world and we usually have an array of unique items. Bring something from your hometown, country, hospital/academic institution or a cultural item. Make sure that your item will travel well – meaning it is compact, lightweight, and can be easily transported in a suitcase. If you prefer, you can support the raffle though a monetary donation (the Congress Committee will purchase items with the donations for the raffle.) Click here to make a monetary donation. Please direct any questions to ISONG Raffle Committee chair Sylvia Estrada at estradas@cshs.org. Be a part of the raffle prize drawing on Friday at 5PM - it will be lively!

**ISONG Awards and Grants**

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. With the contributions from ISONG members who donated to the Nursing Research Donations Campaign to support their fellow members, an additional grant will be offered this year. These grants as well as the Founders Awards and President's Award will be presented during the lunch program on Saturday.

**Abstract Sessions/Scientific Posters/Poster Blitz Session**

The 2017 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 and due to popular demand the “Poster Blitz” session is once again featured in the program. This session provides select poster presenters with the opportunity to orally present their work to Congress attendees with a brief overview of their work in addition to presenting at the traditional poster session. The Poster Session and Reception will immediately follow the Poster Blitz to provide the attendees dedicated time to meet with the poster authors.

---

**Congress Registration**

Register early to secure your spot and to take advantage of the early registration discounted rate.

<table>
<thead>
<tr>
<th></th>
<th>Before September 5</th>
<th>After September 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISONG active dues member</td>
<td>$495.00</td>
<td>$545.00</td>
</tr>
<tr>
<td>Podium / Abstract Presenter</td>
<td>$495.00</td>
<td>$545.00</td>
</tr>
<tr>
<td>&quot;Non-member&quot;</td>
<td>$645.00</td>
<td>$695.00</td>
</tr>
<tr>
<td>Full-time students</td>
<td>$395.00</td>
<td>$425.00</td>
</tr>
</tbody>
</table>

(With copy of University/Program ID card)

*Non-members – Join now for membership benefits and take advantage of the reduced Congress registration fees. Click here to join ISONG.*

For payment by check – after you register online, please print the registration form or 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 contact us via email at: linda@isong.org. *All cancellations must be received in writing. A $50.00 USD administrative fee will be deducted from cancellations received up to 14 days in advance. After that time, no refunds can be made.*
Congress Program Agenda

Thursday, November 2, 2017

4:00PM – 8:00PM  Congress Registration
7:00PM – 9:00PM  Welcome Reception

Friday, November 3, 2017

7:30AM – 5:00PM  Congress Registration
7:30AM – 8:30AM  Coffee, Tea / Visit Exhibits, Posters and Raffle
8:30AM – 8:45AM  President’s Welcome and Opening Remarks
Elizabeth L. Pestka, MS, PMHCNS-BC, AGN-BC
ISONG President
Clinical Nurse Specialist
Pain Rehab Center
Assistant Professor of Nursing
Mayo Clinic
Rochester, Minnesota USA

8:45AM – 9:45AM  Opening Keynote Presentation - Prenatal Genome Sequencing
Benjamin E. Berkman, JD, MPH
Deputy Director
NHGRI (National Human Genome Research Institute)
National Institutes of Health
Bethesda, Maryland USA

Benjamin D. Solomon, MD, FACMG
Managing Director
GeneDx
Gathersburg, Maryland USA

Continuing Education Credits
ISONG and the University of Pittsburgh School of Nursing are collaborating to provide this learning activity. Contact hours are being determined and will be posted prior to the learning activity. The University of Pittsburgh School of Nursing is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.
## Friday, November 3, 2017

### 9:45AM – 10:45AM Abstract Sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Clinical Practice</th>
<th>Research</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:45AM – 10:00AM</td>
<td><strong>Family Health History In Primary Care: A Critical Analysis Of Available Tools</strong></td>
<td><strong>Suffering In The Midst Of Technology: Routine Prenatal Ultrasound Screening to Turbulent Congenital, Chromosome or Genetic Disorder Results</strong></td>
<td><strong>A Novel Hypomethylator Phenotype Unique to Basal-like Breast Cancer: Implications for Epigenetically Based Interventions</strong></td>
</tr>
<tr>
<td></td>
<td>Karen J Whitt1, Ann Maradiegue2, Gaye Ray3, Lauren Bretzing3, George Washington University, Washington, DC, USA, James Madison University, Harrisonburg, VA, USA, Brigham Young University, Provo, UT, USA</td>
<td>Jeanne Gottlieb1, University of Southern Maine, Portland, ME, USA</td>
<td>Theresa Swift-Scanlan1, Mikhail Dozmorov1, Virginia Commonwealth University, Richmond VA, USA</td>
</tr>
<tr>
<td>10:00AM – 10:15AM</td>
<td><strong>Standards of Practice: Living in the Real World</strong></td>
<td><strong>Antibiotic Exposure During Pregnancy Effects Offspring Microbial Colonization: Bad Bugs Bloom</strong></td>
<td><strong>Genetic Characterization of Families from a Hereditary Cancer Registry in Brazil</strong></td>
</tr>
<tr>
<td></td>
<td>Alice Kerber1, Nancy Ledbetter2, Suzanne Mahon3, Georgia Center for Oncology Research and Education, Atlanta, Georgia, USA, Portland Wellness Center, Portland, Oregon, USA, Saint Louis University, St. Louis, MO, USA</td>
<td>Stephanie Prescott1, Ernesto Perez-Chanon2, Wendy Henderson3, Giorgio Trinchieri5, National Institute of Nursing Research, Bethesda, MD, USA, National Cancer Institute, Cancer and Inflammation Program, Bethesda, MD, USA, University of Virginia, Charlottesville, Virginia, USA, Fairfax Neonatal Associates, Falls Church, VA, USA</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>A Toolbox Approach to Guide Ethical Decision-Making in Genetics and Genomic Nursing</strong></td>
<td><strong>Breast Milk Microbiota Profiles Among Mothers With Preterm Infants: A Review of the Literature</strong></td>
<td><strong>A Model Of The Childhood Lymphoma Implicates Important Prognostic Genes In Cancer Survival</strong></td>
</tr>
<tr>
<td></td>
<td>Mary Beth Steck1, Clemson University, Clemson, SC, USA</td>
<td>Kelley Baumgartel1, Michael Morowitz2, University of Pittsburgh, School of Nursing, Pittsburgh, PA, USA, University of Pittsburgh, School of Medicine, Pittsburgh, PA, USA</td>
<td>Rieko Sotojima1, Joelle Fenger2, William Kisseberth1, Jennie Rowell1, The Ohio State University College of Nursing, Columbus, OH, USA, The Ohio State University College of Veterinary Medicine, Columbus, OH, USA, The Ohio State University Comprehensive Cancer Center, Columbus, OH, USA</td>
</tr>
<tr>
<td></td>
<td><strong>An Initiative to Mentor Nurses</strong></td>
<td><strong>Primary Care Nurse Practitioners’ Knowledge and Experience Regarding the Management of Presumptive Positive Results of the Kentucky Mandated Newborn Screening Program</strong></td>
<td><strong>Development Of An Interactive Pharmacogenomic Education Module: Comparison Of Oncology Nurses’ Knowledge And Attitudes Within Teaching And Community Hospitals</strong></td>
</tr>
<tr>
<td></td>
<td>Susan Montgomery1, Tammy McMamie1, Fox Chase Cancer Center, Philadelphia, PA, USA, W. Temple Webber Cancer Center, Texarkana, TX, USA</td>
<td>Delwin Jacobs1, Angela Crutcher1, Spalding University, Louisville, KY, USA, University of Kentucky, Lexington, KY, USA</td>
<td>Crissy Dodson1, University of North Carolina at Wilmington, Wilmington, NC, USA</td>
</tr>
</tbody>
</table>

### 10:45AM – 11:15AM Refreshment Break/ Visit Exhibits, Posters and Raffle

---

**ISONG Genetic Nursing Research Grant Award Recipients**

Look for the ribbons throughout the congress program denoting the authors who are past recipients of this award.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:15AM – 12:15PM</td>
<td>Abstract Sessions</td>
</tr>
<tr>
<td>11:15AM – 12:00PM</td>
<td>Clinical Practice</td>
</tr>
<tr>
<td>Clinical Utility Of Rapid Genomic Sequencing In The Neonatal And Pediatric Intensive Care Units: What Nurses Need To Know Julie Cakici¹, Stephen Kingsmore¹, David Dimmock², Sara Caylor³, ¹Rady Children's Institute for Genomic Medicine, San Diego, CA, USA</td>
<td>A Novel Approach to Genotype-phenotype Profiling for Ryanodine Receptor 1-related Myopathies Katherine Meilleur¹, Monique Shelton¹, Jessica Witherspoon¹, Carolyn Allen¹, M. Sonia Razagyar¹, Michaela Cortes¹, Irene Chrimer¹, ¹National Institute of Nursing Research, Bethesda, MD, USA</td>
</tr>
<tr>
<td>12:00PM – 12:15PM</td>
<td>Research</td>
</tr>
<tr>
<td>Genetic Variation And Drug Phenotype Data For 3372 Newborns That Completed Pharmacogenetic Testing Grace N Lawrence¹, Julie A Muskett¹, Allison G Mitchell¹, Grace Jo¹, Kathleen Brown¹, Ramaswamy Iyer¹, ¹Inova, Falls Church, VA, USA</td>
<td>The Importance of Coronary Heart Disease Family History for Triage Evaluation of Patients With ST Elevation Myocardial Infarction in the Emergency Department Efrat Dagan¹, Mor Saban¹, Rabia Salame², Aziz Darawsha¹, ¹University of Haifa, Haifa, Israel, ²Rambam Health Care Campus, Haifa, Israel</td>
</tr>
<tr>
<td>12:15PM – 1:45PM</td>
<td>Lunch / Networking and ISONG Committee Meetings</td>
</tr>
<tr>
<td>1:45PM – 2:30PM</td>
<td>Keynote Presentation - The Ethics in Research</td>
</tr>
<tr>
<td>David S. Wendler, MA, PhD</td>
<td>Head, Section on Research Ethics Department of Bioethics Clinical Center National Institutes of Health Bethesda, Maryland USA</td>
</tr>
</tbody>
</table>
### Friday, November 3, 2017 (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30PM – 3:00PM</td>
<td>Refreshment Break / Visit Exhibits, Posters and Raffle</td>
</tr>
<tr>
<td>3:00PM – 4:00PM</td>
<td><strong>Invited Speakers</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Global Genetics Nursing Alliance – Creating a Roadmap</strong></td>
</tr>
<tr>
<td></td>
<td><em>Kathleen Calzone, PhD, RN, APNG, FAAN</em></td>
</tr>
<tr>
<td></td>
<td>Research Geneticist</td>
</tr>
<tr>
<td></td>
<td>National Cancer Institute</td>
</tr>
<tr>
<td></td>
<td>Bethesda, Maryland USA</td>
</tr>
<tr>
<td></td>
<td><em>Maggie Kirk, PhD, BSc Hons, DipN, RGN, FRCN, SFHEA</em></td>
</tr>
<tr>
<td></td>
<td>Professor of Genetics Education</td>
</tr>
<tr>
<td></td>
<td>University of South Wales</td>
</tr>
<tr>
<td></td>
<td>Glyntaff, Wales, UK</td>
</tr>
<tr>
<td>3:00PM – 3:30PM</td>
<td><strong>Genetic Testing for Hereditary Cancer Syndromes: A Foreign Language or The Way of the Future?</strong></td>
</tr>
<tr>
<td></td>
<td><em>Tammy McKamie, RN, MSN, OCN, GCN</em></td>
</tr>
<tr>
<td></td>
<td>Genetic Clinical Nurse/ Educator</td>
</tr>
<tr>
<td></td>
<td>Christus St. Michael Cancer Treatment Center</td>
</tr>
<tr>
<td></td>
<td>Texarkana, Texas USA</td>
</tr>
<tr>
<td>3:30PM – 4:00PM</td>
<td><strong>Promising Strategies for Genomic Nursing Education</strong></td>
</tr>
<tr>
<td></td>
<td><em>Linda D Ward, PhD, ARNP</em></td>
</tr>
<tr>
<td></td>
<td>Assistant Professor</td>
</tr>
<tr>
<td></td>
<td>College of Nursing</td>
</tr>
<tr>
<td></td>
<td>Washington State University</td>
</tr>
<tr>
<td></td>
<td>Spokane, Washington USA</td>
</tr>
<tr>
<td>3:30PM – 4:00PM</td>
<td><strong>Epigenomic Biomarkers in Preeclampsia</strong></td>
</tr>
<tr>
<td></td>
<td><em>Cindy Anderson, PhD, CRNP, WHNP-BC, FNAP, FAHA, FAAN</em></td>
</tr>
<tr>
<td></td>
<td>Associate Dean for Academic Affairs and Educational Innovation</td>
</tr>
<tr>
<td></td>
<td>College of Nursing</td>
</tr>
<tr>
<td></td>
<td>The Ohio State University</td>
</tr>
<tr>
<td></td>
<td>Columbus, Ohio USA</td>
</tr>
<tr>
<td>4:00PM – 5:00PM</td>
<td><strong>Poster Blitz Oral Presentations</strong></td>
</tr>
<tr>
<td>4:45PM – 5:45PM</td>
<td><strong>Poster Reception</strong></td>
</tr>
<tr>
<td>5:45PM – 6:30PM</td>
<td><strong>Fireside Chat</strong></td>
</tr>
</tbody>
</table>

### Exhibits

Please visit and support our sponsors and exhibitors in the exhibit hall during the Congress. Sponsorship of the annual Congress helps to support this premier educational opportunity and the ISONG Research Grants awarded for nurses in genetics/genomics worldwide.
Saturday, November 4, 2017

7:45AM – 5:00PM  Congress Registration

7:45AM – 8:45AM  Coffee, Tea / Visit Exhibits, Posters and Raffle

8:45AM – 9:00AM  Announcements

9:00AM – 9:45AM  Keynote Presentation – State of the Science in Genomic Nursing

Patricia A. Grady, PhD, RN, FAAN
Director
National Institute of Nursing Research
National Institutes of Health
Bethesda, Maryland USA

9:45AM – 10:30AM  P30 Grant Panel

Precision in Symptom Self-Management (PriSSM): Looking Through a Nursing Lens for the Future

Kathleen T. Hickey, EdD, FNP, ANP, FAHA, FAAN
Associate Professor
School of Nursing
Columbia University
Nurse Practitioner
Division of Cardiology
Columbia University
New York, New York USA

Towards Oncology Precision Symptom Science: Phenotype-Omics Association Studies in Clinically Relevant Animal Models

Susan G. Dorsey, PhD, RN, FAAN
Professor of Nursing
Chair, Department of Pain and Translational Symptom Science
Co-Director
UM Center to Advance Chronic Pain Research
University of Maryland Baltimore
Baltimore, Maryland USA

Achieving Precision Pain Management Through Nursing Research: A Trajectory to the Bull’s-Eye

Angela Starkweather, PhD, ACNP-BC, CNRN, FAAN
Director
Center for Advancement in Managing Pain
Professor
University of Connecticut
Storrs, Connecticut USA

10:30AM – 11:00AM  Refreshment Break / Visit Exhibits, Posters and Raffle
<table>
<thead>
<tr>
<th>Time</th>
<th>Clinical Practice</th>
<th>Clinical Practice</th>
<th>Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00AM – 12:00PM</td>
<td><strong>Abstract Sessions</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00AM – 11:15AM</td>
<td><strong>Clinical Practice</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Next-Generation Sequencing: Implications Surrounding Usefulness for Newborn Screening</td>
<td>Satishkumar Ranganathan Ganakammal¹, ¹Clemson University, Clemson, SC, USA</td>
<td>Revision Of The Genomic Nursing Concept Inventory</td>
</tr>
<tr>
<td></td>
<td>¹Clemson University, Clemson, SC, USA</td>
<td></td>
<td>Linda D. Ward¹, ¹Washington State University, Spokane, WA, USA</td>
</tr>
<tr>
<td></td>
<td>Testing Safety and Efficacy: The Randomized Controlled Exploratory Study of Exercise Training in Hypertrophic Cardiomyopathy (RESET-HCM)</td>
<td>Heidi Salisbury¹, Euan Ashley², Sharlene Day³, Sara Saberi³, Adam Helms³, John Meyers³, John Herrera³, Suwen Kumar³, Yael Schmargad³, Annika Dries³, Matthew Wheeler³, Maryann Concannon³, Anil Attili³, Prachi Agarwal³, Whitney Hornsby³, Jennifer Bragg-Gresham³, ¹Stanford Health Care, Palo Alto, CA, USA, ¹University of Michigan, Ann Arbor, MI, USA</td>
<td></td>
</tr>
<tr>
<td>11:15AM – 11:30AM</td>
<td>Genetic Counselling Outcome Scale (GCOS-24): Cultural Adaptation And Validation For Use In Measuring Patient-Reported Outcomes From Genetic Counselling In Brazil</td>
<td>Milena Flória-Santos², Marion McAllister², Mayara Segundo Ribeiro², Bruna Tavares Bacalá², Ana Paula Torres², Alan Assunção², Jennifer Thalita Targino dos Santos², ¹University of São Paulo at Ribeirão Preto College of Nursing, Ribeirão Preto, São Paulo, Brazil, ¹Cardiff University School of Medicine, Cardiff, Wales, UK</td>
<td>Learning From Patients With Rare Diseases: Clinical Challenges Faced By Two Patients With Different Forms Of Methylmalonic Acidemia (MMA)</td>
</tr>
<tr>
<td></td>
<td>Learning From Patients With Rare Diseases: Clinical Challenges Faced By Two Patients With Different Forms Of Methylmalonic Acidemia (MMA)</td>
<td>Carol Van Ryzin¹, Susan Ferry¹, ¹NIH/NHGRI, Bethesda, MD, USA</td>
<td></td>
</tr>
<tr>
<td>11:30AM – 12:00PM</td>
<td>Outcomes of Newborn Screening for Lysosomal Storage Disorders in Illinois</td>
<td>Evaluating the Practicality of Clinic-Wide Utilization of a Psychotropic Assay</td>
<td>Measuring Genomic Literacy Among Lebanese Nurses</td>
</tr>
<tr>
<td></td>
<td>Erika Vucko¹, Lauren Hitchins¹, ¹Ann &amp; Robert H. Lurie Children's Hospital, Chicago, IL, USA</td>
<td>Katie Halbmayer¹, Virginia Conley¹, ¹University of Iowa College of Nursing, Iowa City, Iowa, USA, ¹Eyerly Ball, Des Moines, IA, USA</td>
<td>Kathi C. Huddleston¹, Linda D. Ward¹, Maya Nizam¹, Iman Kouatly¹, Alik Sarian¹, Lina Kurdaie Badri¹, ¹Inova Translational Medicine Institute, Falls Church, VA, USA, ¹Washington State University, Spokane, WA, USA, ¹American University of Beirut Medical Center, Beirut, Lebanon</td>
</tr>
</tbody>
</table>

**Lunch/Awards Presentations/Business Meeting**

Enjoy lunch and networking while honoring IS0NG members as the awards for Nursing Research Grants, Founders’ and President’s awards are presented. Also, this is an exciting time to hear updates about our organization, committee reports and the goals of IS0NG for the coming year - please join us!
## Saturday, November 4, 2017 (continued)

### 2:00PM – 3:15PM  
**Abstract Sessions**

<table>
<thead>
<tr>
<th>Time</th>
<th>Research</th>
<th>Research</th>
<th>Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00PM – 2:15PM</td>
<td>ICU Delirium And Changes In IL6ST Methylation. Sheila Alexander¹, Bryan McVerry¹, Scott Gunn¹, Yvette Conley¹, Dianxu Ren¹, ¹University of Pittsburgh, Pittsburgh, PA, USA</td>
<td>Differences in the Stool and Skin Microbiome and in Antimicrobial Resistance Genes in a Private Room Versus Open-bay Neonatal Intensive Care Unit Kathi Huddleston¹, Elisabeth Klein¹, Varsha Deopujari¹, Suchitra Hourigan¹, ¹Inova Translational Medicine Institute, Falls Church, VA, USA, ²Pediatric Specialists of Virginia, Fairfax, VA, USA</td>
<td>Measuring Meaningful Learning Through Longitudinal Tracking Of Genomic Knowledge Linda D. Ward¹, Lynn Jinishian¹, ¹Washington State University, Spokane, WA, USA</td>
</tr>
<tr>
<td>2:15PM – 2:30PM</td>
<td>DNA Methylation Hints at Biological Mechanisms in the Critically Ill Patient: A Pilot Study Jennie Rowell¹, Judy Tate¹, Michele Balas¹, Matthew Exline¹, Linda Chlan¹, Pearly Yan¹, Jackson Killian¹, Mary Beth Hap¹, Chi Song¹, Guy Brock¹, Ralf Bundschuh¹, ¹The Ohio State University, Columbus, OH, USA</td>
<td>Understanding Parental Refusal To Enroll Their Children In A Genomic Sequencing Research Study Annastasia Ouma¹, Stacy Hines-Dowell¹, Kayla Hamilton¹, Lynn Harrison¹, Elsie Gerhardt¹, Victoria Liddle¹, Rose McGee¹, Regina Nuccio¹, Emily Quinn¹, Jessica Valdez¹, Chimene Kesserwan¹, Kim Nichols¹, ¹St. Jude Childrens Research Hospital, Memphis TN, USA</td>
<td>Up to Date: Ankyloglossia and Maxillary Lip-ties Emily Hopkins¹, ¹Chatham University, Pittsburgh, PA, USA</td>
</tr>
<tr>
<td>2:30PM – 2:45PM</td>
<td>DNA Methylation Associated with Early Neurodevelopment in Preterm Infants Rita Pickler², Cindy Anderson², Maciej Pietrzak², Joyce Ohm³, ¹Roswell Park Cancer Institute, Rochester, NY, USA, ²The Ohio State University, Columbus, OH, USA</td>
<td>Factors Affecting Recruitment And Consent To Biological Specimen Banking In An Observational Cohort Study Of Pregnant Women Shannon Gillespie¹, Cindy Anderson¹, ¹The Ohio State University, Columbus, OH, USA</td>
<td>Gene Expression Patterns and Measurement of Gene Expression Changes Komal Singh¹, Christine Miaskowski¹, Elena Flowers¹, Anand Dhruva¹, Kord Kober¹, ¹University of California San Francisco, San Francisco, CA, USA</td>
</tr>
<tr>
<td>2:45PM – 3:00PM</td>
<td>Blood-Based DNA Methylation Levels Of Endoglin Pathway Candidate Genes: Do They Differ In Women With And Without Clinically-Overt Preeclampsia? Allison Rietze¹, Yvette Conley¹, Carl Hubel¹, Arun Jeyabal¹, James Roberts¹, Mandy Schmella¹, ¹University of Pittsburgh, Pittsburgh, PA, USA, ²Magee-Womens Research Institute and Foundation, Pittsburgh, PA, USA</td>
<td>Relationship Between Psychosocial Distress In Pregnancy And Two Genes Associated With Human Social Interaction Sarah Dewell¹, Donna Slater¹, Karen Benzes¹, Sheila McDonald¹, Suzanne Tough¹, ¹University of Calgary, Calgary, AB, Canada</td>
<td>Keeping Pace With Genetics: An Educational Program on Prenatal Cell-free DNA Screening for Obstetricians. Karen Hanson¹, Joseph D. McInerney¹, Michael Dougherty¹, ¹American Society of Human Genetics, Bethesda, MD, USA</td>
</tr>
<tr>
<td>3:00PM – 3:15PM</td>
<td>Dietary Status and DNA Methylation in Endothelial Dysfunction: A Pilot Study Cindy Anderson¹, Shannon Gillespie¹, Danielle Perley¹, Joyce Ohm¹, ¹The Ohio State University, Columbus, OH, USA, ²University of North Dakota, Grand Forks, ND, USA, ³Roswell Park Cancer Institute, Buffalo, NY, USA</td>
<td>The Gut Microbiome in Necrotizing Enterocolitis: A Case Study of Twins Elisabeth Klein¹, Kathi Huddleston¹, Varsha Deopujari¹, Suchitra Hourigan¹, ¹Inova Translational Medicine Institute, Falls Church, VA, USA, ²Pediatric Specialists of Virginia, Fairfax, VA, USA</td>
<td>Pairing Pedagogical and Genomic Advances to Prepare APNs for the Era of Precision Health Elena Flowers¹, Hamza Abid¹, Sasha Binford¹, Meg Martin¹, Lynda Mackin¹, ¹University of California, San Francisco, CA, USA</td>
</tr>
</tbody>
</table>

### 3:15PM – 3:45PM  
**Refreshment Break / Visit Exhibits, Posters and Raffle**
<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:45PM – 5:00PM</td>
<td><strong>Research</strong></td>
</tr>
</tbody>
</table>
|              | **Moderate Blast Exposure Alters Peripheral Concentrations of Proteins Related to Neurodegeneration**
|              | *Nicole Osier*, Jessica Gill, Katie Edwards, Kristine C. Dell, Walter Carr, Peter Walker, Steven Ahlers, Matthew LoPresti, Angela Yarnell, National Institutes of Health, National Institute of Nursing Research, Bethesda, MD, USA, Walter Reed Army Institute of Research, Silver Spring, MD, USA, USARMC, Fort Detrick, MD, USA, Naval Medical Research Center, Silver Spring, MD, USA |
|              | **OMICS Nursing Science and Education Network (ONGEN)**
|              | *Kathleen Calzone*, Ann Cashion, Lois Tully, Jean Jenkins, National Institutes of Health, National Cancer Institute, Bethesda, MD, USA, National Institutes of Health, National Institute of Nursing Research, Bethesda, MD, USA, National Institutes of Health, National Human Genome Research Institute, Bethesda, MD, USA |
|              | **Genetic Risk Factors of the Transition from Acute to Chronic Pain**
|              | *Angela Starkweather*, Divya Ramesh, Mallory Perry, Thomas Julian, Katherine Bernier, Debra Lyon, Susan Dorsey, Kyle Baumbauer, Erin Young, University of Connecticut, Storrs, CT, USA, University of Maryland, Baltimore, MD, USA, University of Florida, Gainesville, FL, USA |
| 4:00PM – 5:00PM | **Neurobiological Mechanisms Of Chemobrain: A Feasibility Study Using An Animal Model**
|              | *Grace Lawrence*, Kyeung Mi Oh, Margaret Rodan, Theodore Dumas, Virginia Espina, George Mason University, Fairfax, VA, USA, INOVA, Falls Church, VA, USA |
|              | **Clinical Documentation Of Genetic Counseling-related Emotional Distress In Electronic Health Record Narratives**
|              | *Theresa Kolec*, Suzanne Bakken, Kathleen Hickey, Nicholas Tatonetti, Columbia University, New York, NY, USA |
|              | **HLA-Matched Adult Sibling Donor Allogeneic Hematopoietic Stem Cell Transplantation (AlloHSCT) Experience and Health-related Quality of Life in Sickle Cell Disease (SCD)**
|              | *Agatha Gallo*, Derrick McCoy, Crystal Patil, Lewis Hsu, Molly McGown, University of Illinois at Chicago, Chicago, IL, USA, Northwestern University, Chicago, IL, USA |
| 4:45PM – 5:00PM | **Oxytocin Receptor (OXTR) and Vasopressin Receptor (AVPR1A) Genes as Candidate Genes for Apathy in Persons with Alzheimer Disease**
|              | *Emilie Goris*, Jamie Johnson, Sarah Melby, Alexandra Vroom, Debra Schutte, Hope College, Holland, MI, USA, Wayne State University, Detroit, MI, USA |
|              | **Assessing Awareness and Integration of the Genetic Information Nondiscrimination Act of 2008 (GINA) Among Nurse Practitioner Faculty**
|              | *Mary Steck*, Clemson University, Clemson, SC, USA |
|              | **Identifying Gene Variants Associated With The Poor Absorption Of A Key Anti-inflammatory Nutrient Betacarotene: Implications For Healthcare**
|              | *Bobbi Laing*, Nishi Karunsinghe, Lynnette Ferguson, University of Auckland, Auckland, New Zealand |
| 5:00PM – 5:30PM | **Altered Gene Expression Following Blast-Induced Traumatic Brain Injury in a Military Population**
|              | *Katie Edwards*, Nicole Osier, Vida Motamed, Jessica Gill, National Institute of Nursing Research, National Institutes of Health, Bethesda, MD, USA |
|              | **Diabetes Education Is Associated with Improved Sleep Quality and Changes in Gene Methylation**
|              | *Evelyn G. Bigini*, Eileen R. Chasens, Yvette P. Conley, Christopher C. Imes, University of Pittsburgh School of Nursing, Pittsburgh, PA, USA |
|              | **Lysozyme Association With Extracellular Vesicles And Circulating RNA**
|              | *Sarah Abey*, Yuana Yuana, Paule Joseph, Natnael Kenea, Nicolaas Fourie, LeeAnne Sherwin, Gregory Gonye, Paul Smyser, Erin Stempinski, Christina Boulineaux, Kristen Weaver, Christopher Bleck, Wendy Henderson, Digestive Disorders Unit, Division of Intramural Research, National Institutes of Health, Department of Health and Human Services, Bethesda, MD, USA, Image Sciences Institute, Division of Imaging, University Medical Centre, Utrecht, Netherlands, Germany, NanoString Technologies, Seattle, WA, USA, The Pennsylvania State University, College of Medicine, Hershey, PA, USA, Electron Microscopy Core Facility, National Heart Lung Blood Institute, National Institutes of Health, Department of Health and Human Services, Bethesda, MD, USA |
| 5:30PM – 5:45PM | **Family Communication About Familial Risk Of Stroke Promotes Perceived Risk In Adult Offspring of Stroke Patients**
|              | *Masakazu Nishigaki*, Mana Kawaguchi, Maimi Fukumori, Miyako Minoda, Akiko Ota, Kyoto University, Kyoto, Japan, Brain Attack Center Ota Memorial Hospital, Fukuyama, Japan |
|              | **Developing A Pre-appointment Video To Prepare New Families For Genetics Clinic Visit**
|              | *Andrea Hartgraves*, Tammy Fairbanks, Seattle Children's Hospital, Seattle, WA, USA |
|              | **A Complex Genetic Variant with Distinct Phenotype as a Model for Understanding Common-Complex Diseases**
|              | *Elizabeth McNamara*, Jacob Bailey, Carlos Alvarez, Jennie Rowell, The Ohio State University College of Nursing, Columbus, OH, USA, The Ohio State University College of Medicine, Columbus, OH, USA |
Sunday, November 5, 2017

7:15AM – 12:00PM  Congress Registration

7:15AM – 8:00AM  Coffee, Tea / Visit Exhibits

8:00AM – 8:30AM  **Incoming President Address**
*Mindy Tinkle, PhD, RN, WHNP-BC, FAAN*
Associate Professor
College of Nursing
University of New Mexico
Albuquerque, New Mexico USA

8:30AM – 9:30AM  **International Panel**
This panel will be an exciting overview from participant countries on genetic nursing in research, education and practice with the focus on precision nursing. Due to the popularity of this session, the presentation time has been increased for this year's program.

9:30AM – 10:00AM  **Invited Speaker**
*Allison A. Vorderstrasse, DNSc, APRN, FAAN*
Associate Professor
School of Nursing
Duke University
Durham, North Carolina USA

10:00AM – 10:30AM  Refreshment Break/Visit Exhibits

10:30AM – 11:00AM  **Invited Speaker**
*Pharmacogenomics Update*
*Dennis Cheek, RN, PhD, FAHA*
Professor
Harris College of Nursing and Health Sciences
Texas Christian University
Fort Worth, Texas USA

11:00AM – 12:00PM  **Closing Keynote Speaker – Developing EXPertise; The UK Journey**
*Sally Turner*
CNS in Xeroderma Pigmentosum, Children
St. John's Institute of Dermatology
St. Thomas' Hospital
London, United Kingdom

**Congress Concludes**
Carpenter Syndrome - A Case Report of a Rare Autosomal Recessive Condition
Delwin Jacoby1, 1University of Kentucky, Lexington, KY, USA, 2Spalding University, Louisville, KY, USA

Persistent Misconceptions of Graduate Nursing Students About Genome Basics
Jane Garvin1, Beverly Collins1, 1Augusta University, Augusta, GA, USA

Cancer Risk Management Program and Advanced Nurse in Genetics Streamline Comprehensive Surveillance for Patients Most at Risk
Denise Musser1, Kristin Niendorf2, Mary Ahrens1, Olivia Michel1, Sarah Mets1, Alyssa Kne1, Rob Madoff1, 1University of Minnesota, Minneapolis, MN, USA

The Influence of Test Predictive Value and Disease Treatability on Israeli Arabs Intention to Undergo Predictive Genetic Testing and Share Test Results with their Family
Sivia Barnoy1, Effaf Athamna1, 1Tel-Aviv University, Tel-Aviv, Israel

Polymorphism-G308a Gene Tnf-A And Sleep Disturbance In Open Populations Men 25-64 Years Of Siberia: Who Program Monica-Psychosocial
Valery Gafarov1, Elena Gromova1, Igor Gagulin1, Dmitriy Panov1, Almira Gafarova1, 1FSBI Institute of Internal and Preventive Medicine, Novosibirsk, Russia

The Expression-Regulation Model: A Middle-Range Theory
Eric Barbato1, Rebecca Darrah1, 1Case Western Reserve University, Cleveland, OH, USA

Integrating Genetics and Genomics into the Doctor of Nursing Practice Curriculum
Delwin Jacoby1, 1Spalding University, Louisville, KY, USA

HAMP Gene Polymorphism and Patient Outcomes Following Aneurysmal Subarachnoid Hemorrhage
Lacey Wright Heinsberg1, Dianxu Ren1, Elizabeth Crago1, Paula Sherwood1, Samuel Poloyac1, Yvette Conley1, 1University of Pittsburgh School of Nursing, Pittsburgh, PA, USA, 2University of Pittsburgh School of Pharmacy, Pittsburgh, PA, USA

Development Of A Support Program To Assist Hereditary Cancer Patients’ Communication About Genetic Risk Information To Family Members
Miho Kakuta1, Keiko Tsuji2, Reiko Yokomakura2, Mitsue Simizu2, Yukiko Osanai3, Kazumi Takahashi4, Michiko Mizoguchi4, Wynichiro Izumi3, Kiwamu Akagi1, 1Saitama Cancer Center, Division of Molecular Diagnosis and Cancer Prevention, Kitada-gun, Saitama, Japan, 2Keio University, Faculty of Nursing and Medical Care, Fujisawa City, Kanagawa, Japan, 3Aichi Kiwami College of Nursing, Ichinomiya City, Aichi, Japan, 4Tokai University, School of Medicine Department of Obstetrics and Gynecology, Ichinomiya City, Kanagawa, Japan

Decision-Making Regarding Prenatal Genetic Screening Among Pregnant Korean-American Women
Myunghee Jun1, Vipavee Thongpriwan2, Jeeyae Choi1, Kyung Sook Choi2, Gwen Anderson3, 1UW-Green Bay, Green Bay, WI, USA, 2UW-Milwaukee, Milwaukee, WI, USA, 3University of North Carolina Wilmington, Wilmington, NC, USA, 4Chung-Ang University, Seoul, Republic of Korea, 5Chaminade University of Honolulu, Honolulu, HI, USA

Results of the NGS Analysis in Patients With Suspected Hereditary Colorectal Cancer Due to Family History
Erika Santos1, Carolina Sá1, Bernardo Garcia-Soares1, Edite Oliveira1, Maria Del Pilar Díaz1, Renata Coudry1, Benedito Rossi1, 1Hospital Sirio-Libanes, Sao Paulo, Brazil

National Survey: Genetic Knowledge Of Danish Nurses – Needs And Reality
Kari Konstantin Nissen1, Karin Christiansen2, Thomas Raundahl Mikkelsen3, 1VIA University College, Aarhus School of Nursing, Aarhus, Denmark, 2VIA University College, Holstebro School of Nursing, Holstebro, Denmark, 3VIA University College, Department of Health, Aarhus, Denmark

Racial and Genetic Barriers to Pain Management
Mallory Perry1, Angela Starkweather1, 1University of Connecticut, Storrs, CT, USA

Patient Perceptions and Behavior Changes Associated with Nurse Led Education and Discussion Related to a Reported Family History of Substance Abuse
Elizabeth Pestka1, 1Mayo Clinic, Rochester, MN, USA
Identification of DNA Methylation Markers Of Preterm Birth Risk Using Banked Whole Blood Specimens: Methodological Insights
Shannon Gillespie¹, Joyce Ohm², Cindy Anderson¹, ¹The Ohio State University, Columbus, OH, USA, ²Roswell Park Cancer Institute, Buffalo, NY, USA

Peer Navigation Benefits People Affected By Hereditary Cancers
Lisa Schlager¹, Lisa Rezende¹, Sue Friedman¹, Sandra Cohen¹, Diane Rose¹, ¹FORCE: Facing Our Risk of Cancer Empowered, Tampa, FL, USA

An Innovative Interdisciplinary Doctoral Program for Nurses Focusing on Genetics and Genomics
Mary Beth Steck¹, Julia Eggert¹, ¹Clemson University, Clemson, SC, USA

The National Xeroderma Pigmentosum Service
Sally Turner¹, Tanya Henshaw¹, ¹Guys’ and St Thomas’ NHS Foundation Trust, London, UK

Genetic and Viral Infection Risk Factors for Age-Related Macular Degeneration
Frances Peterson-Burch¹, Michael Gorin², Daniel Weeks¹, Yvette P. Conley¹, ¹University of Pittsburgh, Pittsburgh, PA, USA, ²University of California, Los Angeles, CA, USA

Development Of A Support Program To Determine In Consultation With Nurses Whether Cancer Patients Should Undergo Genetic Testing Or Not
Miho Kakuta¹, Keiko Tsuji¹, Reiko Yokomakura¹, Mitsue Simizu¹, Yukiko Osanai¹, Kazumi Takahashi¹, Michiko Mizoguchi¹, Syunichiro Izumi¹, Kiwamu Akagi¹, ¹Saitama Cancer Center, Division of Molecular Diagnosis and Cancer Prevention, Kitaadachi-gun, Saitama, Japan, ²Keio University, Faculty of Nursing and Medical Care, Fujisawa City, Kanagawa, Japan, ³Aichi Kiwami College of Nursing, Ichinomiya City, Aichi, Japan, ⁴Tokai University, School of Medicine Department of Obstetrics and Gynecology, Ichinomiya City, Kanagawa, Japan, ⁵Saitama Cancer Center, Department of Nursing, Kitaadachi-gun, Saitama, Japan

Reducing Breast Cancer By Accurately Assessing Risk: Findings of a Community Hospital High Risk Breast Cancer Clinic
Karen Herold¹, Ahlam Jadalla¹, Allyson Brooks¹, ¹Hoag Memorial Hospital Presbyterian, Newport Beach, CA, USA

Hereditary Cancer Knowledge of Honduran Healthcare Providers
Sylvia S. Estrada¹, ¹Cedars-Sinai Medical Center, Los Angeles, CA, USA

Exploring A Biobehavioral Self-Management Intervention On Epigenetic Alterations In Adults With Acute Myeloid Leukemia: A Pilot Study
Tara Albrecht¹, Mikhail Dozmorov¹, Danielle Shafer¹, Theresa Swift-Scanlan¹, Adam Sima¹, Angela Starkweather¹, ¹Virginia Commonwealth University, Richmond, VA, USA, ²University of Connecticut, Storrs, CT, USA

Challenges To Precision Nursing And Whole Exome Sequencing
Katherine Burbank¹, ¹Mayo Clinic, Rochester, MN, USA

Genetics Education for Health Professionals: Lessons Learned from the American Society of Human Genetics Experience
Karen Hanson¹, Joseph D. McNerney¹, Michael Dougherty¹, ¹American Society of Human Genetics, Bethesda, MD, USA

Associations Between Ancestry-informative Markers and Fatigue Self-Management For People Living With HIV/AIDS
Michelle Odlum¹, Kathleen Hickey³, Mary Bryne¹, Niurka Suero-Tejeda³, Suzanne Bakken¹, ¹Columbia University, New York, NY, USA

Acculturation of Mexican Immigrants and the Prevalence of NAFLD: A Review
Claudia Rivera-Salas¹, Lori Houghton-Rahrig¹, ¹Grand Valley State University, Grand Rapids, MI, USA

Connecting The Dots 2 - GeneSteam: Developing An Educational Module To Improve Nurses Knowledge Of Oncogenomics
Stacy Hines-Dowell¹, Belinda Mandrell¹, Annastasia Ouma¹, Leslie Taylor¹, Jami Gattuso¹, Lynn Harrison¹, Kayla Hamilton¹, Emily Quinn¹, Rose McGee¹, Regina Nuccio¹, Kim Nichols¹, ¹St. Jude Children’s Research Hospital, Memphis, TN, USA

Is There A Relationship Between The PNPLA3 (Rs738409)-G Allele And Comorbid Conditions Of NAFLD?
Lori Houghton-Rahrig¹, ¹Grand Valley State University, Grand Rapids, MI, USA

Pre-systemic Treatment Pain Severity And Variant in CYP19A1 rs700519 Genotype Contribute to Worse Pain Severity During Aromatase Inhibitor Treatment For Breast Cancer
Yehui Zhu¹, Yvette Conley¹, Theresa Koleck², John Merriman¹, Susan Sereika¹, Catherine Bender¹, ¹University of Pittsburgh School of Nursing, Pittsburgh, PA, USA, ²Columbia University School of Nursing, New York, NY, USA
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 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
Elizabeth L. Pestka, MS, PMHCNS-BC, AGN-BC
Mayo Clinic
Rochester, Minnesota

Past-President
Sandra Daack-Hirsch, PhD, RN
University of Iowa
Iowa City, Iowa USA

President-Elect
Mindy Tinkle, PhD, RN, WHNP-BC, FAAN
University of New Mexico
Albuquerque, New Mexico USA

Treasurer
Rebecca Kronk, PhD, MSN, CRNP
Duquesne University School of Nursing
Pittsburgh, Pennsylvania USA

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

Board Members at Large
Gia Mudd-Martin, PhD, MPH, RN
University of Kentucky
Lexington, Kentucky USA

Sivia Barnoy, RN, PhD
Tel-Aviv University
Tel Aviv, Israel

Student Representative
Lacey Wright Heinsberg, BSN, BS, RN
Pittsburgh, Pennsylvania

Executive Director
Beth A. Kassalen, MBA
ISONG
Pittsburgh, Pennsylvania USA

ISONG Administration
Linda R. Mason
Debbie Zaparoni
ISONG
461 Cochran Road, Box 246
Pittsburgh, Pennsylvania 15228 USA
+1 412-344-1414