Danish University Colleges

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

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

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2017

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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
Congress Co-chair

Deborah Tamura
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.)

**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.

**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

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
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 through 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.

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<tr>
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<th>Before September 5</th>
<th>After September 5</th>
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<tr>
<td>ISONG active dues member</td>
<td>$495.00</td>
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<td>Podium / Abstract Presenter</td>
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*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

**Abstract Sessions**

<table>
<thead>
<tr>
<th>9:45AM – 10:45AM</th>
<th>Clinical Practice</th>
<th>Research</th>
<th>Research</th>
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<tbody>
<tr>
<td><strong>Family Health History In Primary Care: A Critical Analysis Of Available Tools</strong>&lt;br&gt;Karen J Whit1, Ann Maradiegue2, Gaye Ray1, Lauren Bretzing1, 1George Washington University, Washington, DC, USA, 2James Madison University, Harrisonburg, VA, USA, 3Brigham Young University, Provo, UT, USA</td>
<td><strong>Suffering In The Midst Of Technology: Routine Prenatal Ultrasound Screening to Turbulent Congenital, Chromosome or Genetic Disorder Results</strong>&lt;br&gt;Jeanne Gottlieb1, 1University of Southern Maine, Portland, ME, USA</td>
<td><strong>A Novel Hypomethylator Phenotype Unique to Basal-like Breast Cancer: Implications for Epigenetically Based Interventions</strong>&lt;br&gt;Theresa Swift-Scanlan1, Mikhail Dozmorov1, 1Virginia Commonwealth University, Richmond VA, USA</td>
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<td>9:45AM – 10:00AM</td>
<td><strong>Family Health History In Primary Care: A Critical Analysis Of Available Tools</strong>&lt;br&gt;Karen J Whit1, Ann Maradiegue2, Gaye Ray1, Lauren Bretzing1, 1George Washington University, Washington, DC, USA, 2James Madison University, Harrisonburg, VA, USA, 3Brigham Young University, Provo, UT, USA</td>
<td><strong>Antibiotic Exposure During Pregnancy Effects Offspring Microbial Colonization: Bad Bugs Bloom</strong>&lt;br&gt;Stephanie Prescott1, Ernesto Perez-Chanona2, Wendy Henderson1, Giorgio Trinchieri3, 1National Institute of Nursing Research, Bethesda, MD, USA, 2National Cancer Institute, Cancer and Inflammation Program, Bethesda, MD, USA, 3University of Virginia, Charlottesville, Virginia, USA, 4Fairfax Neonatal Associates, Falls Church, VA, USA</td>
<td><strong>Genetic Characterization of Families from a Hereditary Cancer Registry in Brazil</strong>&lt;br&gt;Erika Santos1, Caroline Sá1, Bernardo Garicochea1, Maria Del Pilar Díz2, Renata Coudry3, Edite Oliveira1, Benedito Rossi1, 1Hospital Sirio-Libanes, Sao Paulo, Brazil</td>
</tr>
<tr>
<td><strong>Standards of Practice: Living in the Real World</strong>&lt;br&gt;Alice Kerber1, Nancy Ledbetter2, Suzanne Mahon1, 2Georgia Center for Oncology Research and Education, Atlanta, Georgia, USA, 2Portland Wellness Center, Portland, Oregon, USA, 3Saint Louis University, St. Louis, MO, USA</td>
<td><strong>Breast Milk Microbiota Profiles Among Mothers With Preterm Infants: A Review of the Literature</strong>&lt;br&gt;Kelley Baumgartel1, Michael Morowitz2, 1University of Pittsburgh, School of Nursing, Pittsburgh, PA, USA, 2University of Pittsburgh, School of Medicine, Pittsburgh, PA, USA</td>
<td><strong>A Model Of The Childhood Lymphoma Implicates Important Prognostic Genes In Cancer Survival</strong>&lt;br&gt;Rieko Sotojima1, Joelle Fenger2, William Kisseberth2, Jennie Rowell2, 1The Ohio State University College of Nursing, Columbus, OH, USA, 2The Ohio State University College of Veterinary Medicine, Columbus, OH, USA, 3The Ohio State University Comprehensive Cancer Center, Columbus, OH, USA</td>
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<td><strong>A Toolbox Approach to Guide Ethical Decision-Making in Genetics and Genomic Nursing</strong>&lt;br&gt;Mary Beth Steck1, 1Clemson University, Clemson, SC, USA</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>&lt;br&gt;Delwin Jacobs4, Angela Crutcher5, 1Spalding University, Louisville, KY, USA, 2University of Kentucky, Lexington, KY, USA</td>
<td><strong>Development Of An Interactive Pharmacogenomic Education Module: Comparison Of Oncology Nurses’ Knowledge And Attitudes Within Teaching And Community Hospitals.</strong>&lt;br&gt;Crissy Dodson1, 1University of North Carolina at Wilmington, Wilmington, NC, USA</td>
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<td><strong>An Initiative to Mentor Nurses</strong>&lt;br&gt;Susan Montgomery1, Tammy McKamee1, 1Fox Chase Cancer Center, Philadelphia, PA, USA, 2W. Temple Webber Cancer Center, Texarkana, TX, USA</td>
<td><strong>Development Of An Interactive Pharmacogenomic Education Module: Comparison Of Oncology Nurses’ Knowledge And Attitudes Within Teaching And Community Hospitals.</strong>&lt;br&gt;Crissy Dodson1, 1University of North Carolina at Wilmington, Wilmington, NC, USA</td>
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10:45AM – 11:15AM **Refreshment Break/ Visit Exhibits, Posters and Raffle**

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**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.
### Friday, November 3, 2017 (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Clinical Practice</th>
<th>Research</th>
<th>Education</th>
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<tr>
<td>11:15AM – 12:15PM</td>
<td><strong>Abstract Sessions</strong></td>
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<tr>
<td>11:15AM – 11:30AM</td>
<td><strong>Clinical Utility Of Rapid Genomic Sequencing In The Neonatal And Pediatric Intensive Care Units: What Nurses Need To Know</strong>&lt;br&gt;Julie Cakici¹, Stephen Kingsmore¹, David Dimmock², Sara Caylor³, Rady Children's Institute for Genomic Medicine, San Diego, CA, USA</td>
<td><strong>A Novel Approach to Genotype-phenotype Profiling for Ryanodine Receptor 1-related Myopathies</strong>&lt;br&gt;Katherine Meilleur¹, Monique Shelton¹, Jessica Witherspoon¹, Carolyn Allen¹, M. Sonia Razayqv¹, Michaela Cortes¹, Irene Chrismer¹, National Institute of Nursing Research, Bethesda, MD, USA</td>
<td><strong>A Review of the Literature on the Relationships Between Genetic Polymorphisms and Chemotherapy-Induced Nausea and Vomiting</strong>&lt;br&gt;Komal Singh¹, Elena Flowers¹, Kord Kober¹, Anand Dhruva¹, Christine Miaskowski¹, University of California San Francisco, San Francisco, CA, USA</td>
</tr>
<tr>
<td>11:30AM – 11:45AM</td>
<td><strong>Educational Needs of Nurses to Provide Genetic Services in Prenatal Care: A Cross Sectional Study from Turkey</strong>&lt;br&gt;Memnun Seven¹, Kafiye Eroglu¹, Aygün Akyüz², Charlotte Ingvoldstad², Koç University, Istanbul, Turkey, Karolinska Institute, Stockholm, Sweden</td>
<td><strong>Factors Associated With Family Communication About Genetic Risk for Inherited Cardiac Conditions</strong>&lt;br&gt;Lisa Shah¹, University of Iowa, Iowa City, IA, USA</td>
<td><strong>Incidence and Perception of Nursing Students’ Academic Incivility in Oman</strong>&lt;br&gt;Jansirani Natarajan¹, Jacoba Vandercolff¹, Sultan Qaboos University, Muscat, Oman</td>
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<tr>
<td>11:45AM – 12:00PM</td>
<td><strong>Utilization of and Women Educational Needs for Prenatal Screening Tests: A Turkish Study</strong>&lt;br&gt;Memnun Seven¹, Aygün Akyüz¹, Kafiye Eroglu¹, Sandra Daack-Hirsch², Heather Skirton³, Koç University, Istanbul, Turkey, The University of Iowa College of Nursing, Iowa, USA, Plymouth University, Plymouth, UK</td>
<td><strong>The Importance of Coronary Heart Disease Family History for Triage Evaluation of Patients With ST Elevation Myocardial Infarction in the Emergency Department</strong>&lt;br&gt;Efrat Dagan¹, Mor Saban¹, Rabia Salame², Aziz Darawsha³, University of Haifa, Haifa, Israel, Rambam Health Care Campus, Haifa, Israel</td>
<td><strong>Assessment Of Genomic Knowledge Among Nurses In An Online RN To BSN Completion Program</strong>&lt;br&gt;Lisa Aiello¹, Drexel University, Philadelphia, PA, USA, Villanova University, Villanova, PA, USA</td>
</tr>
<tr>
<td>12:00PM – 1:45PM</td>
<td><strong>Genetic Variation And Drug Phenotype Data For 3372 Newborns That Completed Pharmacogenetic Testing</strong>&lt;br&gt;Grace N Lawrence¹, Julie A Muskett¹, Allison G Mitchell¹, Grace Jo¹, Kathleen Brown¹, Ramaswamy Iyer¹, Inova, Falls Church, VA, USA</td>
<td><strong>Assessment Of Genomic Knowledge Among Nurses In An Online RN To BSN Completion Program</strong></td>
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<tr>
<td>12:15PM – 1:45PM</td>
<td><strong>Lunch / Networking and ISONG Committee Meetings</strong>&lt;br&gt;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!</td>
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<td>1:45PM – 2:30PM</td>
<td><strong>Keynote Presentation - The Ethics in Research</strong>&lt;br&gt;David S. Wendler, MA, PhD&lt;br&gt;Head, Section on Research Ethics&lt;br&gt;Department of Bioethics&lt;br&gt;Clinical Center&lt;br&gt;National Institutes of Health&lt;br&gt;Bethesda, Maryland USA</td>
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Friday, November 3, 2017 (continued)

2:30PM – 3:00PM  Refreshment Break / Visit Exhibits, Posters and Raffle

3:00PM – 4:00PM  Invited Speakers

| 3:00PM – 3:30PM | Global Genetics Nursing Alliance – Creating a Roadmap  
Kathleen Calzone, PhD, RN, APNG, FAAN  
Research Geneticist  
National Cancer Institute  
Bethesda, Maryland USA  
Maggie Kirk, PhD, BSc Hons, DipN, RGN, FRCN, SFHEA  
Professor of Genetics Education  
University of South Wales  
Glyntaff, Wales, UK |
|-----------------|-------------------------------------------------|
| 3:00PM – 4:00PM | Genetic Testing for Hereditary Cancer Syndromes: A Foreign Language or The Way of the Future?  
Tammy McKamie, RN, MSN, OCN, GCN  
Genetic Clinical Nurse/Educator  
Christus St. Michael Cancer Treatment Center  
Texarkana, Texas USA  
Genetic Testing for Hereditary Cancer Syndromes: A Foreign Language or The Way of the Future?  
Tammy McKamie, RN, MSN, OCN, GCN  
Genetic Clinical Nurse/Educator  
Christus St. Michael Cancer Treatment Center  
Texarkana, Texas USA |
| 3:30PM – 4:00PM | Promising Strategies for Genomic Nursing Education  
Linda D Ward, PhD, ARNP  
Assistant Professor  
College of Nursing  
Washington State University  
Spokane, Washington USA |
| 3:30PM – 4:00PM | Epigenomic Biomarkers in Preeclampsia  
Cindy Anderson, PhD, CRNP, WHNP-BC, FNAP, FAHA, FAAN  
Associate Dean for Academic Affairs and Educational Innovation  
College of Nursing  
The Ohio State University  
Columbus, Ohio USA |

4:00PM – 5:00PM  Poster Blitz Oral Presentations

4:45PM – 5:45PM  Poster Reception

5:45PM – 6:30PM  Fireside Chat

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:45AM – 5:00PM</td>
<td>Congress Registration</td>
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<tr>
<td>7:45AM – 8:45AM</td>
<td>Coffee, Tea / Visit Exhibits, Posters and Raffle</td>
</tr>
<tr>
<td>8:45AM – 9:00AM</td>
<td>Announcements</td>
</tr>
</tbody>
</table>
| 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 |
<p>| 10:30AM – 11:00AM | Refreshment Break / Visit Exhibits, Posters and Raffle       |</p>
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<tr>
<th>Time</th>
<th>Abstract Session</th>
<th>Clinical Practice</th>
<th>Education</th>
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<tr>
<td>11:00AM – 12:00PM</td>
<td><strong>Abstract Sessions</strong></td>
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</table>
| 11:00AM – 11:15AM | Next-Generation Sequencing: Implications Surrounding Usefulness for Newborn Screening  
Satishkumar Ranganathan Ganakammal1,  
'Clemson University, Clemson, SC, USA' | Testing Safety and Efficacy: The Randomized Controlled Exploratory Study of Exercise Training in Hypertrophic Cardiomyopathy (RESET-HCM)  
Heidi Salisbury1, Euan Ashley2, Sharlene Day2, Sara Saberi2, Adam Helms2,  
John Meyers3, John Herrera3, Suwen Kumar3, Yael Schmargad4, Annika Dries4,  
Matthew Wheeler4, Maryann Concannon4, Anil Atlili5, Prachi Agarwal5,  
Whitney Hornsby5, Jennifer Bragg-Gresham5,  
'Sanford Health Care, Palo Alto, CA, USA,  
'University of Michigan, Ann Arbor, MI, USA' | Revision Of The Genomic Nursing Concept Inventory  
Linda D. Ward1,  
'Washington State University, Spokane, WA, USA' |
| 11:15AM – 11:30AM | Genetic Counselling Outcome Scale (GCOS-24): Cultural Adaptation And Validation For Use In Measuring Patient-Reported Outcomes From Genetic Counselling In Brazil  
Milena Flória-Santos1, Marion McAllister2, Mayara Segundo Ribeiro2,  
Bruna Tavares Bacalá3, Ana Paula Torres4,  
Alan Assunção4, Jennifer Thalita Targino dos Santos4,  
'University of São Paulo at Ribeirão Preto College of Nursing,  
Ribeirão Preto, São Paulo, Brazil,  
'Cardiff University School of Medicine, Cardiff,  
Wales, UK' | Learning From Patients With Rare Diseases: Clinical Challenges Faced By Two Patients With Different Forms Of Methylmalonic Acidemia (MMA)  
Carol Van Ryzin1, Susan Ferry1,  
'NIH/NHGRI, Bethesda, MD, USA' | Precision Nursing Thru Undergraduate Education For Nurses In The Future  
Anecita Gigi Lim1,  
'University of Auckland, Auckland, New Zealand' |
| 11:30AM – 11:45AM | A Transition Program for Adolescents with Down Syndrome: Three Year Review  
Joanna Spahis1, Debbie Clark1,  
'Children's Health Dallas, Dallas, TX, USA' | Pharmacogenetics: A Valuable Resource For Patients Participating In Care Coordination With Depression  
Julie Kittelsrud1, Lisa Weisser1, Neil Matthiesen1, Trisha Lauterbach1, Melissa Black1,  
Noah Kallsen1, Sandy Crisp1,  
David Basal1, Krista Bohlen1,  
'Avera Institute for Human Genetics, Sioux Falls, USA,  
'University of South Dakota, Sanford School of Medicine, Department of Psychiatry, Sioux Falls, SD, USA,  
'Avera Health, Care Coordination program, Sioux Falls, SD, USA' | Measuring Genomic Literacy Among Lebanese Nurses  
Kathi C. Huddleston1, Linda D. Ward2,  
Maya Nizam3, Iman Kouatly3, Alik Sarian3, Lina Kurdahi Badr3,  
'Inova Translational Medicine Institute, Falls Church, VA, USA,  
'Washington State University, Spokane, WA, USA,  
'American University of Beirut Medical Center, Beirut, Lebanon' |
| 11:45AM – 12:00PM | Outcomes of Newborn Screening for Lysosomal Storage Disorders in Illinois  
Erika Vucko1, Lauren Hitchins1,  
'Ann & Robert H. Lurie Children's Hospital, Chicago, IL, USA' | Evaluating the Practicality of Clinic-Wide Utilization of a Psychotropic Assay  
Katie Halbmaier1, Virginia Conley1,  
'University of Iowa College of Nursing, Iowa City, Iowa, USA,  
'Eyerly Ball, Des Moines, IA, USA' | Innovative Online Teaching Strategies for Graduate Students  
Leighsa Sharoff1,  
'Hunter College, New York, NY, USA' |

**12:00PM – 2:00PM**

**Lunch/Awards Presentations/Business Meeting**

Enjoy lunch and networking while honoring ISONG 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 ISONG for the coming year - please join us!
# 2:00PM – 3:15PM  Abstract Sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Research</th>
<th>Research</th>
<th>Education</th>
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<tbody>
<tr>
<td>2:00PM – 2:15PM</td>
<td><strong>ICU Delirium And Changes In IL6ST Methylation.</strong></td>
<td><strong>Differences in the Stool and Skin Microbiome and in Antimicrobial Resistance Genes in a Private Room Versus Open-bay Neonatal Intensive Care Unit</strong></td>
<td><strong>Measuring Meaningful Learning Through Longitudinal Tracking Of Genomic Knowledge</strong></td>
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<td></td>
<td>Sheila Alexander¹, Bryan McVerry², Scott Gunn³, Yvette Conley¹, Dianxu Ren¹</td>
<td>Kathi Huddleston¹, Elisabeth Klein¹, Varsha Deopujari¹, Suchitra Hourigan², Inova Translational Medicine Institute, Falls Church, VA, USA, Pediatric Specialists of Virginia, Fairfax, VA, USA</td>
<td>Linda D. Ward¹, Lynn Jinishian¹, Washington State University, Spokane, WA, USA</td>
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<td>'University of Pittsburgh, Pittsburgh, PA, USA</td>
<td>'Ohio State University, Columbus, OH, USA</td>
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<tr>
<td>2:00PM – 2:15PM</td>
<td><strong>DNA Methylation Hints at Biological Mechanisms in the Critically Ill Patient: A Pilot Study</strong></td>
<td><strong>Understanding Parental Refusal To Enroll Their Children In A Genomic Sequencing Research Study</strong></td>
<td>Up to Date: Ankyloglossia and Maxillary Lip-ties</td>
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<td>Jennie Rowell¹, Judy Tate¹, Michele Balas¹, Matthew Exline¹, Linda Chlan¹, Pearly Yan¹, Jackson Killian¹, Mary Beth Happ¹, Chi Song¹, Guy Brock¹, Ralf Bundschuh¹</td>
<td>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, St. Jude Childrens Research Hospital, Memphis TN, USA</td>
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<td>'The Ohio State University, Columbus, OH, USA</td>
<td>'Ohio State University, Columbus, OH, USA</td>
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<td>2:15PM – 2:30PM</td>
<td><strong>DNA Methylation Associated with Early Neurodevelopment in Preterm Infants</strong></td>
<td><strong>Factors Affecting Recruitment And Consent To Biological Specimen Banking In An Observational Cohort Study Of Pregnant Women</strong></td>
<td><strong>Gene Expression Patterns and Measurement of Gene Expression Changes</strong></td>
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<td>Rita Pickler², Cindy Anderson², Maciej Pietrzak², Joyce Ohm¹, Roswell Park Cancer Institute, Rochester, NY, USA, The Ohio State University, Columbus, OH, USA</td>
<td>Shannon Gillespie¹, Cindy Anderson¹, 'The Ohio State University, Columbus, OH, USA</td>
<td>Komal Singh¹, Christine Miaskowski¹, Elena Flowers¹, Anand Dhruva¹, Kord Kober¹, University of California San Francisco, San Francisco, CA, USA</td>
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<td>2:15PM – 2:30PM</td>
<td><strong>Blood-Based DNA Methylation Levels Of Endoglin Pathway Candidate Genes: Do They Differ In Women With And Without Clinically-Overt Preeclampsia?</strong></td>
<td><strong>Relationship Between Psychosocial Distress In Pregnancy And Two Genes Associated With Human Social Interaction</strong></td>
<td>Keeping Pace With Genetics: An Educational Program on Prenatal Cell-free DNA Screening for Obstetricians. Karen Hanson¹, Joseph D. McInerney¹, Michael Dougherty¹, American Society of Human Genetics, Bethesda, MD, USA</td>
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<td>Allison Rietze¹, Yvette Conley¹, Carl Hubel¹, Arun Jeyabalane¹, James Roberts¹, Mandy Schmella¹, University of Pittsburgh, Pittsburgh, PA, USA, Magee-Womens Research Institute and Foundation, Pittsburgh, PA, USA</td>
<td>Sarah Dewell¹, Donna Slater¹, Karen Benziés¹, Sheila McDonald¹, Suzanne Tougé¹, University of Calgary, Calgary, AB, Canada</td>
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<td>2:30PM – 2:45PM</td>
<td><strong>Dietary Status and DNA Methylation in Endothelial Dysfunction: A Pilot Study</strong></td>
<td><strong>The Gut Microbiome in Necrotizing Enterocolitis: A Case Study of Twins</strong></td>
<td><strong>Pairing Pedagogical and Genomic Advances to Prepare APNs for the Era of Precision Health</strong></td>
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<td>Cindy Anderson¹, Shannon Gillespie¹, Danielle Perley¹, Joyce Ohm¹, The Ohio State University, Columbus, OH, USA, University of North Dakota, Grand Forks, ND, USA, Roswell Park Cancer Institute, Buffalo, NY, USA</td>
<td>Elisabeth Klein¹, Kathi Huddleston¹, Varsha Deopujari¹, Suchitra Hourigan², Inova Translational Medicine Institute, Falls Church, VA, USA, Pediatric Specialists of Virginia, Fairfax, VA, USA</td>
<td>Elena Flowers¹, Hamza Abid¹, Sasha Binford¹, Meg Martin¹, Lynda Mackin¹, University of California, San Francisco, CA, USA</td>
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### Saturday, November 4, 2017 (continued)

#### 3:45PM – 5:00PM  Abstract Sessions

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<td>3:45PM – 5:00PM</td>
<td>Research</td>
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<td><strong>Research</strong></td>
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<td>Moderate Blast Exposure Alters Peripheral Concentrations of Proteins Related to Neurodegeneration</td>
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<td>Nicole Osier¹, Jessica Gill¹, Katie Edwards¹, Kristine C. Dell¹, Walter Carr², Peter Walker³, Steven Altiers⁴, Matthew LoPresti⁵, Angela Yarnell⁶, National Institute of Health, National Institute of Nursing Research, Bethesda, MD, USA, ¹USARMY MEDCOM USAMRMC, Fort Detrick, MD, USA, ²Naval Medical Research Center, Silver Spring, MD, USA</td>
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<td>OMICS Nursing Science and Education Network (ONSEN)</td>
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<td>Kathleen Calzone¹, Ann Cashion¹, Lois Tully¹, Jean Jenkins¹, ³National Institutes of Health, National Cancer Institute, Bethesda, MD, USA, ¹National Institutes of Health, National Institute of Nursing Research, Bethesda, MD, USA, ²National Institutes of Health, National Human Genome Research Institute, Bethesda, MD, USA</td>
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<td>Genetic Risk Factors of the Transition from Acute to Chronic Pain</td>
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<td>Angela Starkweather⁴, Divya Ramesh¹, Mallory Perry¹, Thomas Julian¹, Katherine Bernier¹, Debra Lyon¹, Susan Dorsey³, Kyle Baumbauer¹, Erin Young¹, ¹University of Connecticut, Storrs, CT, USA, ²University of Maryland, Baltimore, MD, USA, ³University of Florida, Gainesville, FL, USA</td>
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<td>Neurobiological Mechanisms Of Chemobrain: A Feasibility Study Using An Animal Model</td>
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<td>Grace Lawrence⁴, Kyeung Mi Oh¹, Margaret Rodan¹, Theodore Dumas¹, Virginia Espina¹, ³George Mason University, Fairfax, VA, USA, ²INOVA, Falls Church, VA, USA</td>
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<td>Clinical Documentation Of Genetic Counseling-related Emotional Distress In Electronic Health Record Narratives</td>
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<td>Theresa Kolec¹, Suzanne Bakken¹, Kathleen Hickey¹, Nicholas Tatonetti¹, ²Columbia University, New York, NY, USA</td>
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<td>HLA-Matched Adult Sibling Donor Allogeneic Hematopoietic Stem Cell Transplantation (alloHSCT) Experience and Health-related Quality of Life in Sickle Cell Disease (SCD)</td>
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<td>Agatha Gallo¹, Derrick McCoy¹, Crystal Patil¹, Lewis Hsu¹, Molly McGown², ¹University of Illinois at Chicago, Chicago IL, USA, ²Northwestern University, Chicago, IL, USA</td>
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<td>Oxytocin Receptor (OXTR) and Vasopressin Receptor (AVPR1A) Genes as Candidate Genes for Apathy in Persons with Alzheimer Disease</td>
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<td>Emilie Goris¹, Jamie Johnson¹, Sarah Melby¹, Alexandra Vroom¹, Debra Schutte¹, ²Hope College, Holland, MI, USA, ²Wayne State University, Detroit, MI, USA</td>
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<td>Assessing Awareness and Integration of the Genetic Information Nondiscrimination Act of 2008 (GINA) Among Nurse Practitioner Faculty</td>
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<td>Mary Steck¹, ³Clemson University, Clemson, SC, USA</td>
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<td>Identifying Gene Variants Associated With The Poor Absorption Of A Key Anti-inflammatory Nutrient Betacarotene: Implications For Healthcare</td>
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<td>Bobbi Laing¹, Nishi Karunasinghe¹, Lynnette Ferguson¹, ¹University of Auckland, Auckland, New Zealand</td>
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<td>Altered Gene Expression Following Blast-Induced Traumatic Brain Injury in a Military Population</td>
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<td>Katie Edwards¹, Nicole Osier¹, Vida Motamedi¹, Jessica Gill¹, ³National Institute of Nursing Research, National Institutes of Health, Bethesda, MD, USA</td>
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<td>Diabetes Education Is Associated with Improved Sleep Quality and Changes in Gene Methylation</td>
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<td>Evelyn G. Bigini¹, Eileen R. Chasens¹, Yvette P. Conley¹, Christopher C. Imes¹, ²University of Pittsburgh School of Nursing, Pittsburgh, PA, USA</td>
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<td>Lysozyme Association With Extracellular Vesicles And Circulating RNA</td>
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<td>Sarah Abey¹, Yuana Yuana², Paule Joseph¹, Natnael Kene¹, Nicolaas Fourie¹, LeeAnne Sherwin¹, Gregory Gonye¹, Paul Smyser¹, Erin Stempski¹, Christina Boulineaux¹, Kristen Weaver¹, Christopher Bleck¹, Wendy Henderson¹, ³Digestive Disorders Unit, Division of Intramural Research, National Institutes of Health, Department of Health and Human Services, Bethesda, MD, USA, ²Image Sciences Institute, Division of Imaging, University Medical Centre, Utrecht, Netherlands, Germany, ³NanoString Technologies, Seattle, WA, USA, ⁴The Pennsylvania State University. College of Medicine, Hershey, PA, USA, ⁵Electron Microscopy Core Facility, National Heart Lung Blood Institute, National Institutes of Health, Department of Health and Human Services, Bethesda, MD, USA</td>
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<td>Family Communication About Familial Risk Of Stroke Promotes Perceived Risk In Adult Offspring of Stroke Patients</td>
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<td>Masakazu Nishigaki¹, Mana Kawaguchi¹, Maimi Fukumori¹, Miyako Minoda¹, Akiko Ota¹, ³Kyoto University, Kyoto, Japan, ²Brain Attack Center Ota Memorial Hospital, Fukuyama, Japan</td>
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<td>Developing A Pre-appointment Video To Prepare New Families For Genetics Clinic Visit</td>
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<td>Andrea Hartgraves¹, Tammy Fairbanks¹, ²Seattle Children's Hospital, Seattle, WA, USA</td>
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<td>A Complex Genetic Variant with Distinct Phenotype as a Model for Understanding Common-Complex Diseases</td>
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<td>Elizabeth McNamara¹, Jacob Bailey¹, Carlos Alvarez³, Jennie Rowell¹, ²The Ohio State University College of Nursing, Columbus, OH, USA, ³The Ohio State University College of Medicine, Columbus, OH, USA</td>
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#### 5:00PM – 5:30PM  Raffle Drawing in General Session Room
### Sunday, November 5, 2017

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<td>7:15AM – 12:00PM</td>
<td>Congress Registration</td>
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<td>7:15AM – 8:00AM</td>
<td>Coffee, Tea / Visit Exhibits</td>
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<tr>
<td>8:00AM – 8:30AM</td>
<td><strong>Incoming President Address</strong></td>
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<td><em>Mindy Tinkle, PhD, RN, WHNP-BC, FAAN</em></td>
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<tr>
<td></td>
<td>Associate Professor</td>
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<td>College of Nursing</td>
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<td>University of New Mexico</td>
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<td>Albuquerque, New Mexico USA</td>
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<td>8:30AM – 9:30AM</td>
<td><strong>International Panel</strong></td>
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<td>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.</td>
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<tr>
<td>9:30AM – 10:00AM</td>
<td><strong>Invited Speaker</strong></td>
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<td><strong>Personalized Nursing</strong></td>
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<td><em>Allison A. Vorderstrasse, DNSc, APRN, FAAN</em></td>
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<td>Associate Professor</td>
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<td>School of Nursing</td>
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<td>Duke University</td>
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<td>Durham, North Carolina USA</td>
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<td>10:00AM – 10:30AM</td>
<td>Refreshment Break/Visit Exhibits</td>
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<td>10:30AM – 11:00AM</td>
<td><strong>Invited Speaker</strong></td>
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<td><strong>Pharmacogenomics Update</strong></td>
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<td><em>Dennis Cheek, RN, PhD, FAHA</em></td>
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<tr>
<td></td>
<td>Professor</td>
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<td>Harris College of Nursing and Health Sciences</td>
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<td>Texas Christian University</td>
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<td>Fort Worth, Texas USA</td>
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<td>11:00AM – 12:00PM</td>
<td><strong>Closing Keynote Speaker – Developing EXPertise; The UK Journey</strong></td>
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<td><em>Sally Turner</em></td>
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<td>CNS in Xeroderma Pigmentosum, Children</td>
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<td>St. John’s Institute of Dermatology</td>
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<td>St. Thomas’ Hospital</td>
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<td>London, United Kingdom</td>
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**Congress Concludes**
Carpenter Syndrome - A Case Report of a Rare Autosomal Recressive 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 Niendorf1, 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 Yokomakura3, Mitsue Simizu2, Yukiko Osanai1, Kazumi Takahashi1, Michiko Mizoguchi1, Syunichiro Izumi1, Kiwamu Akagi1, 1Saitama Cancer Center, Division of Molecular Diagnosis and Cancer Prevention, Kitadachi-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, Isehara City, Kanagawa, Japan, 5Saitama Cancer Center, Department of Nursing, Kitadachi-gun, Saitama, Japan

Decision-Making Regarding Prenatal Genetic Screening Among Pregnant Korean-American Women
Myunghee Jun1, Vipavee Thongpriwan2, Jeeyae Choi1, Kyung Sook Choi1, Gwen Anderson1, 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 Garaicochea1, Edite Oliveira1, Maria Del Pilar Diz1, Renata Coudry1, Benedito Rossi1, 1Hospital Sirio-Libanês, Sao Paulo, Brazil

National Survey: Genetic Knowledge Of Danish Nurses – Needs And Reality
Kari Konstantin Nissen1, Karin Christiansen2, Thomas Raundahl Mikkelsen1, 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 Henshaw2, 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 Weeks3, Yvette P. Conley4, 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 Tsujii2, Reiko Yokomakura3, Mitsue Simizu4, Yukiko Osana5, Kazumi Takahashi6, Michiko Mizoguchi7, Syunichiro Izumi8, Kiwamu Akagi9, 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, Aichi, 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 Dozmorov2, Danielle Shafer3, 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. McInerney1, 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 Hickey2, Mary Bryne3, Niurka Suero-Tejeda3, Suzanne Bakken4, 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!

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