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

Susan 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 members 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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<tr>
<td>ISONG Member Registration</td>
<td>$495.00 USD</td>
<td>$113.85 USD</td>
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<td>Poster/Podium Presenter Registration</td>
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<td>Student Registration (Full-time Students with ID)</td>
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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

**Paying for Congress Registrations**

Please note: you may register for the Congress and pay later (preferably by July 30th.) If you have any questions regarding this option contact ISONG at linda@isong.org.

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 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.
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.

Limited rooms are available at the Royal Marine Hotel. Rooms and rates are on an availability basis. Please secure a hotel reservation as soon as possible.

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)

Reservations: As noted above – limited rooms are available at the Royal Marine Hotel. 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 (the special rate is on an availability basis.) 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.

Limited rooms are available at The Haddington Hotel. The reservation cut-off date has passed therefore rooms and rates are on an availability basis.

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)

Reservations: As noted above – limited rooms are available at The Haddington Hotel (the special rate is on an availability basis.) 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.

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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<tr>
<td>Genetic And Cytokine Inflammatory Response Biomarkers Improve Prediction Of Early Birth Among Asymptomatic African American Women</td>
<td>Precision Nutrition: Individual Differences in Children Detection Thresholds, Sugar Consumption and Obesity</td>
<td>Trauma and Genetics: A Classical Twin Study Of Young Women’s Health Following Teen Dating Violence</td>
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<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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| 2:20PM – 3:10PM  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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<tr>
<td>Posters 1-18</td>
<td>Posters 19-36</td>
<td>Posters 37-52</td>
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</table>

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

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

2:20PM – 3:10PM  Refreshment Break / Visit Exhibits, Posters, and Raffle

Designated Poster authors will be available for questions and review at their posters.
<table>
<thead>
<tr>
<th>Time</th>
<th>Education</th>
<th>Workforce/Practice</th>
<th>Treatment/Practice</th>
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<tbody>
<tr>
<td>3:10PM – 4:30PM</td>
<td>Misconceptions About Genomics Among Nursing Faculty And Students</td>
<td>The Development Of A Taiwan and US Agency for International Cooperation Program for Genetic Analysis of Racial Differences</td>
<td>Provider Decision-Making Process Regarding Next Generation Sequencing</td>
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<td></td>
<td>Catherine Read¹, Linda Ward¹, 'Boston College, Chestnut Hill, MA, USA, 'Washington State University, Spokane, WA, USA</td>
<td>Erica Yu¹, Jennifer Sanner¹, Min-Huey Chung², Lorraine Frazier¹, 'The University of Texas Health Science Center at Houston, Houston, TX, USA, 'Taipei Medical University, Taipei, Taiwan</td>
<td>Audrey Thuczek¹, Pilar Ossorio², Sara Zoran¹, Traci Snedden¹, Cissy Ondoma¹, 'University of Wisconsin School of Nursing, Madison, WI, USA, 'University of Wisconsin Law School, Madison, WI, USA, 'University of Wisconsin Genetics Counseling Program, Madison, WI, USA</td>
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<td>Unique Characteristics And The Factors Associated With These Misconceptions</td>
<td>Building Capacity And Capability In The NHS For Genomic Medicine: A Coordinated Approach To Workforce Transformation</td>
<td>Examining the Evidence for Clinical Decision Support Tools for Genetic Testing</td>
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<td>Rebecca Kronk¹, 'Duquesne University, Pittsburgh, PA, USA</td>
<td>Michelle Bishop¹, Anneke Seller¹, Sue Hill², Val Davison¹, 'Genomics Education Programme, Birmingham, UK, 'Chief Scientific Officer, London, UK</td>
<td>Mindy Tinkle¹, Sandra Dack-Hirsch², 'University of New Mexico, Albuquerque New Mexico, USA, 'University of Iowa, Iowa City, IA, USA</td>
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<td></td>
<td>Applying Lessons Learned From Biology Education Research To Inform Genomic Nursing Education</td>
<td>An Integrative Review Of Nurses’ Knowledge, Skills, And Attitudes About Genetics</td>
<td>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</td>
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<td>Linda Ward¹, 'Washington State University, Spokane, WA, USA</td>
<td>Memunun Seven², Lisa L Shah¹, 'University of Iowa, Iowa City, IA, USA, 'Koç University, Istanbul, Turkey</td>
<td>Caroline Benjamin¹, Lois Thomas¹, Heather Skirton², Shanna Gustafson¹, Jacqueline Coupe¹, Christine Patch¹, Rachel Belk², Svetlana Tishkovskaya¹, Kathleen Calzone¹, Katherine Payne¹, 'College of Health and Wellbeing, University of Central Lancashire (UCLan), Preston, UK, 'Faculty of Health and Human Sciences, University of Plymouth, Plymouth, UK, 'Informed DNA, Saint Petersburg, Florida, USA, 'Department of Clinical Genetics, Guys and St. Thomas’ NHS Foundation Trust, London, UK, 'Manchester Centre for Genomic Medicine, St Mary’s Hospital, Manchester, UK, 'Centre for Cancer Research, Genetics Branch, National Cancer Institute, Bethesda, Maryland, USA, 'Manchester Centre for Health Economics, The University of Manchester, Manchester, UK</td>
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<td>The Integration of Genomics/Genetics Into A Nursing Curriculum: Enhancing Faculty Competence</td>
<td>Impact Of Genomic Education Within A Specialty Nursing Practice</td>
<td>Integrating Genetic Nurses Into The Individualized Medicine Clinic</td>
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<td>Lori Borchers¹, Lisa Bashore¹, Dennis Cheek², Lynnette Howington³, Glenda Daniele⁴, 'Texas Christian University, Fort Worth, TX, USA, 'Texas Christian University, Fort Worth, TX, USA, 'Texas Christian University, Fort Worth, TX, USA, 'Texas Christian University, Fort Worth, TX, USA</td>
<td>Kelliani Fee-Schroeder¹, Darcy Richardson¹, Dawn Nelson¹, Katherine Burbank¹, Sharon Levey¹, Marie Maningo-Salinas¹, 'Mayo Clinic, Rochester, MN, USA</td>
<td>Katherine Burbank¹, Teresa Krusseblirnk¹, Tammy McAllister¹, Carolyn Vitek¹, 'Mayo Clinic, Rochester, MN, USA</td>
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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.*

5:15PM – 6:15PM  
**ISONG Business Meeting**  
This is an exciting time to hear updates about our organization, committee reports and the goals of ISONG for the coming year - please join us!

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

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**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

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.
<table>
<thead>
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<th>Time</th>
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<tbody>
<tr>
<td>8:55AM – 9:00AM</td>
<td>Announcements</td>
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<tr>
<td>9:00AM – 10:20AM</td>
<td>Abstract Sessions</td>
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<td><strong>Breast Cancer/Cancer</strong></td>
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<td>When To Order Screening Breast MRI? Calculating Lifetime Risk For Breast Cancer Using The Tyrer-Cuzick Model</td>
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<td></td>
<td>Deborah O. Himes, Aubri Root, Karlen E. Luthy, Emily Hamitlon, Emma Tonkin, Nicola Ralph, University of South Wales, South Wales, UK, NHS Wales, Cwm Taf University Health Board, UK</td>
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<td><strong>Women’s Health</strong></td>
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<td>How Do Midwives Communicate Genetic Information?</td>
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<td>Sophie John, Maggie Kirk, Ian Stuart-Hamilton, Emma Tonkin, Nicola Ralph, University of South Wales, South Wales, UK, NHS Wales, Cwm Taf University Health Board, UK</td>
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<td><strong>Neuro/Multisystem</strong></td>
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<td>The Impact Of Dopamine, Serotonin, And BDNF Genotype On Long Term Outcomes After Aneurysmal Subarachnoid Hemorrhage</td>
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<td>Ansley Stanfill, Paula Sherwood, Samuel Poloyac, Elizabeth Crago, Yvette Conley, University of Pittsburgh, Pittsburgh, PA, USA</td>
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<tr>
<td>10:20AM – 10:45AM</td>
<td>Refreshment Break / Visit Exhibits, Posters, and Raffle</td>
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### Friday, August 5, 2016

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

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<tr>
<th>Time</th>
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<th>Neuro/Multisystem</th>
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<tr>
<td>10:45AM – 12:55PM</td>
<td><strong>Breast Cancer Risk Assessment:</strong> Evaluation Of Referral Tools For Genetic Consultation&lt;br&gt;Deborah O. Himes¹, Maren L. Zaro¹, Mary Williams¹, Donna Freeborn¹, Dennis L. Eggett¹, Anita Y. Kinney², ³Brigham Young University, Provo, UT, USA, ²University of New Mexico Cancer Center &amp; Division of Epidemiology, Biostatistics and Prevention, Department of Internal Medicine, Albuquerque, NM, USA. <strong>Engaging Egg-Donor Conceived Children In Conversations About Their Genetic Origins: First Steps</strong>&lt;br&gt;Martha Driessnack¹, Patricia Hershbergerª, OHUS, Portland, OR, USA, ¹UIC, Chicago, IL, USA. <strong>Integrating Genetics Into The Development Of The First Perioperative Myectomy Pathway</strong>&lt;br&gt;Katherine Beutner⁴, Heidi Salisbury⁴, Matthew Wheeler⁴, Colleen Caleshine⁴, Mitchel Pariani⁴, Richard Ha⁴, ¹Stanford Hospital and Clinics, Stanford, CA, USA.</td>
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<td>11:05AM – 11:25PM</td>
<td><strong>Variant Reclassification in Cancer Genetic Testing: Are Genetic Counsellors Prepared? A Review Of Current Practices</strong>&lt;br&gt;Niamh White¹, Brook White², Karen Brooks², Cristi Radford⁴, ³Wessex Clinical Genetics Service, University Hospital Southampton, Southampton, UK, ²Carolina Medical Centre, Charlotte, North Carolina, USA, ¹South Carolina Oncology Associates, Columbia, South Carolina, USA, ¹Invitae, San Francisco, CA, USA. <strong>Risk Of Multinodular Goiter And Thyroid Cancer In The DICER1 Syndrome</strong>&lt;br&gt;Laura A. Harney¹, Ann G. Carr¹, Ron G. Kase¹, Rosamma M. Decastro², Nicholas E. Khan³, Andrew J. Bauer³, Alexander Ling³, Anne K. Harris³, Gretchen M. Williams³, Kris Ann P. Schultz³, Louis P. Dehner⁴, Yoav H. Messinger⁴, D. Ashley Hill⁴, Douglas R. Stewart⁴, ³Westat, Inc., Rockville, MD, USA, ²Clinical Genetics Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Rockville, MD, USA, ¹Children’s Hospital of Philadelphia, Philadelphia, PA, USA, ³NIH Clinical Center, Bethesda, MD, USA, ³Children’s Hospitals and Clinics of Minnesota, Minneapolis, MN, USA, ³International PPB Registry, Minneapolis, MN, USA, ³International Ovarian and Testicular Stromal Tumor Registry, Minneapolis, MN, USA, ³Washington University, Minneapolis, MN, USA, ³Children’s National Medical Center, Washington, DC, USA. <strong>Lack of Association of CYP2B6*6 And GRIN2B Alleles With Ketamine Induced Emergence Phenomena: A pilot Study</strong>&lt;br&gt;Edwin Aroke¹, Jennifer Dungan², ¹University of Massachusetts, Worcester, MA, USA, ²Duke University, Durham, NC, USA.</td>
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<td>11:25AM – 11:45AM</td>
<td><strong>Exploring Diversity Across Cancer Genetic Clinical Practices</strong>&lt;br&gt;Susan Montgomery¹, Tammy McKamie², Yvonne Hanhauser¹, ³Fox Chase Cancer Center, Philadelphia, PA, USA, ²CHRISTUS Health-Saint Michael Cancer Center, Texarkana, TX, USA, ¹St. James Hospital, Dublin, Ireland. <strong>Differential Expression of Energy Metabolism Pathways Is Associated With Fatigue Severity After Chemotherapy In Individuals With Cancer</strong>&lt;br&gt;Elena Flowers¹, Christine Miaskowski¹, Judy Mastick¹, Bruce Cooper¹, Steven Paul¹, Kord Kober¹, ¹University of California, San Francisco, CA, USA. <strong>Using Social Network Analysis To Examine Family Communication About Genetic Cardiac Conditions</strong>&lt;br&gt;Lisa Shah¹, ¹University of Iowa College of Nursing, Iowa City, IA, USA.</td>
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<td>11:45AM – 12:05PM</td>
<td><strong>Paternal Family History As A Risk Factor For Triple Negative Breast Cancer In African American Women</strong>&lt;br&gt;Katie Edwards¹, Matthew Tedder¹, Julia Eggert¹, ³Clemson University, Clemson, SC, USA. <strong>Initial Findings From A Longitudinal Donor-Egg Kinship Study</strong>&lt;br&gt;Patricia Hershberger¹, Martha Driessnack¹, Karen Kavanagh¹, Susan Klock¹, ³University of Illinois at Chicago, Chicago, Illinois, USA, ²Oregon Health &amp; Science University, Portland, Oregon, USA, ³Wayne State University, Detroit, Michigan, USA, ¹Northwestern University, Chicago, IL, USA. <strong>Factors Associated With End-of-Life Planning In Huntington Disease</strong>&lt;br&gt;Nancy Downing¹, Sena Chae², Siera Goodnight³, Noelle Carlozzi³, ¹Texas A&amp;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.</td>
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**Friday, August 5, 2016**

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<th>Time</th>
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<tr>
<td>12:05PM – 1:15PM</td>
<td><strong>Lunch and Networking</strong></td>
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<td>1:15PM – 2:00PM</td>
<td><strong>Keynote Presentation</strong></td>
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<td><strong>Personalised Medicine: Current State and Prospects for the Future</strong></td>
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<td>Lauren Walker, BSc (Hons), MBChB (Hons), PhD</td>
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<td>Academic Clinical Lecturer</td>
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<td>Clinical Pharmacology and Therapeutics</td>
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<td>National Institute for Health Research</td>
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<td>The Wolfson Centre for Personalised Medicine</td>
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<td>University of Liverpool</td>
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<td>2:00PM – 2:30PM</td>
<td><strong>Awards Presentations</strong></td>
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<td>2:30PM - 3:00PM</td>
<td><strong>Refreshment Break / Visit Exhibits, Posters, and Raffle</strong></td>
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<td>Designated Poster authors will be available for questions and review</td>
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<tr>
<td>3:00PM – 3:45PM</td>
<td><strong>Communicating Genetic Information in British Sign Language (BSL)</strong></td>
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<td>Rachel Belk, MSc, BSc</td>
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<td>School of Nursing, Midwifery and Social Work</td>
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<td>Manchester Centre for Genomic Medicine</td>
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<td>Institute of Human Development</td>
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<td>3:45PM – 4:20PM</td>
<td><strong>The Genetic Diabetes Nurse Project: an Educational Model</strong></td>
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<td>Maggie Shepherd, RGN, PhD</td>
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<td>Honorary Clinical Professor</td>
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<td>University of Exeter Medical School</td>
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<td>4:20PM – 5:05PM</td>
<td><strong>The Role of the Clinical Midwife Specialist in the Integration of</strong></td>
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<td><strong>Fetal Medicine and Medical Genetics</strong></td>
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<td>Jane Dalrymple</td>
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<td>Clinical Midwife Specialist in Fetal Medicine</td>
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<td>Fetal Medicine Unit</td>
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<td>Rotunda Hospital</td>
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<td>Dublin, Ireland</td>
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<td>5:05PM – 5:35PM</td>
<td><strong>Poster Session</strong></td>
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<td>5:35PM – 6:00PM</td>
<td><strong>ISONG Raffle Drawing</strong></td>
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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 Storhoff2, Edith Anyieni1, Tammy Fairbanks3, 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, 1Hiroshima University, Hiroshima, Japan, 2Hiroshima Bunkyo Women’s University, Hiroshima, Japan, 3Doi 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 Hallmaier1, 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 Jonoi, Mayumi Ikeuchi1, Sachiko Mori1, Reiko Inoue1, Kazumi Takahashi2, Shun-ichiro Izumi2, Ituro Inoue3, 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, 3Division 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 Hayashi5, 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 Temple1, Jeffrey Craig2, 1Inova Translational Medicine Institute, Falls Church, VA, 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 Knaf1, Elysangela 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>
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<th>Posters</th>
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| **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, PhD², Liza Johnson, MD³, Chimene Kesserwan⁴,  
Annastasia Ouma, MSN⁴, Lynn Harrison, CCRP⁴, Manish Kubal, MHA⁴, ¹St. Jude Children’s Research Hospital, Memphis, TN, USA  |
| **24** | Genotype To Phenotype Analysis Of Inflammatory Cytokines And Symptom Severity In Advanced Cancer  
Stephanie Gilbertson-White⁵, ¹University of Iowa, Iowa City, IA, USA  |
| **25** | COMT Val158Met 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 Jarrett⁵, ¹Dept. of Biobehavioral Nursing and Health Systems, University of Washington, Seattle, WA, USA, ²Keimyung University, College of Nursing, Keimyung, Daegu, Republic of Korea, ³Dept. of Biostatistics and Office of Nursing Research, University of Washington, Seattle, WA, USA, ⁴University of Washington, Medical Center, Seattle, WA, USA  |
| **26** | Literature Analysis Of Antidepressant Efficacy In Non-White Hispanic Populations  
Jacob Martin¹, Lauren Palermo¹, Lindsay Ratner¹, Emily Smail¹, Julia Eggert¹, Bohua (Angela) Wu¹, ¹Clemson 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, ¹University of Iowa, Iowa City, IA, USA  |
| **28** | Implementation Of The B-RST Screening Tool For BRCA Mutations At A Federally Qualified Health Center  
Nicole Seagriff³, Jennifer Dungan⁵, Ann Maradiegue³, ¹The Community Health Center, Norwalk, CT, USA, ²Duke University School of Nursing, Durham, NC, USA, ³James Madison University, Harrisonburg, VA, USA  |
| **29** | Gene x Environment Interactions In Postpartum Depression: A Novel Biobehavioral Transactional Model  
Sharon Ruyak¹, ¹University 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-Vicor³, Laurel Northouse⁴, Maria Katapodi⁴, 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 Effects Of Ethnicity And Breastfeeding On Aggressive Breast Cancer Phenotype
Julia Eggert¹, Katherine Coggins¹, Anna Few², Callie Wingo¹, ¹Clemson University, Clemson, SC, USA

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

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

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

35 Knowledge, Attitudes, And Intention Toward Genetic Testing In Breast Cancer Patients With High Risk Of Hereditary Breast Cancer
Hye-Mi Park¹, Sangeun Jun¹, ¹Breast Cancer Center, Chilgok Kyungpook National University Medical Center, Daegu, Republic of Korea, ²College of Nursing, Keimyung University, Daegu, Republic of Korea

36 Nursing Genetics And Genomics: The International Society Of Nurses In Genetics (ISONG) Survey
Kathleen Hickey¹, Taura Barr², Maria Katapodi¹, Nicole Hauser³, James Jackson⁴, Jane Rafferty⁴, Toni Antonucci⁴, Haomiao Jia¹, Teresa Riga¹, Laura Valente¹, 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, Switzerland, ⁴University of Michigan, Ann Arbor, MI, USA, ⁵Yale University School of Nursing, Orange, CT, USA

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

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

39 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

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

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

42 Developing A Continuing Education Program Of Clinical Genetic And Genomic Nursing For Advanced Practice Registered Nurses In Japan
Satoko Nakagomi¹, Hiroko Asano¹, Chieko Kukinaka¹, Chikako Nomaguchi¹, Noriko Sasaki¹, Yuko Ozasa¹, Yuka Takeda¹, ¹University of Yamanashi, Chuo, Yamanashi, Japan

43 A Literature Review Of Genetic Nursing Competences
Akiko Terashima¹, Naoko Arimori², ¹National Rehabilitation Center for Children with Disabilities, Tokyo, Japan, ²Niigata University, Niigata, Japan

44 Participant Understanding Of Biobanking Genetic Material For Translational Research: Implications For Obtaining Informed Consent
Jennifer Sanner¹, Mary Hall¹, Joan Engebretson¹, Ty Hoover², ¹The University of Texas Health Science Center at Houston School of Nursing, Houston, TX, USA, ²The University of Texas M.D. Anderson Cancer Center, Houston, TX, USA
Posters

45 Genetics Nursing Education In Japanese Graduate Schools
Hiroko Susaka¹, Naoko Arimori², ¹Teikyo Heisei University, Tokyo, Japan, ²Niigata University, Niigata, Japan

46 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, ¹University of Virginia, Charlottesville, VA, USA

47 The Knowledge And Attitude Of Dentistry Students Towards Genetic Counselling And Nurses In Genetics
Fulya Tekșen¹, ¹Ankara University, Faculty of Medicine, Medical Biology Department, Ankara, Sıhhiye, Turkey

48 Integrating Genetics And Genomics In Community Health Nursing
Judith Jarosinski¹, Voncelia Brown¹, Tina Reid¹, ¹Salisbury University, Salisbury, MD, USA

49 Adaptation And Psychometric Testing Of The Genomic Nursing Concept Inventory
Memnun Seven¹, Eda Sahin², Gulten Guvenc³, Linda D. Ward¹, Sandra Daack Hirsch¹, ¹Koc University, Istanbul, Turkey, ²Gulhane Military Medical Academy, Ankara, Turkey, ³University of Iowa, Iowa City, IA, USA, ⁴Washington State University, Spokane, WA, USA

50 Implementation Of An Ethical, Legal And Social Implications-Based BSN Genetics And Genomics Course: A Curricular Quality Improvement
Susan B. Dickey¹, ¹Temple University, Philadelphia, PA, USA

51 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, ¹University of Pittsburgh, PA, USA

52 International Nursing Research And Education Collaborations: Challenges And Opportunities
Marcia Van Riper¹, ¹University of North Carolina, Chapel Hill, NC, USA

53 Transcriptional Profiling Of Dogs As A Model For Human Non-Hodgkin’s Lymphomas
Jennie Rowell¹, Jie Zhang¹, Joelle Fenger¹, William Kisseberth¹, ¹The Ohio State University, Columbus, OH, USA

54 Contemplating Growing Older With Cystic Fibrosis (CF): The Experiences Of Adult CF Patients Taking Ivacaftor, A New Treatment
Amy Watford¹, Marion McAllister¹, Prosser Alison², Catherine O’Leary², Samantha Phillips³, Ian Ketchell², Rachel Belk⁴, ¹Cardiff University, Cardiff, UK, ²Cardiff & Vale University Health Board, All Wales Adult CF Centre, Cardiff, UK, ³University Hospitals Bristol NHS Foundation Trust, Bristol, UK, ⁴University of Manchester, Manchester, UK
In recognition of dedication in the planning of the 2016 ISONG World Congress

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