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 Subasic, PhD, RN  
Congress Co-Chair

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

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Registration</th>
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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:**

[Failte Ireland]

[Meet in Ireland]
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 has 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.

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.

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.

Click here for more information including the links for the transportation options and for the tours.
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

<table>
<thead>
<tr>
<th>Birth/Infants</th>
<th>Nutrition/Diabetes</th>
<th>Environment/Youth</th>
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<tbody>
<tr>
<td><strong>Genetic And Cytokine Inflammatory Response Biomarkers Improve Prediction Of Early Birth Among Asymptomatic African American Women</strong></td>
<td><strong>Precision Nutrition: Individual Differences in Children Detection Thresholds, Sugar Consumption and Obesity</strong></td>
<td><strong>Trauma and Genetics: A Classical Twin Study Of Young Women’s Health Following Teen Dating Violence</strong></td>
</tr>
<tr>
<td>Shannon Gillespie¹, Lisa Christian¹, Alai Tan², Donna McCarthy², Cindy Anderson¹, ¹The Ohio State University, Columbus, OH, USA, ²Marquette University, Milwaukee, WI, USA</td>
<td>Paule Joseph¹, ¹National Institutes of Health, Bethesda, MD, USA</td>
<td>Candace Burton¹, Colleen Jackson-Cook¹, ¹Virginia Commonwealth University, Richmond, VA, USA</td>
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| **Newborn Metabolic Screening: Past, Present and Future** | **Disease Self-Management and Distress in Adults with Diabetes and Sleep Apnea: An Exploratory Study of Biological Pathways** | **Investigation Of Shared Genetic Variation For Binge Eating and Binge Drinking Behavior in College Age Youth** |
| Sarah Viall¹, ¹Children’s National Health System, Washington, DC, USA | Christopher Innes¹, Eileen Chasens¹, Yvette Conley¹, ¹University of Pittsburgh School of Nursing, Pittsburgh, PA, USA | Carley Lovell¹, Fazil Aliev¹², Kenneth Kendall¹, Danielle Dick¹, Amy Adkins¹, ¹Virginia Commonwealth University, Richmond, VA, USA, ²Faculty of Business, Karabuk University, Turkey |

| **Social, Clinical and Genomic Factors Associated with Obesity at 12 Months of Age** | **Personalizing Familial Risk Perception for Type 2 Diabetes** | **The Impact Of Predictive Genetic Testing For Cancer On Young Adults: Two Points Of View** |
| Kathi Huddleston¹, Sahel Hazrati¹, Elisabeth Klein¹, ¹Inova Translational Medicine Institute, Falls Church, VA, USA | Sandra Daack-Hirsch¹, Lisa Shah¹, Alyssa Cady¹, Katie Jones¹, Brenda Rocha¹, Amy Schumacher¹, ¹The University of Iowa College of Nursing, Iowa City, IA, USA | Lea Godino¹, Daniela Turchetti², Leigh Jackson¹, Catherine Hennessy¹, Heather Skilton², ²School of Nursing and Midwifery, Faculty of Health and Human Sciences, Plymouth University, Plymouth, UK, ³Unit of Medical Genetics, Department of Medical and Surgical Sciences, Policlinico Sant’Orsola-Malpighi, University of Bologna, Bologna, Emilia-Romagna, Italy |

| **Personalized Care from Birth: An Innovative Program of Pre-Emptive Pharmacogenomic Testing** | **Circulating MicroRNAs Associated with Fasting Blood Glucose In Adults at Risk For Type 2 Diabetes** | **Association Of Social Support With DRD4 And DAT Genes In Male Population 25-64 Years: WHO Program MONICA-Psychosocial Valery Gafarov¹, Elena Gromova¹, Dmitry Pano², Igor Gagulin¹, Almira Gafarov¹, ¹FSBI Institute of Internal and Preventive Medicine, Novosibirsk, Russia** |
| Kathi Huddleston¹, Elisabeth Klein¹, Susanne Haga², ¹Inova Translational Medicine Institute, Falls Church, VA, USA, ²Duke University School of Medicine, Durham, NC, USA | Elena Flowers¹, Isabel Elaine Allen¹, Alka Kanaya¹, ¹University of California, San Francisco, CA, USA | |

### 12:00PM – 12:20PM 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**

11AM – 11:20AM

- **Genetic And Cytokine Inflammatory Response Biomarkers Improve Prediction Of Early Birth Among Asymptomatic African American Women**
  - Shannon Gillespie¹, Lisa Christian¹, Alai Tan², Donna McCarthy², Cindy Anderson¹, ¹The Ohio State University, Columbus, OH, USA, ²Marquette University, Milwaukee, WI, USA

11:20AM – 11:40AM

- **Newborn Metabolic Screening: Past, Present and Future**
  - Sarah Viall¹, ¹Children’s National Health System, Washington, DC, USA

11:40AM – 12:00PM

- **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

### 12:20PM – 1:20PM Lunch and Networking

### 1:20PM – 2:20PM Poster Blitz Oral Presentations

(Posters are listed on pages 16-19)

<table>
<thead>
<tr>
<th>Family Centered Genetic Care</th>
<th>Genetic Disorders, Disease, and Pharmacogenomics</th>
<th>Genetic Education of Patients, Students and Clinicians</th>
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<tbody>
<tr>
<td>Posters 1-18</td>
<td>Posters 19-36</td>
<td>Posters 37-54</td>
</tr>
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</table>

### 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

<table>
<thead>
<tr>
<th>Education</th>
<th>Workforce/Practice</th>
<th>Treatment/Practice</th>
</tr>
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</table>
| **Misconceptions About Genomics Among Nursing Faculty And Students**  
Catherine Read\(^1\), Linda Ward\(^1\),  
\(^1\)Boston College, Chestnut Hill, MA, USA,  
\(^2\)Washington State University, Spokane, WA, USA  
| **The Development Of A Taiwan and US Agency for International Cooperation Program for Genetic Analysis of Racial Differences**  
Erica Yu\(^1\), Jennifer Sanner\(^2\), Min-Huey Chung\(^1\), Lorraine Frazier\(^1\),  
\(^1\)The University of Texas Health Science Center at Houston,  
\(^2\)Taipei Medical University, Taipei, Taiwan  
| **Provider Decision-Making Process Regarding Next Generation Sequencing**  
Audrey Tluczek\(^1\), Pilar Ossorio\(^2\), Sara Zoran\(^1\),  
Traci Snedden\(^1\), Cissy Ondoma\(^1\),  
\(^1\)University of Wisconsin School of Nursing, Madison, WI, USA,  
\(^2\)University of Wisconsin Law School, Madison, WI, USA,  
\(^1\)University of Wisconsin Genetics Counseling Program, Madison, WI, USA |
| **Designing An Undergraduate Genetic And Genomic Nursing Course Based On The Essential Competencies**  
Rebecca Kronk\(^1\),  
\(^1\)Duquesne University, Pittsburgh, PA, USA  
| **Building Capacity And Capability In The NHS For Genomic Medicine: A Coordinated Approach To Workforce Transformation**  
Michelle Bishop\(^1\), Anneke Seller\(^1\), Sue Hill\(^1\), Val Davison\(^1\),  
\(^1\)Genomics Education Programme, Birmingham, UK,  
\(^1\)Chief Scientific Officer, London, UK  
| **Examining the Evidence for Clinical Decision Support Tools for Genetic Testing**  
Mindy Tinkle\(^1\), Sandra Daack-Hirsch\(^2\),  
\(^1\)University of New Mexico, Albuquerque, New Mexico, USA,  
\(^2\)University of Iowa, Iowa City, IA, USA |
| **Applying Lessons Learned From Biology Education Research To Inform Genomic Nursing Education**  
Linda Ward\(^1\),  
\(^1\)Washington State University, Spokane, WA, USA  
| **An Integrative Review Of Nurses’ Knowledge, Skills, And Attitudes About Genetics**  
Memnun Seven\(^1\), Lisa L Shah\(^1\),  
\(^1\)University of Iowa, Iowa City, IA, USA,  
\(^1\)Koç University, Istanbul, Turkey  
| **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 Benjamin\(^1\), Lois Thomas\(^1\), Heather Skirton\(^2\), Shanna Gustafson\(^3\), Jacqueline Coupe\(^1\), Christine Patch\(^1\), Rachel Belk\(^2\), Svetlana Tishkovskaya\(^1\), Kathleen Calzone\(^1\), Katherine Payne\(^1\),  
\(^1\)College of Health and Wellbeing, University of Central Lancashire (UCLan), Preston, UK,  
\(^2\)Faculty of Health and Human Sciences, University of Plymouth, Plymouth, UK,  
\(^1\)Informed DNA, Saint Petersburg, Florida, USA,  
\(^1\)Department of Clinical Genetics, Guys and St. Thomas’ NHS Foundation Trust, London, UK,  
\(^1\)Manchester Centre for Genomic Medicine, St Mary’s Hospital, Manchester, UK,  
\(^1\)Centre for Cancer Research, Genetics Branch, National Cancer Institute, Bethesda, Maryland, USA,  
\(^1\)Manchester Centre for Health Economics, The University of Manchester, Manchester, UK |
| **The Integration of Genomics/Genetics Into A Nursing Curriculum: Enhancing Faculty Competence**  
Lisa Bashore\(^1\), Dennis Cheek\(^2\), Lynnette Howington\(^3\), Glenda Daniels\(^4\), Lori Borchers\(^4\),  
\(^1\)Texas Christian University, Fort Worth, TX, USA,  
\(^2\)Texas Christian University, Fort Worth, TX, USA,  
\(^3\)Texas Christian University, Fort Worth, TX, USA,  
\(^4\)Texas Christian University, Fort Worth, TX, USA  
| **Impact Of Genomic Education Within A Specialty Nursing Practice**  
Kelliann Fee-Schroeder\(^1\), Darcy Richardson\(^1\), Dawn Nelson\(^1\), Katherine Burbank\(^1\), Sharon Levey\(^1\), Marie Maningo-Salinas\(^1\),  
\(^1\)Mayo Clinic, Rochester, MN, USA  
| **Integrating Genetic Nurses Into The Individualized Medicine Clinic**  
Katherine Burbank\(^1\), Teresa Krusselbrink\(^1\),  
Tammy McAllister\(^1\), Carolyn Vitek\(^1\),  
\(^1\)Mayo Clinic, Rochester, MN, USA |
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.

ANCC
CancerGeneConnect
Duke University School of Nursing
Duquesne University School of Nursing
University of Pittsburgh School of Nursing
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

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.
# Integrated Genetics Across Nursing Practice

### 2016 ISONG World Congress • August 4-6, 2016 • Royal Marine Hotel, Dublin, Ireland

## Friday, August 5, 2016

### 8:55AM – 9:00AM  
**Announcements**

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

<table>
<thead>
<tr>
<th>Breast Cancer/Cancer</th>
<th>Women’s Health</th>
<th>Neuro/Multisystem</th>
</tr>
</thead>
</table>
| **When To Order Screening Breast MRI? Calculating Lifetime Risk For Breast Cancer Using The Tyrrer-Cuzick Model**  
Karlen E. Luthy1, Friez Seven1, Gülten Güvenc2, Gülsah Kök2,  
Greenville, SC, USA,  
2Greenwood Genetic Center, Greenwood, SC, USA,  
St Francis Cancer Center, Greenville, SC, USA  
1University of Michigan School of Nursing, Ann Arbor, MI, USA  
2Oregon Health and Science University, Portland, OR, USA  
3University of North Dakota, Grand Forks, ND, USA | **How Do Midwives Communicate Genetic Information?**  
Sophie John1, Maggie Kirk1, Ian Stuart-Hamilton1, Emma Tonkin1, Nicola Ralph1,  
1University of South Wales, South Wales, UK,  
2NHS Wales, Cwm Taf University Health Board, UK | **The Impact Of Dopamine, Serotonin, And BDNF Genotype On Long Term Outcomes After Aneurysmal Subarachnoid Hemorrhage**  
Ansley Stanfill1, Paula Sherwood1, Samuel Poloyac2, Elizabeth Crago1,  
1University of Pittsburgh, Pittsburgh, PA, USA,  
2Magee-Womens Research Institute, Pittsburgh, PA, USA | **The Impact Of Aromatase Genotypes On Long Term Outcomes After Aneurysmal Subarachnoid Hemorrhage**  
Elizabeth Crago1, Amy Wagner2, Paula Sherwood3, Samuel Poloyac2, Yvette Conley1,  
1University of Pittsburgh School of Nursing, Pittsburgh, PA, USA,  
2University of Pittsburgh School of Pharmacy, Pittsburgh, PA, USA | **Integrating Genetics Across Nursing Practice**  
2016 ISONG World Congress • August 4-6, 2016 • Royal Marine Hotel, Dublin, Ireland |

| **Collaborative Oncology Testing In Women At High Risk To Develop Breast Cancer**  
Julie Eggert1, Alka Chaubey2, Mike Friez2, Matt Tedder2, Sourat Darabi3,  
Katie Andrews2,  
Clemson University, Provo, UT, USA,  
2Greenwood Genetic Center, Greenwood, SC, USA,  
3St Francis Cancer Center, Greenville, SC, USA | **Endoglin Pathway Genetic Variation In Preeclampsia: A Replication Study In Norwegian And Latina Cohorts**  
Mandy Schmella1, James Roberts2,  
Yvette Conley1, Dianxu Ren1, Gro Stovrold3, Sue Ingles4, Melissa Wilson5, Annette Staff6, Carl Hubel7,  
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 | **The Role Of Neuroglobin Following Acute Stroke:A Systematic Review with Meta-Analysis**  
Pei-Ying Chuang1, Rachel Helbing1,  
1University of Texas Health Science Center at Houston, Houston, TX, USA,  
2Chang Gung University of Science and Technology, Chia-Yi, Taiwan, Taiwan | **LRRK2, GBA And SMPD1 Founder Mutations And Parkinson’s Disease In Ashkenazi Jews**  
Efrat Dagan1, Ilana Schlesinger2, Alina Kurolap3, Meeramar Ayoub1,  
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 |

| **Educational Needs and Knowledge Level Of Oncology Nurses In Genetics Regarding Hereditary Breast and Ovarian Cancer**  
Sevma Inciser Pasalak1, Memnun Seven1, Gülten Güvenc2, Gülşah Kök3,  
1Koç University, Istanbul, Turkey,  
2Gülhane Military Medical Academy, Ankara, Turkey | **Maternal Vitamin D Supplementation During Pregnancy and Lactation Alters the Maternal Epigenome: a Randomized Controlled Trial**  
Cindy Anderson1, Joyce Ohm2, Jody Ralph1, 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 | **The Role Of Neuroglobin Following Acute Stroke:A Systematic Review with Meta-Analysis**  
Pei-Ying Chuang1, Rachel Helbing1,  
1University of Texas Health Science Center at Houston, Houston, TX, USA,  
2Chang Gung University of Science and Technology, Chia-Yi, Taiwan, Taiwan |

| **The Influence Of Perceived And Actual Risk On Use Of Cancer Genetic Services In Women At Risk For Hereditary Breast Cancer**  
Chang Ming1, Christs 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 | **NIPSIGNEN Project: The Development And Validation Of Non-invasive Prenatal Testing (NIPD) For Single Gene Disorders**  
Julie Hewitt1, Stephanie Allen1,  
Michael Parkes1, Trevor Cole1, Denise Williams2, Mike Griffiths3,  
Fiona McDonald4, Siobhan Cleary1, Samuel Clokie1, Sam Court1,  
1Birmingham Women’s NHS Foundation Trust, Birmingham, UK,  
2Oregon Health and Science University, Portland, OR, USA,  
3University of North Dakota, Grand Forks, ND, USA,  
4University of Pennsylvania, Philadelphia, PA, USA | **The Role Of Neuroglobin Following Acute Stroke:A Systematic Review with Meta-Analysis**  
Pei-Ying Chuang1, Rachel Helbing1,  
1University of Texas Health Science Center at Houston, Houston, TX, USA,  
2Chang Gung University of Science and Technology, Chia-Yi, Taiwan, Taiwan | **LRRK2, GBA And SMPD1 Founder Mutations And Parkinson’s Disease In Ashkenazi Jews**  
Efrat Dagan1, Ilana Schlesinger2, Alina Kurolap3, Meeramar Ayoub1,  
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 |

### 10:20AM - 10:45AM  
**Refreshment Break / Visit Exhibits, Posters, and Raffle**
<table>
<thead>
<tr>
<th>Time</th>
<th>Breast Cancer/Cancer Abstract Sessions</th>
<th>Women’s Health Abstract Sessions</th>
<th>Neuro/Multisystem Abstract Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45AM – 12:05PM</td>
<td>Breast Cancer Risk Assessment: Evaluation Of Referral Tools For Genetic Consultation Deborah O. Himes, Maren L. Zaro, Mary Williams, Donna Freeborn, Dennis L. Eggert, Anita Y. Kinney, Brigham Young University, Provo, UT, USA, University of New Mexico Cancer Center &amp; Division of Epidemiology, Biostatistics and Prevention, Department of Internal Medicine, Albuquerque, NM, USA</td>
<td>Engaging Egg-Donor Conceived Children In Conversations About Their Genetic Origins: First Steps Martha Driessnack, Patricia Hershberger, OHSU, Portland, OR, USA, UIC, Chicago, IL, USA</td>
<td>Integrating Genetics Into The Development Of The First Perioperative Myectomy Pathway Katherine Beutner, Heidi Salisbury, Matthew Wheeler, Colleen Caleshie, Mitchel Pariani, Richard Ha, Stanford Hospital and Clinics, Stanford, CA, USA</td>
</tr>
<tr>
<td>11:45AM – 12:05PM</td>
<td>Exploring Diversity Across Cancer Genetic Clinical Practices Susan Montgomery, Tammy McKamie, Yvonne Hanhauser, Fox Chase Cancer Center, Philadelphia, PA, USA, CHRISTUS Health-Saint Michael Cancer Center, Texarkana, TX, USA, St. James Hospital, Dublin, Ireland</td>
<td>Differential Expression of Energy Metabolism Pathways Is Associated With Fatigue Severity After Chemotherapy In Individuals With Cancer Elena Flowers, Christine Miaskowski, Judy Mastick, Bruce Cooper, Steven Paul, Kord Kober, University of California, San Francisco, CA, USA</td>
<td>Using Social Network Analysis To Examine Family Communication About Genetic Cardiac Conditions Lisa Shah, University of Iowa College of Nursing, Iowa City, IA, USA</td>
</tr>
<tr>
<td>1:05AM – 11:25PM</td>
<td>Paternal Family History As A Risk Factor For Triple Negative Breast Cancer In African American Women Katie Edwards, Matthew Tedder, Julia Eggert, Clemson University, Clemson, SC, USA</td>
<td>Initial Findings From A Longitudinal Donor-Egg Kinship Study Patricia Hershberger, Martha Driessnack, Karen Kavanagh, Susan Klock, University of Illinois at Chicago, Chicago, Illinois, USA, Oregon Health &amp; Science University, Portland, Oregon, USA, Wayne State University, Detroit, Michigan, USA, Northwestern University, Chicago, IL, USA</td>
<td>Factors Associated With End-of-Life Planning In Huntington Disease Nancy Downing, Sena Chae, Siera Goodnight, Noelle Carlozzi, Texas A&amp;M University College of Nursing, Bryan, Texas, USA, University of Iowa College of Nursing, Iowa City, IA, USA, University of Michigan, Ann Arbor, MI, USA</td>
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</table>
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

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
1. **Developing A Pre-Appointment Video To Prepare New Families For Genetics Clinic Visit**
   Andrea Hartgraves1, Sarah Storhoff1, Edith Anyieni1, Tammy Fairbanks1, 1Seattle 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, 1Plymouth 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’Angelo1, Hiroshima University, Hiroshima, Japan, Hiroshima Bunkyo Women’s University, Hiroshima, Japan, 1Doi 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, 1Duke University, Durham, NC, USA, 2NC 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, 1University of Iowa College of Nursing, Iowa City, IA, USA, 2Eyerly Ball Community Mental Health Services, Des Moines, IA, USA

6. **New Genetic Frontier For Nurses: Addressing Mutations And VUSs**
   Sylvia S. Estrada1, Alexandria Meyer2, 1Cedars-Sinai Medical Center, Los Angeles, CA, USA, 2Ambry 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 Takahashi1, Shun-ichiro Izumi2, Ituro Inoue1, 1Department of Nursing, Tokai University School of Health Science, Isehara, Kanagawa, Japan, 2Department of Obstetrics and Gynecology, Tokai University School of Medicine, Isehara, Kanagawa, Japan, 1Division 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 Okawa2, Chikahro Nomaguchi3, Miyuki Nishida2, Ryou Hayashi1, 1Mie University, Mie, Japan, 2St. Luke’s International University, Tokyo, Japan, 3Miyazaki University, Miyazaki, Japan, 4Juntendo 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 Riel1, Anja van Rens1, 1Maastricht University Hospital, Maastricht, The Netherlands, 2University Hospital Utrecht, Utrecht, The Netherlands, 3Dutch Cancer Institute, Amsterdam, The Netherlands

10. **Vulnerable Population Research: Designing And Implementing A Microbiome Study Of Neonates**
    Elisabeth Klein1, Kathi Huddleston1, Suchitra Hourigan1, 1Inova 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, 1Universidad 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, 1Clemson University, Clemson, SC, USA, 2Department 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 Knaff1, Elyangela Duarte2, 1University of North Carolina, NC, USA, 2Federal 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, 1St. Jude Children’s Research Hospital, Memphis, TN, USA
<table>
<thead>
<tr>
<th>Posters</th>
</tr>
</thead>
</table>
| 15 | The Roles And Responsibilities Of Nurse In Relieving The Burden Of Genetic Disorders Due To Consanguineous Marriages  
Gizem Gul Yucedag 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 Germine Samples  
Stacy Hines-Dowell, DNP, AGN-BC 1, Kim Nichols, MD 1, James Downing, MD 2, Jinghui Zhang, PhD 1, Belinda Mandrell, PhD 1, Liza Johnson, MD 1, Chimene Kesserwan 1, Annastasia Ouma, MSN 1, Lynn Harrison, CCRP 1, Manish Kubal, MHA 1, St. Jude Children’s Research Hospital, Memphis, TN, USA |
| 17 | Incorporating Genomics Into The Work Of The Patient-Centered Medical Home (PCMH): An Adirondack Exemplar  
Karen Zanni 1, SUNY Empire State College, Saratoga Springs, NY, USA |
| 18 | Shifting Family Structure: Theoretical Perspectives Of Worldwide Population And Family Composition Changes  
Jennie Wagner 1, Mary Ann Freeman 1, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA, Pepperdine University, Moneteray, CA USA |
| 19 | Linked Lives And BRCA Testing In Younger Women  
Rebekah Hamilton 1, Rush University, Chicago, IL, USA |
| 20 | One Nurse’s Exemplary Story Of Advocating For The Use Of Pharmacogenomics  
Elizabeth Pestka 1, Catherine Shea 2, MaryLou Stambaugh 3, Mayo Clinic, Rochester, MN, USA, Mayo Clinic, Rochester, MN, USA, Mayo Clinic, Rochester, MN, USA |
| 21 | Development And Testing Of The BRCA Decision Aid  
Terri Jabaley Leonarcyzyk 1, Emmanuel College, Boston, MA, USA |
| 22 | Circadian Rhythm Genes Are Irregularly Expressed In Cystic Fibrosis, Potentially Causing Sleep Disruption  
Rebecca Darrah 1, Paul Litman 1, Eric Barbato 1, Case Western Reserve University, Cleveland, OH, USA |
| 23 | 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 Gallo 1, Diana Wilkie 2, Yingwei Yao 1, University of Illinois at Chicago, Chicago, IL, USA, University of Florida, Gainesville, FL, USA |
| 24 | Genotype To Phenotype Analysis Of Inflammatory Cytokines And Symptom Severity In Advanced Cancer  
Stephanie Gilbertson-White 1, University of Iowa, Iowa City, IA, USA |
| 25 | COMT Val518Met Polymorphism Influence On Effectiveness Of Comprehensive Symptom Management For Patients With Irritable Bowel Syndrome  
Margaret Heitkemper 1, Claire Han 1, Sangeun Jun 2, Kevin Cain 1, Robert Burt 3, Jasmine Zia 4, Monica Jarrett 1, Dept. of Biobehavioral Nursing and Health Systems, University of Washington, Seattle, WA, USA, Keimyung University, College of Nursing, Daegu, Republic of Korea, Dept. of Biostatistics and Office of Nursing Research, University of Washington, Seattle, WA, USA, University of Washington, Medical Center, Seattle, WA, USA |
| 26 | Literature Analysis Of Antidepressant Efficacy In Non-White Hispanic Populations  
Jacob Martin 1, Lauren Palermo 1, Lindsay Ratner 1, Emily Smail 1, Julia Eggert 1, Bohua (Angela) Wu 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 Corrigan 1, Stephanie Gilbertson-White 1, Michael Schnieders 1, University of Iowa, Iowa City, IA, USA |
| 28 | Implementation Of The B-RST Screening Tool For BRCA Mutations At A Federally Qualified Health Center  
Nicole Seagriff 1, Jennifer Dungan 2, Ann Maradiegue 3, The Community Health Center, Norwalk, CT, USA, Duke University School of Nursing, Durham, NC, USA, James Madison University, Harrisonburg, VA, USA |
| 29 | Gene x Environment Interactions In Postpartum Depression: A Novel Biobehavioral Transactional Model  
Sharon Ruyak 1, University of New Mexico, Albuquerque, NM, USA |
30 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 Northouse5, Maria Katapodi5
1Institut of Nursing Science, University of Basel, Basel, Switzerland, 2School of Health Fribourg University of Applied Sciences and Arts Western, Fribourg, Switzerland, 3Institute of Higher Education and Research in Nursing, University of Lausanne, Lausanne, Switzerland, 4University of Michigan School of Nursing, MI, USA

31 Contemplating Growing Older With Cystic Fibrosis (CF): The Experiences of Adult CF Patients Taking Ivacaftor, A New Treatment
Amy Watford6, Marion McAllister1, Prosser Alison2, Catherine O’Leary6, Marion McAllister1, Prosser Alison2, Catherine O’Leary6
1Cardiff University, Cardiff, UK, 2Cardiff & Vale University Health Board, All Wales Adult CF Centre, Cardiff, UK

32 Effects Of Ethnicity And Breastfeeding On Aggressive Breast Cancer Phenotype
Julia Eggert1, Katherine Coggins1, Callie Wingo1, Catherine O’Leary6, Marion McAllister1, Prosser Alison2, Catherine O’Leary6
1Clemson University, Clemson, SC, USA

33 Pharmacogenetics Guidelines For Management of Sickle Cell Disease Comorbidities
Cheedy Jaja1, Tiffiny Diers1, Dr. Hyon Kim1, Changchun Xie1, 1University of Cincinnati, Cincinnati, OH, USA

34 Adapting The Need-Driven Dementia-Compromised Behavior Model To Advance The Study Of Genotype-Phenotype Correlations
Emilie Goris1, 1Hope College, Holland, MI, USA

35 A Model For Investigating Interactions Between Genetics, Lifestyle Behaviors, And Pregnancy-Induced Hypertension
McKenzie Wallace1, 1Case Western Reserve University, Cleveland, OH, USA

36 Knowledge, Attitudes, And Intention Toward Genetic Testing In Breast Cancer Patients With High Risk Of Hereditary Breast Cancer
Hye-Mi Park3, Sangeun Jun6, 1Breast Cancer Center, Chilgok Kyungpook National University Medical Center, Daegu, Republic of Korea, 2College of Nursing, Keimyung University, Daegu, Republic of Korea

37 Nursing Genetics And Genomics: The International Society Of Nurses In Genetics (ISONG) Survey
Kathleen Hickey1, Taura Barr2, Maria Katapodi3, Nicole Hauser1, James Jackson1, Jane Rafferty3, Toni Antonucci4, Haomiao Jia1, Teresa Riga1, Laura Valent3, Jacquelyn Taylor3, 1Columbia University School of Nursing, New York, NY, USA, 2West Virginia University School of Nursing, Morgantown, WV, USA, 3University of Basel, Basel, Switzerland, 4University of Michigan, Ann Arbor, MI, USA, 3University of Michigan, Ann Arbor, MI, USA

38 Perceived Genetic Knowledge Among Pre-Licensure Undergraduate Nursing Students
Leighsa Sharoff1, 1Hunter College, New York, NY, USA

39 New Zealand Undergraduate Nursing Students Knowledge And Understanding Of DOHaD (Developmental Origins of Health and Disease)
Anecita Gigi Lim1, 1University of Auckland, Auckland, New Zealand

40 Facilitating Genomics Content In Curriculum: Be A Tour Guide
Michelle Kelly1, 1Villanova University, College of Nursing, Villanova, PA, USA

41 A Flipped Classroom Model For Delivering Genetics And Genomics Nursing Education
Kelliann Fee-Schroeder1, Darcy Richardson1, Dawn Nelson1, Katherine Burbank1, 1Mayo Clinic, Rochester, MN, USA

42 Dissemination Research: Moving Genetic, Genomic, And Epigenetic Knowledge Into Practice
Jane Garvin1, Amber McCall1, 1Augusta University, Augusta, GA, USA

43 Evaluation Of The Genetic Nursing Education Program Of Familiar Amyloid Polyneuropathy
Hiromi Kawasaki1, Chieko Kukinaka2, Satoko Nakagomi3, 1Hiroshima University, Hiroshima, Japan, 2Kumamoto University, Kumamoto, Japan, 3Yamanashi University, Yamanashi, Japan

44 Developing A Continuing Education Program Of Clinical Genetic And Genomic Nursing For Advanced Practice Registered Nurses In Japan
Satoko Nakagomi1, Hiroko Asano1, Chieko Kukinaka1, Chikaho Nomaguchi1, Noriko Sasaki1, Yuka Ozasa1, Yuko Takeda1, 1University of Yamanashi, Chuo, Yamanashi, Japan
45
A Literature Review Of Genetic Nursing Competences
Akiko Terashima1, Naoko Arimori2, National Rehabilitation Center for Children with Disabilities, Tokyo, Japan, 'Niigata University, Niigata, Japan

46
Participant Understanding Of Biobanking Genetic Material For Translational Research: Implications For Obtaining Informed Consent
Jennifer Sanner1, Mary Hall1, Joan Engebretson1, Ty Hoover2, University of Texas Health Science Center at Houston School of Nursing, Houston, TX, USA, 'The University of Texas M.D. Anderson Cancer Center, Houston, TX, USA

47
Genetics Nursing Education In Japanese Graduate Schools
Hiroko Susaka1, Naoko Arimori2, 'Teikyo Heisei University, Tokyo, Japan, 'Niigata University, Niigata, Japan

48
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, University of Virginia, Charlottesville, VA, USA

49
The Knowledge And Attitude Of Dentistry Students Towards Genetic Counselling And Nurses In Genetics
Fulya Tekşen1, 'Ankara University, Faculty of Medicine, Medical Biology Department, Ankara, Sıhhiye, Turkey

50
Integrating Genetics And Genomics In Community Health Nursing
Judith Jarosinski1, Voncelia Brown1, Tina Reid1, Salisbury University, Salisbury, MD, USA

51
Adaptation And Psychometric Testing Of The Genomic Nursing Concept Inventory
Memnun Seven1, Eda Sahin2, Gulhane Guvenc2, Linda D. Ward3, Sandra Daack Hirsch1, Koc University, Istanbul, Turkey, 'Gulhane Military Medical Academy, Ankara, Turkey, 'University of Iowa, Iowa City, IA, USA, 'Washington State University, Spokane, WA, USA

52
Implementation Of An Ethical, Legal And Social Implications-Based BSN Genetics And Genomics Course: A Curricular Quality Improvement
Susan B. Dickey1, Temple University, Philadelphia, PA, USA

53
Using The Scholarship Of Teaching And Learning Approach To Re-design A Human Genetics And Genomics Course For Undergraduate Nursing Students
Susan Wesmiller1, Mandy Schmella1, Janice Dorman1, University of Pittsburgh, PA, USA

54
International Nursing Research And Education Collaborations: Challenges And Opportunities
Marcia Van Riper1, University of North Carolina, Chapel Hill, NC, USA

55
Transcriptional Profiling Of Dogs As A Model For Human Non-Hodgkin’s Lymphomas
Jennie Rowell1, Jie Zhang1, Joelle Fenger1, William Kisseberth1, 'Ohio State University, Columbus, OH, USA
In recognition of dedication in the planning of the 2016 ISONG World Congress

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The University of Scranton
Scranton, Pennsylvania USA

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Pocatello, Idaho USA

Sue W. Wesmiller, PhD, RN
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