



2016 ISONG World Congress



Integrating Genetics Across Nursing Practice

**August 3 Welcome Reception*

August 4-6, 2016

Royal Marine Hotel, Dun Laoghaire

Dublin, Ireland



Invitation to the 2016 ISONG World Congress

Dia dhuit! (Hello!)

On behalf of the 2016 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 Dublin, Ireland while learning what is new in genetics and genomics and how they are integrated into nursing practice, research and education. We think you will find this year's program simply brilliant!

In keeping with the mission of ISONG to foster scientific discovery and professional growth in human genetics and genomics worldwide, the focus of the 2016 ISONG World Congress is *Integrating Genetics Across Nursing Practice*. Presentations by Keynote, Plenary, Invited Speakers and abstract presentations have been selected to meet the following program objectives:

- To articulate genetic and genomic knowledge and its translation into nursing practice, research, and education.
- To recognize bioethical issues surrounding genetics and its application in nursing practice, education and research.
- To apply the concepts gained through this conference to further integrate genetics and genomics 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 Dublin!

Go n-éirí an bóthar leat. (May your journey go well.) We look forward to seeing you in the land of the shamrocks!

Sincerely,

Kim

Kim Subasic, PhD, RN
Congress Co-Chair

Tina

Tina Mladenka, DNP, APRN, CNP, WHNP
Congress Co-Chair

Sue

Sue W. Wesmiller, PhD, RN
Congress Co-Chair



Congress Details

Welcome Reception

We would like to invite all ISONG Congress to the Welcome Reception on Wednesday evening, August 3rd, from 7-9PM. It is a great way to kick off our annual meeting and to connect with new and old friends. The reception will feature a traditional Irish Music and Dance performance at 8PM – please join us!

Abstract Sessions/Scientific Posters

The 2016 Abstract Sessions reflect a focus on the titles as listed and offer current and late breaking information in Genetics/ Genomics. Those that were accepted for podium presentations will be presented throughout the Congress. Abstracts that were accepted for poster presentations will have their posters displayed throughout the Congress and the poster authors will be available for discussion during the breaks as noted in the program.

Poster Blitz Session

Due to positive feedback, the “Poster Blitz” session will once again be featured in the program. This session provides select poster presenters with the opportunity to orally present their work to Congress attendees. Each presenter will be allotted a 3-5 minute time slot to give a brief overview of their work in addition to presenting at the traditional poster session.

ISONG Nursing Research Grant Awards

Fostering scientific research in genetics is an important part of ISONG’s mission. The support received from our sponsors will provide for ISONG Nursing Research Grant Awards (the number of grants available will be announced by July 1.) With the additional contributions from ISONG members who donated to the Nursing Research Donations Campaign to support their fellow members, these grants will be awarded at \$2,500 each. Visit www.isong.org for more information on our research grants program.

Past 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.

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. It is preferred that you carry the item with you to the Congress. Please direct any questions to ISONG Raffle Committee Co-chairs Sylvia Estrada at estradas@cshs.org or Memnun Seven at memnunseven@gmail.com.

Congress Hospitality

The ISONG Annual Congress is an ideal opportunity to learn, network, and to socialize with your colleagues from around the world. The 2016 ISONG Congress hospitality committee has planned creative ways to connect and join the attendees with activities both professionally and socially. The hospitality committee will be identified with shamrock pins at the Congress. Please see any of them if you need any help or if you would like to join in on the activities. Following are a few of the planned activities:

Social Board – a featured board to help you to connect with the other attendees and find a dinner group, plan a tour or to just meet for tea and shopping!

Collaboration Wall – specific boards organized to offer dialogue, professional connections and networking between attendees. Pre-printed cards with sample subjects will be available for you to complete offering a unique opportunity to introduce yourself and to connect with others at the Congress.

“Photo Booth” – an opportunity to take photos using fun props to capture memories with new and old friends.

Irish Dancing and Music Performance – join us at the Welcome Reception for the must see performance of a celebration of culture with Irish traditional music and dance.

International Panel

The International Panel has been arranged by ISONG members¹ leading an initiative to establish a Global Genomics Nursing Alliance (G2NA) to promote the integration of genomics across nursing practice by developing a roadmap for action. Panellists drawn from countries represented at ISONG will be invited to share thoughts on key areas for action to promote integration of genomics into ‘everyday’ nursing practices in their country.

Prior to the presentation, the Panellists will prepare posters setting out the context for genomics and nursing in their country, along with their top priorities. These will be displayed as a group from the start of Congress for attendees to review and reflect upon in advance of the interactive panel Q & A session. Voting handsets will be used to capture the spread of views amongst Congress attendees on priorities for action and to stimulate further debate. This is an ideal opportunity for ISONG members to contribute to the roadmap development.

¹Maggie Kirk, Laurie Badzek, Caroline Benjamin, Kathleen Calzone, Jean Jenkins, and Emma Tonkin, with Anna Middleton



2016 ISONG Congress Registration

Type	Registration	*23% Irish VAT	TOTAL
ISONG Member Early Registration (ends June 1).....	\$495.00 USD.....	\$113.85 USD.....	\$608.85 USD
Poster/Podium Presenter Early Registration (ends June 1)...	\$495.00 USD.....	\$113.85 USD.....	\$608.85 USD
Non-Member Early Registration (ends June 1).....	\$645.00 USD.....	\$148.35 USD.....	\$793.35 USD
ISONG Member Registration (after June 1).....	\$525.00 USD.....	\$120.75 USD.....	\$645.75 USD
Poster/Podium Presenter Registration (after June 1).....	\$525.00 USD.....	\$120.75 USD.....	\$645.75 USD
Non-Member Registration (after June 1).....	\$675.00 USD.....	\$155.25 USD.....	\$830.25 USD
Student Registration (Full-time Students with ID).....	\$395.00 USD.....	\$90.85 USD.....	\$485.85 USD

Non-members – Join ISONG for membership benefits and take advantage of the reduced Congress registration fees. [Click here to join.](#)

[Click here to register](#)

If paying by check – after you register online, mail the payment to: ISONG, 461 Cochran Road, Box 246, Pittsburgh, PA 15228 USA. Please include your name and contact information with the payment.

All cancellations must be received in writing to linda@isong.org. A \$50.00 USD administrative fee will be deducted from cancellations received up to 21 days in advance. After that time, no refunds can be made.

VAT (Value Added Tax)

*The invoice for your participation shall be issued by VMC, 14-30 rue de Mantes 92700 COLOMBES France, French VAT Number: FR75523098614; Irish VAT Number: IE9759094A.

You may be eligible for VAT recovery based on your country of origin. *Details for the VAT recovery application will be available closer to the dates of the Congress. **VAT recovery cannot be guaranteed.**

If you have any questions regarding your registration or the VAT Invoice, please call us at +1 412-344-1414 or contact us via email at: linda@isong.org.

Thank you for the promotional grant from:



Congress Venue



[Click here](#) for more information including the links for the transportation options and for the tours.

An icon of Dublin city – the Ha’penny Bridge features a pretty arched walkway, connecting north and south Dublin, and is a prime location to pause and drink in the runway of sights that frame the River Liffey. The elegant and historical bridge is beautifully illuminated at night.

Dun Laoghaire is a splendid historic harbour town featuring a magnificent waterfront experience surrounded by spectacular rolling hills. There are a great deal of sights and offerings from a walk in the gardens to dinner and shopping. Nearby attractions include the Cliff Walk from Bray to Greystones – home to many different types of seabirds and colourful wildflowers. This walk offers a stunning walk that winds along the side of Bray Head while enjoying the views of the East Coast.

Glendalough County Wicklow, a beautiful visitors destination known for its spectacular scenery, rich history, archaeology and abundant wildlife, is located 40km from Dun Laoghaire. This walk boasts outstanding views down the coast and on the Wicklow Mountains.

Dublin city is about seven miles/11km north of Dun Laoghaire. Dublin is a capital with rich character with key ingredients: a thousand-year history, rich in heritage, literature, theatre, live music, contemporary and traditional crafts. Experience the fair city on an open-top sightseeing bus tour with chatty guides who are full of interesting Dublin facts. The Hop-On/Off Dublin Bus Tour offers a 90-minute route with 23 stops close to all of the city’s top sights.

Dublin city has plenty of transport options, from buses and trams to city trains and Dublin bikes. The Leap Card offers convenient and cost effective travel options including the DART, the city tram, and also for the Dublin Bus.

Powerscourt is one of the world’s great gardens and is set against the backdrop of the Sugarloaf Mountain. The Powerscourt Shopping Centre is a unique Dublin shopping experience. Sitting in the heart of the city centre, this historic building once served as a courtyard in the 18th Century. Today, it’s packed with boutiques, restaurants and antiques.

The Medieval Quarter is the oldest part of the city, encompassing the area around Dublin Castle and St. Patrick’s Cathedral. Part of the original Dubh Linn settlement, this area became the hub of the Vikings in Dublin and remnants of this time in history are still visible. Dublin’s Antique Quarter is right next door offering some souvenirs from bygone days.

The Georgian quarter is a must with some of the most spectacular Georgian buildings you will ever see and with choices to dine as equally as grand. The world famous Temple Bar area of Dublin is also known as the Cultural Quarter. Teeming with restaurants, music venues, and hip boutiques, this is the most exciting part of this vibrant city with cobblestone streets and a unique atmosphere.

Take a day trip to the archaeological landscape within Brú na Bóinne, which is dominated by the three well-known large passage tombs built some 5,000 years ago in the Neolithic or Late Stone Age. The Brú na Bóinne tombs, in particular Knowth, contain the largest assemblage of megalithic art in Western Europe. It is located approximately 40 km north of Dublin city.

One of the biggest visitor attractions in all of Ireland is the Cliffs of Moher. Day tours include the opportunity to experience the nature, geology, history, culture and music of the region. You can walk around the incredible rocky “Burren” landscape near Galway Bay and those who are more adventurous can climb up into the limestone hillsides for the best photos of Galway Bay, Aran Islands and Connemara. Stop for a leisurely lunch to explore Doolin Village, a typical small Irish town. Other highlights of this guided day trip from Dublin include coastal drives and super views of the Atlantic Ocean alongside castles and monastery ruins, offering an insight into Ireland’s Celtic, Christian and Medieval past. Stops include the Fishing Village of Kinvara, the ruins of Corcomroe Abbey and Bunratty Castle.

Hotel Information

Host Hotel

Royal Marine Hotel,
Marine Road, Dun Laoghaire
Dublin, Ireland
Tel. +353 1 2300030



The Royal Marine Hotel is a 4 star hotel located in the heart of the coastal town of Dun Laoghaire with magnificent views overlooking Dublin Bay. The hotel is situated in a unique location, within easy reach of Dublin City Centre. A short stroll through the hotel's mature garden will bring you for a relaxing walk along Dun Laoghaire Promenade and Pier.

- Historical luxury hotel.
- Relax, Revive & Retreat in the sansanaSPA at the hotel.
- Check-in 3PM/ Check-out Noon.
- Complimentary parking.
- 20 minutes by DART train line to Dublin City Centre.
- 15 minutes drive by car to Dublin City Centre.

ISONG Group Room Rates and Reservations

The ISONG Congress discounted group room rates include breakfast at the hotel and the VAT.

154 Euro Single (*\$165.84USD)

169 Euro Double or Double/Double (*\$182.00USD)

All reservations must be received by June 29, 2016

to receive the special group room rate. Room rate and availability **cannot be guaranteed after this date.**

Reservations: Send an email to the Royal Marine Hotel at: reservation@royalmarine.ie - please include your arrival/ departure dates, your contact information and mention ISONG for the special group rate. Please do not consider the reservation complete until you have received a confirmation from the hotel with a reservation number.

Overflow Hotel

The Haddington Dublin
9-12 Haddington Terrace, Dun Laoghaire
Co. Dublin, Ireland
Phone: +353 1 280 1810

The Haddington Hotel is approximately a 10 minute walk to/from the Royal Marine Hotel. Overlooking Dublin Bay, The Haddington Hotel is located in Dun Laoghaire's town centre, just off the main street.

- Elegant boutique style hotel with incredible views over Dun Laoghaire bay.
- Free parking is available to guests (spaces are limited.)
- Check-in 3PM/ Check-out Noon.
- Dun Laoghaire DART station is just a 5 minute walk away from The Haddington Hotel and provides regular rail connections to Dublin's city centre.

ISONG Group Room Rates and Reservations

The ISONG Congress discounted group room rates include breakfast at the hotel and the VAT.

85 Euro Standard Single (*\$92USD)

115 Euro Standard Double (*\$124USD)

All reservations must be received by June 4, 2016

to receive the special group room rate. Room rate and availability **cannot be guaranteed after this date.**

Reservations: [Click here](#) to access the booking form and send the completed form directly to the Haddington Hotel at: sinead@thehaddington.ie. Please do not consider the reservation complete until you have received a confirmation from the hotel with a reservation number.

Travel Details

Airport

Dublin International Airport (DUB) is approximately 45 minutes from the Royal Marine Hotel and The Haddington Hotel.

Travel Preparations/Documents

Attendees are encouraged to verify required travel documents to/from their country of origin to ensure that travel is approved in advance.

Airport Transportation

The Aircoach offers hourly service to/from the Dublin Airport directly to the Royal Marine Hotel and within a 5 minute walk to The Haddington Hotel. This service runs hourly and is currently offered at 16 Euros each way (pick up the coach at the baggage claim area at the airport.) [Click here for the link.](#)

Train Line

Traveling to and from the hotels is made easier by the proximity to the DART (Dublin Area Rapid Transit) train line.

[Click here for more information.](#)

**Currency exchange and prices are subject to change.*



2016 Congress Program

Wednesday, August 3, 2016

5:00PM – 9:00PM **Congress Registration**

7:00PM – 9:00PM **Welcome Reception**

A traditional Irish dance and music company will perform at 8PM. Join us and be entertained and charmed by Comhaltas - an energetic forty-five minute performance of pure Irish traditional music, song and dance. The show highlights the energy and skill of the dancers and musicians. The spirit of Ireland comes alive in this performance - this is a show not to be missed!

Thursday, August 4, 2016

7:15AM – 4:30PM **Congress Registration**

7:15AM – 8:30AM **Refreshments / Visit Exhibits, Posters, and Raffle**

Attendees are on their own for breakfast. Please take advantage of the breakfast that is included in the room rate at the Royal Marine and Haddington Hotels. Join us for coffee and tea as you visit the exhibits, posters, and raffle.

8:30AM – 9:00AM **President's Welcome and Opening Remarks**

Sandra Daack-Hirsch, PhD, RN

Associate Professor
College of Nursing
University of Iowa
Iowa City, Iowa USA

9:00AM – 9:45AM **Opening Keynote Presentation**

Gen-Equip: Genetics Education for Primary Care. Battles, Skirmishes and New Alliances

Heather Skirton, PhD, MSc, RGN, QMW, PGC (HSCE), Dip Psychotherapeutic Counselling

Professor of Applied Health Genetics
Plymouth University
Chair of the European Board of Medical Genetics
Plymouth, United Kingdom

9:45AM – 10:30AM **Facilitating Families in Their Use of and Coping With Genetic Risk Information**

Alison Metcalfe, PhD, BSc, RN

Professor of Health Care Research
Vice Dean for Research
Florence Nightingale Faculty of Nursing and Midwifery
King's College London
London, United Kingdom

10:30AM – 11:00AM **Refreshment Break / Visit Exhibits, Posters, and Raffle**

Continuing Education Credits

This learning activity will be developed in collaboration with the University of Pittsburgh School of Nursing. 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.



Thursday, August 4, 2016

11:00AM – 12:20PM Abstract Sessions

	Birth/Infants	Nutrition/Diabetes	Environment/Youth
11:00AM – 11:20AM	<p>Genetic And Cytokine Inflammatory Response Biomarkers Improve Prediction Of Early Birth Among Asymptomatic African American Women Shannon Gillespie¹, Lisa Christian¹, Alai Tan¹, Donna McCarthy², Cindy Anderson¹, ¹The Ohio State University, Columbus, OH, USA, ²Marquette University, Milwaukee, WI, USA</p>	<p>Precision Nutrition: Individual Differences in Children Detection Thresholds, Sugar Consumption and Obesity Paule Joseph¹, ¹National Institutes of Health, Bethesda, MD, USA</p>	<p>Trauma and Genetics: A Classical Twin Study Of Young Women's Health Following Teen Dating Violence Candace Burton¹, Colleen Jackson-Cook¹, ¹Virginia Commonwealth University, Richmond, VA, USA</p>
11:20AM – 11:40AM	<p>Newborn Metabolic Screening: Past, Present and Future Sarah Viall¹, ¹Children's National Health System, Washington, DC, USA</p>	<p>Disease Self-Management and Distress in Adults with Diabetes and Sleep Apnea: An Exploratory Study of Biological Pathways Christopher Imes¹, Eileen Chasens¹, Yvette Conley¹, ¹University of Pittsburgh School of Nursing, Pittsburgh, PA, USA</p>	<p>Investigation Of Shared Genetic Variation For Binge Eating and Binge Drinking Behavior in College Age Youth Carley Lovell¹, Fazil Aliev^{1,2}, Kenneth Kendler¹, Danielle Dick¹, Amy Adkins¹, ¹Virginia Commonwealth University, Richmond, VA, USA, ²Faculty of Business, Karabuk University, Turkey</p>
11:40AM – 12:00PM	<p>Social, Clinical and Genomic Factors Associated with Obesity at 12 Months of Age Kathi Huddleston¹, Sahel Hazrati¹, Elisabeth Klein¹, ¹Inova Translational Medicine Institute, Falls Church, VA, USA</p>	<p>Personalizing Familial Risk Perception for Type 2 Diabetes Sandra Daack-Hirsch¹, Lisa Shah¹, Alyssa Cady¹, Katie Jones¹, Brenda Rocha¹, Amy Schumacher¹, ¹The University of Iowa College of Nursing, Iowa City, IA, USA</p>	<p>The Impact Of Predictive Genetic Testing For Cancer On Young Adults: Two Points Of View Lea Godino¹, Daniela Turchetti², Leigh Jackson¹, Catherine Hennessy¹, Heather Skirton¹, ¹School of Nursing and Midwifery, Faculty of Health and Human Sciences, Plymouth University, Plymouth, UK, ²Unit of Medical Genetics, Department of Medical and Surgical Sciences, Policlinico Sant'Orsola-Malpighi, University of Bologna, Bologna, Emilia-Romagna, Italy</p>
12:00PM – 12:20PM	<p>Personalized Care from Birth: An Innovative Program of Pre-Emptive Pharmacogenomic Testing Kathi Huddleston¹, Elisabeth Klein¹, Susanne Haga², ¹Inova Translational Medicine Institute, Falls Church, VA, USA, ²Duke University School of Medicine, Durham, NC, USA</p>	<p>Circulating MicroRNAs Associated with Fasting Blood Glucose In Adults at Risk For Type 2 Diabetes Elena Flowers¹, Isabel Elaine Allen¹, Alka Kanaya¹, ¹University of California, San Francisco, CA, USA</p>	<p>Association Of Social Support With DRD4 And DAT Genes In Male Population 25-64 Years: WHO Program MONICA-Psychosocial Valery Gafarov¹, Elena Gromova¹, Dmitriy Panov¹, Igor Gagulin¹, Almira Gafarova¹, ¹FSBI Institute of Internal and Preventive Medicine, Novosibirsk, Russia</p>

12:20PM – 1:20PM Lunch and Networking

1:20PM – 2:20PM Poster Blitz Oral Presentations (Posters are listed on pages 16-19)

Family Centered Genetic Care	Genetic Disorders, Disease, and Pharmacogenomics	Genetic Education of Patients, Students and Clinicians
Posters 1-18	Posters 19-36	Posters 37-54

2:20PM – 3:10PM Refreshment Break / Visit Exhibits, Posters, and Raffle Designated Poster authors will be available for questions and review at their posters.



Thursday, August 4, 2016

3:10PM – 4:30PM **Abstract Sessions**

	Education	Workforce/Practice	Treatment/Practice
3:10PM – 3:30PM	<p>Misconceptions About Genomics Among Nursing Faculty And Students Catherine Read¹, Linda Ward², ¹Boston College, Chestnut Hill, MA, USA, ²Washington State University, Spokane, WA, USA</p>	<p>The Development Of A Taiwan and US Agency for International Cooperation Program for Genetic Analysis of Racial Differences Erica Yu¹, Jennifer Sanner¹, Min-Huey Chung², Lorraine Frazier¹, ¹The University of Texas Health Science Center at Houston, Houston, TX, USA, ²Taipei Medical University, Taipei, Taiwan, Taiwan</p>	<p>Provider Decision-Making Process Regarding Next Generation Sequencing Audrey Tluczek¹, Pilar Ossorio², Sara Zoran³, Traci Snedden¹, Cissy Ondoma¹, ¹University of Wisconsin School of Nursing, Madison, WI, USA, ²University of Wisconsin Law School, Madison, WI, USA, ³University of Wisconsin Genetics Counseling Program, Madison, WI, USA</p>
3:30PM – 3:50PM	<p>Designing An Undergraduate Genetic And Genomic Nursing Course Based On The Essential Competencies Rebecca Kronk¹, ¹Duquesne University, Pittsburgh, PA, USA</p>	<p>Building Capacity And Capability In The NHS For Genomic Medicine: A Coordinated Approach To Workforce Transformation Michelle Bishop¹, Anneke Seller¹, Sue Hill², Val Davison¹, ¹Genomics Education Programme, Birmingham, UK, ²Chief Scientific Officer, London, UK</p>	<p>Examining the Evidence for Clinical Decision Support Tools for Genetic Testing Mindy Tinkle¹, Sandra Daack-Hirsch², ¹University of New Mexico, Albuquerque New Mexico, USA, ²University of Iowa, Iowa City, IA, USA</p>
3:50PM – 4:10PM	<p>Applying Lessons Learned From Biology Education Research To Inform Genomic Nursing Education Linda Ward¹, ¹Washington State University, Spokane, WA, USA</p>	<p>An Integrative Review Of Nurses' Knowledge, Skills, And Attitudes About Genetics Memnun Seven², Lisa L Shah¹, ¹University of Iowa, Iowa City, IA, USA, ²Koç University, Istanbul, Turkey</p>	<p>Collaborative Development of a Systematic Literature Review Protocol for the Cochrane Collaboration. Interventions to Improve Patient access to and Utilisation of Genetic and Genomic Counselling Services Caroline Benjamin¹, Lois Thomas¹, Heather Skirton², Shanna Gustafson³, Jacqueline Coupe¹, Christine Patch⁴, Rachel Belk⁵, Svetlana Tishkovskaya¹, Kathleen Calzone⁶, Katherine Payne⁷, ¹College of Health and Wellbeing, University of Central Lancashire (UCLan), Preston, UK, ²Faculty of Health and Human Sciences, University of Plymouth, Plymouth, UK, ³Informed DNA, Saint Petersburg, Florida, USA, ⁴Department of Clinical Genetics, Guys and St. Thomas' NHS Foundation Trust, London, UK, ⁵Manchester Centre for Genomic Medicine, St Mary's Hospital, Manchester, UK, ⁶Centre for Cancer Research, Genetics Branch, National Cancer Institute, Bethesda, Maryland, USA, ⁷Manchester Centre for Health Economics, The University of Manchester, Manchester, UK</p>
4:10PM – 4:30PM	<p>The Integration of Genomics/ Genetics Into A Nursing Curriculum: Enhancing Faculty Competence Lisa Bashore¹, Dennis Cheek², Lynnette Howington³, Glenda Daniels⁴, Lori Borchers⁵, ¹Texas Christian University, Fort Worth, TX, USA, ²Texas Christian University, Fort Worth, TX, USA, ³Texas Christian University, Fort Worth, TX, USA, ⁴Texas Christian University, Fort Worth, TX, USA, ⁵Texas Christian University, Fort Worth, TX, USA</p>	<p>Impact Of Genomic Education Within A Specialty Nursing Practice Kelliann Fee-Schroeder¹, Darcy Richardson¹, Dawn Nelson¹, Katherine Burbank¹, Sharon Levey¹, Marie Maningo-Salinas¹, ¹Mayo Clinic, Rochester, MN, USA</p>	<p>Integrating Genetic Nurses Into The Individualized Medicine Clinic Katherine Burbank¹, Teresa Kruisselbrink¹, Tammy McAllister¹, Carolyn Vitek¹, ¹Mayo Clinic, Rochester, MN, USA</p>



Thursday, August 4, 2016



4:30PM – 5:15PM

ISONG Committee Meetings

*Come and meet your fellow ISONG committee members!
Connecting with your committee early in the Congress program
will offer time to network and discuss ideas for the coming year.*



Check the Social Board to connect with fellow attendees for dinner and networking.

Sponsors

Please visit and support our sponsors and exhibitors 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.





Friday, August 5, 2016

8:00AM – 5:00PM **Congress Registration**

8:00AM – 8:55AM **Refreshments / Visit Exhibits, Posters, and Raffle**

Attendees are on their own for breakfast. Please take advantage of the breakfast that is included in the room rate at the Royal Marine and Haddington Hotels. Join us for coffee and tea as you visit the exhibits, posters, and raffle.

8:00AM – 8:45AM **Architects of Success: Certification as a Roadmap for Lifelong Professional Development**

Marianne Horahan, MBA, MPH, RN, CPHQ, NEA-BC

Director, Certification Services

American Nurses Credentialing Center (ANCC)

Silver Spring, Maryland USA

Christine G. Leyden, MSN, RN

Vice President of Certification and Measurement Services

American Nurses Credentialing Center (ANCC)

Silver Spring, Maryland USA

Sponsored by:



About ANCC

The mission of the American Nurses Credentialing Center (ANCC), a subsidiary of the American Nurses Association (ANA), is to promote excellence in nursing and health care globally through credentialing programs. ANCC's internationally renowned credentialing programs certify and recognize individual nurses in specialty practice areas. It recognizes healthcare organizations that promote nursing excellence and quality patient outcomes, while providing safe, positive work environments. In addition, ANCC accredits healthcare organizations that provide and approve continuing nursing education. It also offers educational materials to support nurses and organizations as they work toward their credentials.

The ANCC Certification program recognizes the importance of high-quality continuing nursing education (CNE) and skills-based competency programs. **Around the world, ANCC-accredited organizations provide nurses with the knowledge and skills to help improve care and patient outcomes.** *ANCC's recognition programs for healthcare organizations are now accepting international applications.*

Healthcare organizations around the world are searching for ways to improve patient care and quality. The American Nurses Credentialing Center's (ANCC) recognition programs for nursing excellence offer proven strategies to reach these goals. For hospitals located outside of the United States, ANCC offers additional support and resources to assist in pursuing Magnet Recognition or Pathway designation.



Friday, August 5, 2016

8:55AM – 9:00AM **Announcements**

9:00AM – 10:20AM **Abstract Sessions**

	Breast Cancer/Cancer	Women's Health	Neuro/Multisystem
9:00AM – 9:20AM	<p>When To Order Screening Breast MRI? Calculating Lifetime Risk For Breast Cancer Using The Tyrer-Cuzick Model Deborah O. Himes¹, Aubri Root¹, Karlen E. Luthy¹, ¹Brigham Young University, Provo, UT, USA</p>	<p>How Do Midwives Communicate Genetic Information? Sophie John¹, Maggie Kirk¹, Ian Stuart-Hamilton¹, Emma Tonkin¹, Nicola Ralph², ¹University of South Wales, South Wales, UK, ²NHS Wales, Cwm Taf University Health Board, UK</p>	<p>The Impact Of Dopamine, Serotonin, And BDNF Genotype On Long Term Outcomes After Aneurysmal Subarachnoid Hemorrhage Ansley Stanfill¹, Paula Sherwood¹, Samuel Poloyac¹, Elizabeth Crago¹, Yvette Conley¹, ¹University of Pittsburgh, Pittsburgh, PA, USA</p>
9:20AM – 9:40AM	<p>Collaborative Oncology Testing In Women At High Risk To Develop Breast Cancer Julie Eggert¹, Alka Chaubey², Mike Friez², Matt Tedder², Sourat Darabi², Katie Andrews², ¹Clemson University, Greenville, SC, USA, ²Greenwood Genetic Center, Greenwood, SC, USA, ³St Francis Cancer Center, Greenville, SC, USA</p>	<p>Endoglin Pathway Genetic Variation in Preeclampsia: A Replication Study in Norwegian And Latina Cohorts Mandy Schmella¹, James Roberts², Yvette Conley¹, Dianxu Ren¹, Gro Storvold³, Sue Ingles⁴, Melissa Wilson⁴, Annetine Staff³, Carl Hubel², ¹University of Pittsburgh, Pittsburgh, PA, USA, ²Magee-Womens Research Institute, Pittsburgh, PA, USA, ³University of Oslo & Oslo University Hospital, Department of Gynecology and Obstetrics, Oslo, Norway, ⁴University of Southern California, Los Angeles, CA, USA</p>	<p>The Impact Of Aromatase Genotypes On Long Term Outcomes After Aneurysmal Subarachnoid Hemorrhage Elizabeth Crago¹, Amy Wagner², Paula Sherwood¹, Samuel Poloyac³, Yvette Conley¹, ¹University of Pittsburgh School of Nursing, Pittsburgh, Pa, USA, ²University of Pittsburgh Medical Center, Pittsburgh, Pa, USA, ³University of Pittsburgh School of Pharmacy, Pittsburgh, PA, USA</p>
9:40AM – 10:00AM	<p>Educational Needs and Knowledge Level Of Oncology Nurses In Genetics Regarding Hereditary Breast and Ovarian Cancer Seyma Inciser Pasalak¹, Memnun Seven¹, Gülten Güvenc², Gülsah Kök², ¹Koç University, Istanbul, Turkey, ²Gülhane Military Medical Academy, Ankara, Turkey</p>	<p>Maternal Vitamin D Supplementation During Pregnancy and Lactation Alters the Maternal Epigenome: a Randomized Controlled Trial Cindy Anderson¹, Joyce Ohm³, Jody Ralph³, Danielle Perley³, Doria Thiele², ¹The Ohio State University, Columbus, OH, USA, ²Oregon Health and Science University, Portland, OR, USA, ³University of North Dakota, Grand Forks, ND, USA</p>	<p>The Role of Neuroglobin Following Acute Stroke-A Systematic Review with Meta-Analysis Pei-Ying Chuang¹, Rachel Helbing¹, Ching-Hsin Hsieh², ¹University of Texas Health Science Center at Houston, Houston, TX, USA, ²Chang Gung University of Science and Technology, Chia-Yi, Taiwan, Taiwan</p>
10:00AM – 10:20AM	<p>The Influence Of Perceived And Actual Risk On Use Of Cancer Genetic Services In Women At Risk For Hereditary Breast Cancer Chang Ming¹, Christos Nikolaidis¹, Maria Katapodi¹, ¹Institute of Nursing Science, Faculty of Medicine, University of Basel, Basel, Switzerland, ²University of Michigan School of Nursing, Ann Arbor, MI, USA</p>	<p>NIPSIGEN Project: The Development And Validation Of Non-invasive Prenatal Testing (NIPD) For Single Gene Disorders Julie Hewitt¹, Stephanie Allen¹, Michael Parkes¹, Trevor Cole¹, Denise Williams¹, Mike Griffiths¹, Fiona McDonald¹, Siobhan Cleary¹, Samuel Clokie¹, Sam Court¹, ¹Birmingham Women's NHS Foundation Trust, Birmingham, UK</p>	<p>LRRK2, GBA And SMPD1 Founder Mutations And Parkinson's Disease In Ashkenazi Jews Efrat Dagan¹, Ilana Schlesinger², Alina Kurolap³, Meeramar Ayoub³, Maria Nassar², Judith Peretz-Aharon², Ruth Gershoni-Baruch³, ¹Department of Nursing, University of Haifa, Haifa, Israel, ²Department of Neurology and the Cognitive Neurology Institute, Rambam Health Care Campus, Haifa, Israel, ³Institute of Human Genetics, Rambam Health Care Campus, Haifa, Israel</p>

10:20AM - 10:45AM **Refreshment Break / Visit Exhibits, Posters, and Raffle**



Friday, August 5, 2016

10:45AM – 12:05PM **Abstract Sessions** (continued)

	Breast Cancer/Cancer	Women's Health	Neuro/Multisystem
11:05AM – 11:25AM	<p>Breast Cancer Risk Assessment: Evaluation Of Referral Tools For Genetic Consultation <u>Deborah O. Himes</u>¹, Maren L. Zaro¹, Mary Williams¹, Donna Freeborn¹, Dennis L. Eggett¹, Anita Y. Kinney², ¹Brigham Young University, Provo, UT, USA, ²University of New Mexico Cancer Center & Division of Epidemiology, Biostatistics and Prevention, Department of Internal Medicine, Albuquerque, NM, USA</p>	<p>Engaging Egg-Donor Conceived Children In Conversations About Their Genetic Origins: First Steps <u>Martha Driessnack</u>¹, Patricia Hershberger¹, ¹OHSU, Portland, OR, USA, ²UIC, Chicago, IL, USA</p>	<p>Integrating Genetics Into The Development Of The First Perioperative Myectomy Pathway <u>Katherine Beutner</u>¹, Heidi Salisbury¹, Matthew Wheeler¹, Colleen Caleshue¹, Mitchel Pariani¹, Richard Ha¹, ¹Stanford Hospital and Clinics, Stanford, CA, USA</p>
11:25AM – 11:45AM	<p>Variant Reclassification in Cancer Genetic Testing: Are Genetic Counsellors Prepared? A Review Of Current Practices <u>Niamh White</u>¹, Brook White², Karen Brooks³, Cristi Radford⁴, ¹Wessex Clinical Genetics Service, University Hospital Southampton, Southampton, UK, ²Carolinas Medical Centre, Charlotte, North Carolina, USA, ³South Carolina Oncology Associates, Columbia, South Carolina, USA, ⁴Invitae, San Francisco, CA, USA</p>	<p>Risk Of Multinodular Goiter And Thyroid Cancer In The DICER1 Syndrome <u>Laura A. Harney</u>¹, Ann G. Carr¹, Ron G. Kase¹, Rosamma M. Decastro², Nicholas E. Khan², Andrew J. Bauer³, Alexander Ling⁴, Anne K. Harris⁷, Gretchen M. Williams⁶, Kris Ann P. Schultz⁷, Louis P. Dehner⁸, Yoav H. Messinger⁵, D. Ashley Hill⁹, Douglas R. Stewart², ¹Westat, Inc., Rockville, MD, USA, ²Clinical Genetics Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Rockville, MD, USA, ³Children's Hospital of Philadelphia, Philadelphia, PA, USA, ⁴NIH Clinical Center, Bethesda, MD, USA, ⁵Children's Hospitals and Clinics of Minnesota, Minneapolis, MN, USA, ⁶International PPB Registry, Minneapolis, MN, USA, ⁷International Ovarian and Testicular Stromal Tumor Registry, Minneapolis, MN, USA, ⁸Washington University, Minneapolis, MN, USA, ⁹Children's National Medical Center, Washington, DC, USA</p>	<p>Lack of Association of CYP2B6*6 And GRIN2B Alleles With Ketamine Induced Emergence Phenomena: A pilot Study <u>Edwin Aroke</u>¹, Jennifer Dungan², ¹University of Massachusetts, Worcester, MA, USA, ²Duke University, Durham, NC, USA</p>
11:45AM – 12:05PM	<p>Exploring Diversity Across Cancer Genetic Clinical Practices <u>Susan Montgomery</u>¹, Tammy McKamie², Yvonne Hanhauser³, ¹Fox Chase Cancer Center, Philadelphia, PA, USA, ²CHRISTUS Health-Saint Michael Cancer Center, Texarkana, TX, USA, ³St. James Hospital, Dublin, Ireland</p>	<p>Differential Expression of Energy Metabolism Pathways Is Associated With Fatigue Severity After Chemotherapy In Individuals With Cancer <u>Elena Flowers</u>¹, Christine Miaskowski¹, Judy Mastick¹, Bruce Cooper¹, Steven Paul¹, Kord Kober¹, ¹University of California, San Francisco, CA, USA</p>	<p>Using Social Network Analysis To Examine Family Communication About Genetic Cardiac Conditions <u>Lisa Shah</u>¹, ¹University of Iowa College of Nursing, Iowa City, IA, USA</p>
10:45AM – 11:05AM	<p>Paternal Family History As A Risk Factor For Triple Negative Breast Cancer In African American Women <u>Katie Edwards</u>¹, Matthew Tedder¹, Julia Eggert¹, ¹Clemson University, Clemson, SC, USA</p>	<p>Initial Findings From A Longitudinal Donor-Egg Kinship Study <u>Patricia Hershberger</u>¹, Martha Driessnack², Karen Kavanaugh³, Susan Klock⁴, ¹University of Illinois at Chicago, Chicago, Illinois, USA, ²Oregon Health & Science University, Portland, Oregon, USA, ³Wayne State University, Detroit, Michigan, USA, ⁴Northwestern University, Chicago, IL, USA</p>	<p>Factors Associated With End-of-Life Planning In Huntington Disease <u>Nancy Downing</u>¹, Sena Chae², Siera Goodnight³, Noelle Carlozzi³, ¹Texas A&M University College of Nursing, Bryan, Texas, USA, ²University of Iowa College of Nursing, Iowa City, IA, USA, ³University of Michigan, Ann Arbor, MI, USA</p>

Friday, August 5, 2016

- 12:05PM – 1:15PM **Lunch and Networking**
- 1:15PM – 2:00PM **Keynote Presentation**
Personalised Medicine: Current State and Prospects for the Future
Sir Munir Pirmohamed, MB ChB (Hons), PhD, FRCP, FRCP(E), FBPhS, FMedSci
Professor/ David Weatherall Chair of Medicine and
National Health Service Chair of Pharmacogenetics
Associate Executive Pro-Vice Chancellor for Clinical Research
Director, Medical Research Council Centre for Drug Safety Science and
Wolfson Centre for Personalised Medicine
University of Liverpool
Liverpool, United Kingdom
- 2:00PM – 2:30PM **Awards Presentations**
- 2:30PM - 3:00PM **Refreshment Break / Visit Exhibits, Posters, and Raffle**
Designated Poster authors will be available for questions and review at their posters.
- 3:00PM – 3:45PM **Communicating Genetic Information in British Sign Language (BSL)**
Rachel Belk, MSc, BSc
School of Nursing, Midwifery and Social Work
Manchester Centre for Genomic Medicine
Institute of Human Development
Faculty of Medical and Human Sciences
Manchester Academic Health Sciences Centre
University of Manchester
Manchester, United Kingdom
- 3:45PM – 4:20PM **The Genetic Diabetes Nurse Project: an Educational Model
for the Translation of Genetic Knowledge into Clinical Care**
Maggie Shepherd, RGN, PhD
Honorary Clinical Professor
University of Exeter Medical School
Exeter, United Kingdom
- 4:20PM – 5:05PM **The Role of the Clinical Midwife Specialist in the Integration of
Fetal Medicine and Medical Genetics**
Jane Dalrymple
Clinical Midwife Specialist in Fetal Medicine
Fetal Medicine Unit
Rotunda Hospital
Dublin, Ireland
- 5:05PM – 5:30PM **ISONG Raffle Drawing**
- 5:30PM – 6:00PM **ISONG Business Meeting**



Check the Social Board to connect with fellow attendees for dinner and networking.



Saturday, August 6, 2016

8:00AM – 12:00PM **Congress Registration**

8:00AM – 9:00AM **Refreshments / Visit Exhibits**

Attendees are on their own for breakfast. Please take advantage of the breakfast that is included in the room rate at the Royal Marine and Haddington Hotels. Join us for coffee and tea as you visit the exhibits.

9:00AM – 9:30AM **Incoming President Address**

Elizabeth L. Pestka, APRN, CNS, ANG
Clinical Nurse Specialist
Mayo Clinic
Rochester, Minnesota USA

9:30AM – 10:15AM **Becoming BRCA Aware; the Evolution of the Gynaecology Oncogenetic Pathway**

Tracie Miles, PhD
Research and Development Officer
National Forum Gynecology-Oncology Nurses
British Gynecology Cancer Society Council Representative
Gynecology Oncology Specialist Nurse
Royal United Hospital
Bath, United Kingdom

10:15AM – 10:30AM **Refreshment Break / Visit Exhibits**

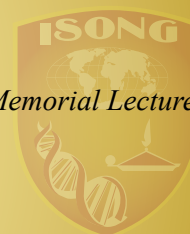
10:30AM – 11:15AM **International Panel - Developing a Roadmap for Action to Integrate Genomics into Nursing: International Perspectives on Issues and Priorities**

11:15AM – 12:00PM **Closing Keynote**

Socialising the Genome

Anna Middleton, PhD, MSc, RGC
Principal Social Scientist Lead
Social Science and Ethics
Wellcome Genome Campus, Cambridge
Cambridge, United Kingdom

~ Elizabeth Thomson Memorial Lecture ~



Elizabeth Thomson Memorial Lecture

A Memorial Lecture in honor of Dr. Elizabeth Thomson who was the co-founder of the organization that later became the International Society of Nurses in Genetics. Elizabeth began her career as a labor and delivery nurse and developed an interest in genetics. Her focus was on the role of nurses in genetic counseling. Throughout her career, she maintained her devotion to the concern for health and welfare of women and children. With two decades as the program director for the National Human Genome Research Institute's Ethical, Legal, and Social Implications Research Division she was highly regarded as a pioneer in her field. Elizabeth was the author of many publications that included works in nursing genetics and public health and received numerous awards and distinctions for her outstanding work and service. She was a mentor to many aspiring professionals, and was acknowledged for her inspiration and support to colleagues. Dr. Thomson will be missed by healthcare professionals around the world, the nursing community, and ISONG in particular. We are eternally grateful for her service to ISONG.

Congress Concludes



Posters

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Developing A Pre-Appointment Video To Prepare New Families For Genetics Clinic Visit
Andrea Hartgraves¹, Sarah Storhoff¹, Edith Anyieni¹, Tammy Fairbanks¹, ¹*Seattle Children's Hospital, Seattle, WA, USA*
- 2**
Are Online Personal Health Records Useful For Patients With Genetic Conditions To Share Information With Family Members?
Selina Goodman¹, Heather Skirton¹, Ray Jones¹, ¹*Plymouth University, Devon, UK*
- 3**
How Can Public Health Nurse Respond The Mother With Anxiety By Radiation? Feelings Of Uneasiness Which May Includes Genetic Worries
Hiromi Kawasaki¹, Satoko Yamasaki¹, Masahiro Kawasaki¹, Mika Nishiyama², Pete D'Angelo³, ¹*Hiroshima University, Hiroshima, Japan*, ²*Hiroshima Bunkyo Women's University, Hiroshima, Japan*, ³*Doi Clinic, Hiroshima, Japan*
- 4**
Consenting Families Of Acutely Injured Children In Physiologic And Genetic Studies: Recommendations For Successful For Research
Karin Reuter-Rice¹, Salma Torres², Suzanna Berndt¹, ¹*Duke University, Durham, NC, USA*, ²*NC High School for Science and Mathematics, Durham, NC, USA*
- 5**
Evaluating The Practicality Of Clinic-Wide Utilization Of A Psychotropic Assay
Katie Halbmaier¹, Virginia Conley², ¹*University of Iowa College of Nursing, Iowa City, IA, USA*, ²*Eyerly Ball Community Mental Health Services, Des Moines, IA, USA*
- 6**
New Genetic Frontier For Nurses: Addressing Mutations And VUSs
Sylvia S. Estrada¹, Alexandria Meyer², ¹*Cedars-Sinai Medical Center, Los Angeles, CA, USA*, ²*Ambry Genetics, Aliso Viejo, CA, USA*
- 7**
Introduction To Genetic Education For Parents Of Kindergarten Children
Hiromi Moriya¹, Megumi Kagotani¹, Hiromi Jono¹, Mayumi Ikeuchi¹, Sachiko Mori¹, Reiko Inoue¹, Kazumi Takahashi², Shun-ichiro Izumi², Ituro Inoue³, ¹*Department of Nursing, Tokai University School of Health Science, Isehara, Kanagawa, Japan*, ²*Department of Obstetrics and Gynecology, Tokai University School of Medicine, Isehara, Kanagawa, Japan*, ³*Division of Human Genetics, Department of Integrated Genetics, National Institute of Genetics, Mishima, Shizuoka, Japan*
- 8**
Independence Of Children With Genetic Diseases And Parental Support in Japan
Kaori Nio¹, Ikuko Oikawa², Chikaho Nomaguchi³, Miyuki Nishida⁴, Ryou Hayashi⁴, ¹*Mie University, Mie, Japan*, ²*St. Luka's International University, Tokyo, Japan*, ³*Miyazaki University, Miyazaki, Japan*, ⁴*Juntendo University, Tokyo, Japan*
- 9**
The Position And Future Of Genetic Counselors In The Netherlands
Barbara Caanen¹, Joyce de Vos-Houben¹, Sera Langenveld¹, Marije Hoos¹, Els van Riel², Anja van Rens³, ¹*Maastricht University Hospital, Maastricht, The Netherlands*, ²*University Hospital Utrecht, Utrecht, The Netherlands*, ³*Dutch Cancer Institute, Amsterdam, The Netherlands*
- 10**
Vulnerable Population Research: Designing And Implementing A Microbiome Study Of Neonates
Elisabeth Klein¹, Kathi Huddleston¹, Suchitra Hourigan¹, ¹*Inova Translational Medicine Institute, Falls Church, VA, USA*
- 11**
From Two: One. From Clinical Diagnostics And Aspects Of Family Needs Emerges Genetic Nursing In And For Colombia
Pilar Amaya-Rey¹, ¹*Universidad Nacional de Colombia, Bogota, Colombia*
- 12**
DNA Methylation Of Genes Associated With Duration Of Breastfeeding And Growth of 18 Month Old Children In The Peri /Postnatal Epigenetics Twin Study (PETS)
Heide Temples¹, Jeffrey Craig², ¹*Clemson University, Clemson, SC, USA*, ²*Department of Paediatrics, University of Melbourne, Melbourne, Australia*
- 13**
Cross-Cultural Study Of Parental Well-being In Families Of Individuals With Down Syndrome
Marcia Van Riper¹, George Knaf¹, Elysangela Duarte², ¹*University of North Carolina, NC, USA*, ²*Federal University of Minas Gerais, Belo Horizonte, Brazil*
- 14**
Clinician Knowledge And Utilization Of Genome Sequencing Results
Belinda Mandrell¹, Liza Johnson¹, Jessica Valdez¹, Stacy Hines-Dowell¹, Kim Nichols¹, ¹*St. Jude Children's Research Hospital, Memphis, TN, USA*



Posters

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The Roles And Responsibilities Of Nurse In Relieving The Burden Of Genetic Disorders Due To Consanguineous Marriages
Gizem Gul Yuucedag¹, ¹*KOC University Hospital, Istanbul/Topkapi, Turkey*
- 16**
Genomes For Kids (G4K): A Feasibility Study Using Whole Exome (WES), Genome (WGS) And RNA Sequencing On Tumor And Germline Samples
Stacy Hines-Dowell, DNP, AGN-BC¹, Kim Nichols, MD¹, James Downing, MD¹, Jinghui Zhang, PhD¹, Belinda Mandrell, PhD¹, Liza Johnson, MD¹, Chimene Kesserwan¹, Annastasia Ouma, MSN¹, Lynn Harrison, CCRP¹, Manish Kubal, MHA¹, ¹*St. Jude Children's Research Hospital, Memphis, TN, USA*
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Incorporating Genomics Into The Work Of The Patient-Centered Medical Home (PCMH): An Adirondack Exemplar
Karen Zanni¹, ¹*SUNY Empire State College, Saratoga Springs, NY, USA*
- 18**
Shifting Family Structure: Theoretical Perspectives Of Worldwide Population And Family Composition Changes
Jennie Wagner¹, Mary Ann Freeman², ¹*University of North Carolina at Chapel Hill, Chapel Hill, NC, USA*, ²*Pepperdine University, Monterey, CA USA*
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Linked Lives And BRCA Testing In Younger Women
Rebekah Hamilton¹, ¹*Rush University, Chicago, IL, USA*
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One Nurse's Exemplary Story Of Advocating For The Use Of Pharmacogenomics
Elizabeth Pestka¹, Catherine Shea², MaryLou Stambaugh³, ¹*Mayo Clinic, Rochester, MN, USA*, ²*Mayo Clinic, Rochester, MN, USA*, ³*Mayo Clinic, Rochester, MN, USA*
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Development And Testing Of The BRCA Decision Aid
Terri Jabaley Leonarczyk¹, ¹*Emmanuel College, Boston, MA, USA*
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Circadian Rhythm Genes Are Irregularly Expressed In Cystic Fibrosis, Potentially Causing Sleep Disruption
Rebecca Darrah¹, Paul Litman¹, Eric Barbatto¹, ¹*Case Western Reserve University, Cleveland, OH, USA*
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Stability And Variations For The Theory Of Reasoned Action Personal Factors And Subjective Norms In Young Adults With Sickle Cell Disease (SCD) Or Sickle Cell Trait (SCT) Over 2 Years
Agatha Gallo¹, Diana Wilkie², Yingwei Yao², ¹*University of Illinois at Chicago, Chicago, IL, USA*, ²*University of Florida, Gainesville, FL, USA*
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Genotype To Phenotype Analysis Of Inflammatory Cytokines And Symptom Severity In Advanced Cancer
Stephanie Gilbertson-White¹, ¹*University of Iowa, Iowa City, IA, USA*
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COMT Val518Met Polymorphism Influence On Effectiveness Of Comprehensive Symptom Management For Patients With Irritable Bowel Syndrome
Margaret Heitkemper¹, Claire Han¹, Sangeun Jun², Kevin Cain³, Robert Burr³, Jasmine Zia⁴, Monica Jarrett¹, ¹*Dept. of Biobehavioral Nursing and Health Systems, University of Washington, Seattle, WA, USA*, ²*Keimyung University, College of Nursing, Keimyung, Daegu, Republic of Korea*, ³*Dept. of Biostatistics and Office of Nursing Research, University of Washington, Seattle, WA, USA*, ⁴*University of Washington, Medical Center, Seattle, WA, USA*
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Literature Analysis Of Antidepressant Efficacy In Non-White Hispanic Populations
Jacob Martin¹, Lauren Palermo¹, Lindsay Ratner¹, Emily Smail¹, Julia Eggert¹, Bohua (Angela) Wu¹, ¹*Clemson University, Clemson, SC, USA*
- 27**
Using Protein Structural Models To Facilitate Genotype-to-Phenotype Analysis Of Pain And Cytokines In Patients With Advanced Cancer
Rae Ann Corrigan¹, Stephanie Gilbertson-White¹, Michael Schnieders¹, ¹*University of Iowa, Iowa City, IA, USA*
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Implementation Of The B-RST Screening Tool For BRCA Mutations At A Federally Qualified Health Center
Nicole Seagriff¹, Jennifer Dungan², Ann Maradiegue³, ¹*The Community Health Center, Norwalk, CT, USA*, ²*Duke University School of Nursing, Durham, NC, USA*, ³*James Madison University, Harrisonburg, VA, USA*
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Gene x Environment Interactions In Postpartum Depression: A Novel Biobehavioral Transactional Model
Sharon Ruyak¹, ¹*University of New Mexico, Albuquerque, NM, USA*



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Family Support In Family Units At Risk For Hereditary Breast Cancer Randomly Recruited From A State Cancer Registry: A Descriptive Study
Franziska Schmidt¹, Christos Nikolaidis¹, Manuela Eicher², Kari Mendelson-Vicor⁴, Laurel Northouse⁴, Maria Katapodi¹, ¹*Institut of Nursing Science, University of Basel, Basel, Switzerland*, ²*School of Health Fribourg University of Applied Sciences and Arts Western, Fribourg, Switzerland*, ³*Institute of Higher Education and Research in Nursing, University of Lausanne, Lausanne, Switzerland*, ⁴*University of Michigan School of Nursing, MI, USA*
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Amy Watford¹, Marion McAllister¹, Prosser Alison², Catherine O'Leary², Samantha Phillips³, Ian Ketchell², Rachel Belk⁴, ¹*Cardiff University, Cardiff, UK*, ²*Cardiff & Vale University Health Board, All Wales Adult CF Centre, Cardiff, UK*, ³*University Hospitals Bristol NHS Foundation Trust, Bristol, UK*, ⁴*University of Manchester, Manchester, UK*
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Effects Of Ethnicity And Breastfeeding On Aggressive Breast Cancer Phenotype
Julia Eggert¹, Katherine Coggins¹, Anna Few¹, Callie Wingo¹, ¹*Clemson University, Clemson, SC, USA*
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Pharmacogenetics Guidelines For Management of Sickle Cell Disease Comorbidities
Cheedy Jaja¹, Tiffany Diers¹, Dr. Hyon Kim¹, Changchun Xie¹, ¹*University of Cincinnati, Cincinnati, OH, USA*
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Emilie Goris¹, ¹*Hope College, Holland, MI, USA*
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A Model For Investigating Interactions Between Genetics, Lifestyle Behaviors, And Pregnancy-Induced Hypertension
McKenzie Wallace¹, ¹*Case Western Reserve University, Cleveland, OH, USA*
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Knowledge, Attitudes, And Intention Toward Genetic Testing In Breast Cancer Patients With High Risk Of Hereditary Breast Cancer
Hye-Mi Park¹, Sangeun Jun⁰, ¹*Breast Cancer Center, Chilgok Kyungpook National University Medical Center, Daegu, Republic of Korea*, ²*College of Nursing, Keimyung University, Daegu, Republic of Korea*
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Kathleen Hickey¹, Taura Barr², Maria Katapodi³, Nicole Hauser¹, James Jackson⁴, Jane Rafferty⁴, Toni Antonucci⁴, Haomiao Jia¹, Teresa Riga¹, Laura Valente¹, Jacquelyn Taylor⁵, ¹*Columbia University School of Nursing, New York, NY, USA*, ²*West Virginia University School of Nursing, Morgantown, WV, USA*, ³*University of Basel, Basel, Switzerland, Switzerland*, ⁴*University of Michigan, Ann Arbor, MI, USA*, ⁵*Yale University School of Nursing, Orange, CT, USA*
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Perceived Genetic Knowledge Among Pre-Licensure Undergraduate Nursing Students
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New Zealand Undergraduate Nursing Students Knowledge And Understanding Of DOHaD (Developmental Origins of Health and Disease)
Anecita Gigi Lim¹, ¹*University of Auckland, Auckland, New Zealand*
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Facilitating Genomics Content In Curriculum: Be A Tour Guide
Michelle Kelly¹, ¹*Villanova University, College of Nursing, Villanova, PA, USA*
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Kelliann Fee-Schroeder¹, Darcy Richardson¹, Dawn Nelson¹, Katherine Burbank¹, ¹*Mayo Clinic, Rochester, MN, USA*
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Dissemination Research: Moving Genetic, Genomic, And Epigenetic Knowledge Into Practice
Jane Garvin¹, Amber McCall¹, ¹*Augusta University, Augusta, GA, USA*
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Evaluation Of The Genetic Nursing Education Program Of Familial Amyloid Polyneuropathy
Hiroki Kawasaki¹, Chieko Kakinaka², Satoko Nakagomi³, ¹*Hiroshima University, Hiroshima, Japan*, ²*Kumamoto / University, Kumamoto, Japan*, ³*Yamanashi University, Yamanashi, Japan*
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Developing A Continuing Education Program Of Clinical Genetic And Genomic Nursing For Advanced Practice Registered Nurses In Japan
Satoko Nakagomi¹, Hiroko Asano¹, Chieko Kakinaka¹, Chikaho Nomaguchi¹, Noriko Sasaki¹, Yuka Ozasa¹, Yuko Takeda¹, ¹*University of Yamanashi, Chuo, Yamanashi, Japan*

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A Literature Review Of Genetic Nursing Competences
Akiko Terashima¹, Naoko Arimori², ¹*National Rehabilitation Center for Children with Disabilities, Tokyo, Japan*, ²*Niigata University, Niigata, Japan*
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Participant Understanding Of Biobanking Genetic Material For Translational Research: Implications For Obtaining Informed Consent
Jennifer Sanner¹, Mary Hall¹, Joan Engebretson¹, Ty Hoover², ¹*The University of Texas Health Science Center at Houston School of Nursing, Houston, TX, USA*, ²*The University of Texas M.D. Anderson Cancer Center, Houston, TX, USA*
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Genetics Nursing Education In Japanese Graduate Schools
Hiroko Susaka¹, Naoko Arimori², ¹*Teikyo Heisei University, Tokyo, Japan*, ²*Niigata University, Niigata, Japan*
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Zika And Beyond: Using A Public Health Genomics Framework To Guide The Nursing Research Agenda On Emerging Disease Threats
Donna Schminkey¹, Caitlin Dreisbach¹, Pamela DeGuzeman¹, ¹*University of Virginia, Charlottesville, VA, USA*
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The Knowledge And Attitude Of Dentistry Students Towards Genetic Counselling And Nurses In Genetics
Fulya Tekşen¹, ¹*Ankara University, Faculty of Medicine, Medical Biology Department, Ankara, Sıhhiye, Turkey*
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Integrating Genetics And Genomics In Community Health Nursing
Judith Jarosinski¹, Vonceia Brown¹, Tina Reid¹, ¹*Salisbury University, Salisbury, MD, USA*
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Adaptation And Psychometric Testing Of The Genomic Nursing Concept Inventory
Memnun Seven¹, Eda Sahin², Gulden Guvenc², Linda D. Ward⁴, Sandra Daack Hirsch¹, ¹*Koc University, Istanbul, Turkey*, ²*Gulhane Military Medical Academy, Ankara, Turkey*, ³*University of Iowa, Iowa City, IA, USA*, ⁴*Washington State University, Spokane, WA, USA*
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Implementation Of An Ethical, Legal And Social Implications-Based BSN Genetics And Genomics Course: A Curricular Quality Improvement
Susan B. Dickey¹, ¹*Temple University, Philadelphia, PA, USA*
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Susan Wesmiller¹, Mandy Schmella¹, Janice Dorman¹, ¹*University of Pittsburgh, PA, USA*
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Marcia Van Riper¹, ¹*University of North Carolina, Chapel Hill, NC, USA*
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Transcriptional Profiling Of Dogs As A Model For Human Non-Hodgkin's Lymphomas
Jennie Rowell¹, Jie Zhang¹, Joelle Fenger¹, William Kisseberth¹, ¹*The Ohio State University, Columbus, OH, USA*



In recognition of dedication in the planning of the 2016 ISONG World Congress

2016 Congress Co Chairs

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