Epigenetics Across the Life Span

Congress Brochure

2015 ISONG World Congress
November 6-8, 2015
Omni William Penn Hotel, Pittsburgh, Pennsylvania USA
Invitation

On behalf of the 2015 International Society of Nurses in Genetics (ISONG) World Congress Planning Committee and the Board of Directors, we invite you to participate in a unique educational opportunity offered by ISONG to learn more about epigenetics and genomics in the areas of research, practice and education. You will also have the opportunity to meet and network with other nurses and advanced practice nurses who share a deep interest in genetics and genomics.

In keeping with the mission of ISONG to foster scientific discovery and professional growth in human genetics and genomics worldwide, the focus of the 2015 ISONG World Congress is “Epigenetics Across the Life Span.” This two and a half day congress is representative of the significant gains in genetic and genomic research, the application of these findings, and the implication of genetic and genomic content in nursing education. Presentations by Keynote, Plenary, and Invited speakers will address specific aspects of epigenetics and its implications to health.

In an effort to meet the following objectives, our speakers will represent areas of public health, post traumatic brain injury and post-traumatic stress disorder, population genetics and accelerated translation, parental and environmental influences on infant and mental health, bioethics, obesity and aging, neurology, pain, cardiovascular disease, metabolic disorders, pediatrics, and utilization of large multi-omic data sets and bio-bank samples.

The 2015 ISONG Congress will help attendees to:
• To define epigenetics and how it relates to human health.
• To understand epigenetics and its impact across the life span.
• To examine environmental influences on epigenetics and gene expression with respect to multifactorial health conditions.
• To correlate the role of therapeutic intervention as it relates to epigenetics.

In addition, abstract presentations will address specialty areas in practice, research and education in genetics and genomics. An international panel discussion will present aspects of how genetics and genomics is incorporated into nursing education. A new feature for this year’s World Congress is the “Poster Blitz” session that provides an opportunity for selected poster presenters to briefly describe their posters to all ISONG Congress attendees as well as being available for a discussion during the poster session.

We value our Congress sponsors and encourage you to please visit their booths and thank them for their support.

We look forward to seeing all of you in Pittsburgh in November for this exciting educational opportunity offering a weekend of learning, fun and fellowship!

Sincerely,
Kim Subasic, PhD, RN
Congress Co-Chair

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

Pittsburgh, the “City of Bridges,” welcomes you with a surprising entrance that showcases its three rivers leading to the Golden Triangle downtown. The city is not only defined by its skyline and its sports teams, but by its vibrant culture. Picturesque neighborhoods are nestled in the sloped hills and present many views of the city skyline. Pittsburgh has made great strides in retaining its history as well as offering new and exciting shopping and restaurant areas for tourists.

Pittsburgh boasts many cultural institutions including the Carnegie Mellon Museum, Heinz Regional History Center, Frick Museum, Nationality Classrooms at the University of Pittsburgh’s Cathedral of Learning and the world renowned Andy Warhol Museum. The new Pittsburgh economy is largely based on finance, healthcare, education and technology.

We look forward to seeing you in Pittsburgh, Pennsylvania which was voted one of the top cities to visit in 2015 by Conde Nast Traveler!

Host Hotel and Travel Details

Omni William Penn Hotel
530 William Penn Place
Pittsburgh, Pennsylvania 15219 USA
Phone: +1 412-281-7100

Elegance and history defines this hotel with luxury accommodations, modern amenities and an ideal centre city location with dining and shopping just steps away. The Omni William Penn Hotel has a starring role in the city of Pittsburgh, and boasts a classic soul with a modern twist. Enjoy networking in the beautiful Palm Court Lobby, traditional afternoon tea service, an array of on-site dining options, 24 hour fitness center, and complimentary WiFi Internet service for Omni Select Guest members.

Check in: 3PM/Check out: 12PM
Room Rate: $149 single/double plus taxes per night
Cut-off date for ISONG Congress room rate: October 15, 2015.

Reservations Phone: 1-888-444-OMNI (6664)
Mention group discount code: ISONG
Reserve your room early! The special rate and room availability cannot be guaranteed after the cut-off date.

Travel Details

Pittsburgh International Airport is approximately 25-30 minutes from the Omni William Penn Hotel.
Transportation is available near the baggage claim area and options are as follows:
Super Shuttle: $24/each way
Taxi: Approximately $40-$45/each way

Super Shuttle is available daily from 7am to 11pm. A reservation is needed for off-peak times. Discounted rates are available for shuttle reservations made in advance. Contact Super Shuttle for reservations or for more information at www.supershuttle.com.

Hotel Parking

Self-parking is offered in the Mellon Square parking garage located across from the hotel at $18/night Monday through Friday; $5/night on Saturday and Sunday, (there are no in/out privileges for this lot.) Valet parking is available to overnight guests at $32 per night and includes in/out privileges.

All rates are quoted in USD and are subject to change.
Welcome Reception
We would like to invite all ISONG Congress to the Welcome Reception on Thursday evening, November 5 from 7-9PM. Texas Christian University is the host sponsor for this event. It is a great way to kick off our annual meeting and to connect with new and old friends!

Invited Speakers Session
The Invited Speakers listed in the program on Saturday, November 7 were recognized by members of the ISONG Congress Planning Committee as experts in their field of research and genetics and were invited to share their knowledge with the attendees.

*New!* Poster Blitz Session
New to the Congress schedule, the “Poster Blitz” session will provide select poster presenters with the opportunity to orally present their work to Congress attendees. Select poster presenters 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. Printed posters will also be on display throughout the Congress. Invitae is sponsoring the session.

Abstract Sessions/Scientific Posters
The 2015 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 will be highlighted during the Poster Session and Reception on Saturday, November 7. Posters must be removed by 12:00PM on Sunday, November 8.

University Tour and Reception
ISONG attendees are invited to a reception and tour at the University of Pittsburgh on Friday evening, November 6. Transportation will be provided and details are listed on the Congress registration form. The University of Pittsburgh School of Nursing, your host for the evening, is a top-ranked institution of undergraduate and graduate nursing education located in the center of a major university health system in Pittsburgh.

In addition to traditional nursing school amenities (classrooms, computer labs, simulation labs, etc.), the Victoria Building houses a fully-stocked molecular genomic laboratory run by ISONG member Dr. Yvette Conley and is utilized by many professors and students at the university. This lab contains a wealth of resources for performing molecular genetic experiments, including: equipment used for polymerase chain reaction, allelic discrimination assays, running gels for various purposes, cell culture and more. The school celebrates and honors the rich history of nursing through several murals, sculptures, and displays of historical nursing artifacts.

Exhibits
Please visit and support our sponsors and exhibitors in the exhibit hall during the Congress. Sponsorship of the annual Congress helps to support this premier educational opportunity and the ISONG Research Grants awarded for nurses in genetics/genomics worldwide. This is an opportunity for attendees and companies to interact personally. Visit University Row, a reserved section in the exhibit hall which will highlight genetic nursing programs.

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.
### Congress Details

**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.

**ISONG Nursing Research Grant Awards**
Fostering scientific research in genetics is an important part of ISONG’s mission. The support received from our Congress sponsors provides opportunities for ISONG Nursing Research Grant Awards.

In addition, ISONG embarked on a *Nursing Research Directed Donations Campaign*. With the generous support from ISONG members who donated to support their fellow members, ISONG, as an organization, will be able to fund an additional grant for early career researchers. Visit [www.isong.org](http://www.isong.org) for more information on grant applications.

**Donate A Raffle Item**
Please consider making a donation to the ISONG raffle. Our members hail from all over the world and we usually have an array of unique items. Bring something from your hometown, country, hospital or 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. We prefer that you carry the item with you to the Congress, but we will need a description of the item and its value in advance. Please send the description and value to ISONG headquarters via email to linda@isong.org.

### Congress Registration

Take advantage of the early registration discount and register by September 9th!

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<thead>
<tr>
<th>Category</th>
<th>Before September 9</th>
<th>After September 9</th>
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<tbody>
<tr>
<td>ISONG active dues member</td>
<td>$495.00</td>
<td>$525.00</td>
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<tr>
<td><em>Non-member</em></td>
<td>$645.00</td>
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<td>Podium / Abstract Presenter</td>
<td>$495.00</td>
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<tr>
<td>Full-time students</td>
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*(With copy of University/Program ID card)*

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

You will receive a confirmation from ISONG after you have registered. If you do not receive a receipt of your registration, please call us at +1 412-344-1414 to check your registration status, or contact us via email at: linda@isong.org. *All cancellations must be received in writing. A $50.00 USD administrative fee will be deducted from cancellations received up to 7 days in advance. After that time, no refunds can be made.*

For payment by check – after you register online, please print the registration form or invoice and mail the payment to: ISONG, 461 Cochran Road, Box 246, Pittsburgh, PA 15228 USA
Congress Program Agenda
Thursday, November 5, 2015

5:00PM – 9:00PM  Congress Registration

7:00PM – 9:00PM  Welcome Reception
Sponsored by

Friday, November 6, 2015

7:00AM – 4:00PM  Congress Registration

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

8:00AM – 8:30AM  Opening Remarks / President’s Welcome
Sheila A. Alexander, PhD, RN
Associate Professor
Acute & Tertiary Care, School of Nursing
Critical Care Medicine, School of Medicine
University of Pittsburgh
Pittsburgh, Pennsylvania USA

8:30AM – 9:15AM  Keynote Presentation: Epigenetics and Public Health
Laura M. Rozek, PhD
Associate Professor
School of Public Health
Environmental Health Sciences
University of Michigan
Ann Arbor, Michigan USA

9:15AM – 10:00AM  Plenary Presentation:
Epigenetic Research – Post Traumatic Brain Injuries/
Post Traumatic Stress Disorder
Jessica M. Gill, PhD, RN
Lasker Clinical Research Scholar
Tissue Injury Branch
National Institutes of Nursing Research
Bethesda, Maryland USA

10:00AM – 10:30AM  Refreshment Break/ Visit Exhibits, Posters and Raffle
<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract Sessions</th>
<th>Nursing Genomics Knowledge and Competencies</th>
<th>Cardiovascular Disease Genetics</th>
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<tr>
<td>10:30AM – 12:10PM</td>
<td><strong>Breast Cancer Genetic Testing</strong>&lt;br&gt;Optimizing Genetic Testing in Patients with Triple Negative Breast Cancer&lt;br&gt;Sylvia S. Estrada¹, Jenny Hong¹, Edward Phillips¹, Cathy Dang⁰, Farin Amerosi⁰, Cedars-Sinai Medical Center, Los Angeles, CA, USA</td>
<td>Strategies to Realize the Genomic Nursing Science Blueprint&lt;br&gt;Kathleen Calzone¹, Jean Jenkins², Ann Cashion³, Lois Tully³, National Institutes of Health, National Cancer Institute, Bethesda, MD, USA, National Institutes of Health, National Human Genome Research Institute, Bethesda, MD, USA, National Institutes of Health, National Institutes of Nursing Research, Bethesda, MD, USA</td>
<td>An East Coast–West Coast Perspective of Living with Hypertrophic Cardiomyopathy&lt;br&gt;Heidi Salisbury¹, Kim Subasic², Stanford Hospital, Stanford, CA, USA, University of Scranton, Scranton, PA, USA</td>
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<td>10:30am – 12:10pm</td>
<td><strong>Factors Associated with Genetic Counseling and Testing among African American Young Breast Cancer Survivors Diagnosed between the ages of 20-45 years old</strong>&lt;br&gt;Tarsha Jones¹, Maria Katapodi², Duquesne University, Pittsburgh, Pennsylvania, USA, University of Basel, Basel, Switzerland</td>
<td>A Web-Based Delphi Study to Evaluate the Content Validity of a Genomics Knowledge Inventory for Nurses&lt;br&gt;Linda Ward¹, Washington State University, Spokane, WA, USA</td>
<td>A Family History of Premature Coronary Heart Disease: What Else Influences Perceived Risk?&lt;br&gt;Christopher Imes¹, Lora Burke¹, University of Pittsburgh School of Nursing, Pittsburgh, PA, USA</td>
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<td>10:30am – 12:10pm</td>
<td><strong>Preliminary Findings from an Efficacy State-wide Trial Aiming to Increase Use of Cancer Genetic Services in Families at Risk for Hereditary Breast Cancer</strong>&lt;br&gt;Maria Katapodi¹, Laurel Northouse², Debra Duquette³, Sonja Duffy⁴, Nancy Janz⁵, Kari Mendelsohn-Victor⁶, Beth Anderson⁷, David Ronis⁷, Kara Milliron⁸, Sofia Merajver⁹, University of Basel, Institute of Nursing Science, Basel, 4056, Switzerland, University of Michigan, School of Nursing, Ann Arbor, MI 48109, USA, Michigan Department of Community Health, Genomics Department, Lansing, MI 48168, USA, Ohio State University, School of Nursing, Columbus, OH, USA, University of Michigan, School of Public Health, Ann Arbor, MI, USA, University of Michigan Comprehensive Cancer Center, Ann Arbor, MI, USA, University of Michigan School of Medicine, Ann Arbor, MI, USA</td>
<td>Primary Care Providers and Genomic Advancements: A Cautionary Tale&lt;br&gt;Karen J. Whitt¹, Ann Maradiegue¹, Brigham Young University, Provo, UT, USA, Bailey’s Community Health Clinic, Arlington, VA, USA</td>
<td>Genome-Wide Association Study of Survivorship in Coronary Artery Disease Identifies Novel Sex-Specific Markers&lt;br&gt;Jennifer Dungan¹, Xuejun Qin¹, Melissa Hurdle¹, Carol Haynes¹, Elizabeth Grass¹, Damian Craig¹, Simon Gregory¹, Elizabeth Hauser¹, Svat Shah¹, William Kraus¹, Duke University, Durham, NC, USA</td>
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<td>11:30am – 1:10pm</td>
<td><strong>Assessing and Managing Breast Cancer Risk in Transgender Male to Female BRCA 1 &amp; 2 Mutation Carriers</strong>&lt;br&gt;Cathleen Goetsch¹, Virginia Mason Cancer Institute, Seattle, WA, USA</td>
<td>Application of the 2015 Code of Ethics for Nurses to Epigenetics and Nursing Care Across the Lifespan&lt;br&gt;Martha Turner¹, Laurie Badzek¹, American Nurses Association, Silver Spring, MD, USA</td>
<td>Genetic Predictors for Changes in Sleeping Patterns, Inflammation, and Cardiac Events&lt;br&gt;Jennifer Sanner¹, Erica Yu¹, Lorraine Frazier¹, UTHealth, Houston, Texas, USA</td>
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<td>11:30am – 1:10pm</td>
<td><strong>Cancer Awareness and Needs Assessment in Persons with High Risk for Hereditary Breast and Ovarian Cancer</strong>&lt;br&gt;Meaghan Underhill¹, Karleen Habin², Kristen Shannon², Debra Lunquist¹, Dana-Farber Cancer Institute, Boston, MA, USA, Massachusetts General Hospital, Boston, MA, USA, Cancer Resource Foundation, Marlborough, MA, USA</td>
<td>Preferences in Return of Genomic Results: A Focus Group Study&lt;br&gt;Kathi Huddleston¹, Lisa Klein¹, Susanne Haga², Nova Translational Medicine Institute, Falls Church, VA, USA, Duke University, Durham, NC, USA</td>
<td>Developing Genomic Biomarkers of Preeclampsia&lt;br&gt;Sandy Founds¹, University of Pittsburgh, Pittsburgh, PA, USA</td>
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<tr>
<td>Epigenetics, Self-Management, Cancer</td>
<td>Genomics Knowledge and Genomics in Healthcare</td>
<td>Pediatrics</td>
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<td><strong>P01</strong> Tumor Bearing Dogs as a Model for Human Cancers Jennie Rowell¹, Elise Fiala², Badamy Mike², Isain Zapata², William Kisseberth², Carlos Alvarez², ¹The Ohio State University, Columbus, Ohio, USA, ²The Research Institute at Nationwide Children's Hospital, Columbus, Ohio, USA</td>
<td><strong>P02</strong> Epigenetics, the Life-Course and Metabolic Disease: Implications for Nursing Karen Lynne Zanni¹, ¹SUNY Empire State College, Saratoga Springs, New York, USA</td>
<td><strong>P13</strong> A Transition Program for Adolescents with Down Syndrome. Joanna Spahis¹, Debbie Clark¹, ¹Children's Health/Children's Medical Center, Dallas, TX, USA</td>
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<td><strong>P03</strong> Perception of Role of Genetics and Running in the Family in People with a Family History of Type 2 Diabetes Alyssa Cady¹, Kate Jones², Brenda Rocha², Lisa Shah², Sandra Daack-Hirsch², ¹University of Iowa College of Liberal Arts and Sciences, Iowa City, Iowa, USA, ²University of Iowa College of Nursing, Iowa City, Iowa, USA</td>
<td><strong>P04</strong> Low Circulating MicroRNA-21 is Associated with Elevated C-Reactive Protein in South Asian Women Elena Flowers¹, Bradley Aouizerat¹, Alka Kanaya¹, ¹University of California, San Francisco, USA</td>
<td><strong>P06</strong> Stressors, Gut Microbiome and Neurodevelopment in Preterm Infants in the NICU Xiaomei Cong¹, Joerg Graf², Wendy Henderson¹, Jacqueline McGrath¹, Kendra Baas², ¹University of Connecticut School of Nursing, Storrs, CT, USA, ²University of Connecticut Molecular and Cell Biology Department, Storrs, CT, USA, ³NIH NINR Biobehavioral Branch, Digestive Disorder Unit, Bethesda, MD, USA</td>
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<td><strong>P05</strong> A Pilot Educational Program to Improve Knowledge about Pharmacogenomic Testing Among Nurse Practitioners in a Breast Cancer Treatment Setting Samuel Hoffman¹, Susan Wesmiller¹, Shannon Ferrari³, Sheila Alexander¹, Margaret Rosenzweig¹, Robert Kaufman¹, ¹University of Pittsburgh, Pittsburgh, PA, USA, ³Magee-Women's Hospital of UPMC, Pittsburgh, PA, USA</td>
<td><strong>P14</strong> Investigating a Newly Developed Genetics Course and the Acquisition of Genetic and Genomic Nursing Competencies Rebecca Kron⁴, Karen Caywood¹, ¹Duquesne University, Pittsburgh, PA, USA</td>
<td><strong>P19</strong> Cerebral Cavernous Malformations: Overview of Genetics and Implications for Pregnancy Mindy Tinkle¹, Valerie Rappaport¹, Leslie Morrison¹, ¹University of New Mexico, New Mexico, USA</td>
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<td><strong>P06</strong> Symptoms in People with Rare Chromosomal Disorders Saeko Kutsunugi¹, Kumiko Tsujino², Kyoko Murakami¹, Kazuko Iida¹, ¹Yamaguchi University, Yamaguchi, Japan, ²University of the Ryukyus, Okinawa, Japan</td>
<td><strong>P15</strong> Igniting Genetic/Genomic Education and Competency at a Research Facility: Successes and Challenges Georgie Cusack¹, Sharon Flynn¹, Kathy Feigenbaum², Ellen Eckes², Julie Kohn-Godbout², Kathleen Calzone¹, Jean Jenkins¹, Gwenyth Wallen², ¹National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, Maryland, USA, ²Clinical Center, National Institutes of Health, Bethesda, Maryland, USA, ³National Cancer Institute, National Institutes of Health, Bethesda, Maryland, USA, ⁴National Human Genome Research Institute, National Institutes of Health, Bethesda, Maryland, USA</td>
<td><strong>P20</strong> Racial Differences In Genome-wide DNA Methylation during the First Trimester of Pregnancy Michelle Wright¹, Timothy York¹, ¹Virginia Commonwealth University, Richmond, VA, USA</td>
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Continued on page 9
### Epigenetics, Self-Management, Cancer

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<thead>
<tr>
<th>Poster Number</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>P08</td>
<td>Preemptive Genotyping of DMET Variants Involved in Opioid Analgesics Metabolism for Sickle Cell Disease Pain Management</td>
<td>Cheedy Jaja¹, Adullah Kutlar², Matt Lyon³, Nadine Barrett⁴, ¹University of Cincinnati, Cincinnati, Ohio, USA, ²Georgia Regents University, Augusta, GA, USA</td>
</tr>
<tr>
<td>P09</td>
<td>Triple Negative Breast Cancer (TNBC) Phenotype and Genotype Among Women of Color in the United States: A Review</td>
<td>Julie Eggert¹, Annamalar Jeyasehar¹, ¹Clemson University, Clemson, SC, USA</td>
</tr>
<tr>
<td>P10</td>
<td>Tyrosine Metabolism in a Murine Model of Tyrosinemia Type 1 and the Resulting Epigenetic Neurocognitive Changes.</td>
<td>Elizabeth Barnby¹, Gordon MacGregor¹, ¹The University Of Alabama Huntsville, Huntsville, Alabama, USA</td>
</tr>
<tr>
<td>P11</td>
<td>Individual Perceived Health Status and Health Values: Factors Influencing Self-Initiated Genome Testing and Health Action</td>
<td>Carolyn Farrell¹, Kevin Eng², Bonnie Holaday¹, Scott Roberts³, Robert Green⁴, ¹Clemson University, Clemson, SC, USA, ²Roswell Park Cancer Institute, Buffalo, NY, USA, ³University of Michigan, Ann Arbor, MI, USA, ⁴Harvard Medical School, Boston, MA, USA</td>
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### Genomics Knowledge and Genomics in Healthcare

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<th>Poster Number</th>
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<tbody>
<tr>
<td>P17</td>
<td>Oncotype DX® Recurrence Score Associated with Pre-Adjuvant Therapy Executive Function Performance in Postmenopausal Women with Breast Cancer</td>
<td>Theresa Kolec¹, Catherine Bender¹, Susan Sereika¹, Puja Ghotkar¹, Yvette Conley¹, ¹University of Pittsburgh, Pittsburgh, PA, USA</td>
</tr>
<tr>
<td>P07</td>
<td>The Epigenetics of PTSD and PTSD in Women Veterans: Health Policy Implications</td>
<td>Cheryl Brubaker¹, ¹University of St. Francis, Albuquerque, New Mexico, USA</td>
</tr>
<tr>
<td>P22</td>
<td>Assessment of Advanced Midwifery Learners’ Knowledge of Epigenetics: Opinions of Educators in Selected Nursing Education Institutions</td>
<td>Mauwane Phaladi-Digamela¹, ¹University of Pretoria, Pretoria, Gauteng, South Africa</td>
</tr>
<tr>
<td>P23</td>
<td>Genetic Knowledge: Implications for Advanced Practice Nursing</td>
<td>Erica Yu¹, Yun-Hua Chiang², Jennifer Sanner¹, ¹The University of Texas Health Science Center at Houston School of Nursing, Houston, TX, USA</td>
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### Pediatrics

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<th>Poster Number</th>
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<th>Authors</th>
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<tbody>
<tr>
<td>P24</td>
<td>Placental Epigenetics and Developmental Programming</td>
<td>Lauren Riesche¹, ¹University of Illinois at Chicago, Chicago, Chicago, IL, USA</td>
</tr>
<tr>
<td>P25</td>
<td>Thinking Beyond The Blood Spot: Integrating Newborn Screening Education Into Nursing Care</td>
<td>Jaclyn Seisman¹, Natasha Bonhomme¹, ¹Genetic Alliance, Washington, DC, USA</td>
</tr>
<tr>
<td>P12</td>
<td>Intestinal Dysbiosis in Infantile Colic: Findings Based on an Integrative Review of the Literature</td>
<td>Nancy Dubois¹, ¹OpenBiome, Medford, MA, USA</td>
</tr>
<tr>
<td>P18</td>
<td>Behavior of Children with Down Syndrome (DS) and Adaptation in Family</td>
<td>Anna Lee¹, Marcia Van Riper¹, ¹School of Nursing, University of North Carolina, Chapel Hill, NC, USA</td>
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### Abstract Sessions

**2:50PM – 3:10PM**

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<tr>
<th>Self-Management (Lifestyle Behaviors, Response to Genomic Information)</th>
<th>Personalized Medicine, PGx, Biomarkers in Healthcare</th>
<th>Women’s Health, Prenatal &amp; Neonatal Genomics</th>
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<tr>
<td><strong>Comparing Study Processes of Two Reproductive Health Intervention Studies that Used a Face-to-Face and an Internet Delivery for Young Adults with Sickle Cell Disease or Sickle Cell Trait</strong>&lt;br&gt;Agatha Gallo¹, Diana Wilkie², Coretta Jenerette³, Maxine Adegbolda⁴, Eufemia Jacob⁵, Martha Swartz⁶, Robert Molokie⁷, Marie Suarez⁸, Yingwei Yao⁹, Alexis Thompson¹⁰, Patricia Hershberger¹¹&lt;br&gt;¹University of Illinois at Chicago, Chicago, IL, USA, ²University of Florida, Gainesville, FL, USA, ³University of North Carolina at Chapel Hill, Chapel Hill, NC, USA, ⁴University of Texas at Arlington, Arlington, TX, USA, ⁵University of California, Los Angeles, Los Angeles, CA, USA, ⁶Yale University, New Haven, CT, USA, ⁷Northwestern University-Feinberg School of Medicine, Ann and Robert Lurie Children’s Hospital of Chicago, Chicago, IL, USA</td>
<td><strong>Genetic Counseling Outcome Scale (GCOS-24); Cross-Cultural Adaptation and Validation for Evaluation of Genetic Counseling in Brazil</strong>&lt;br&gt;Milena Flória-Santos¹, Mayara Ribeiro¹, Marion McAllister², Anne Kettley Gonzaga³, Mariane Caetano Sulino⁴&lt;br&gt;¹University of São Paulo at Ribeirão Preto College of Nursing, Ribeirão Preto, São Paulo, Brazil, ²Cardiff University Institute of Medical Genetics, Cardiff, UK</td>
<td><strong>An Epigenetic Approach to Examine DNA from Breast Milk</strong>&lt;br&gt;Kelley Baumgartel¹, Maureen Groer², Sandra Deslouches³, Yvette Conley⁴&lt;br&gt;¹University of Pittsburgh, Pittsburgh, PA, USA, ²University of South Florida, Tampa, FL, USA</td>
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**2:50pm-3:10pm**

| **Association Between Family History of Substance Abuse and Opioid Dose in Patients with Chronic Pain**<br>Elizabeth Pestka¹, Jeannie Sperry⁴<br>¹Mayo Clinic, Rochester, MN, USA | **Nursing Considerations of XMEN Syndrome: Current Treatment Options asseand Implications**<br>Susan Price¹, Deborah Rawson¹, Paul Wong¹, Mary Myers¹, Koneti Rao¹<br>¹National Institutes of Health, Bethesda, MD, USA | **Interaction between Oxytocin Receptor DNA Methylation and Genotype is Associated with Risk of Postpartum Depression in Women without Depression in Pregnancy**<br>Aleeca Bell¹, C. Sue Carter², Colin Steer³, Jean Golding³, John Davis¹, Alana Steffen¹, Leah Rubin¹, Travis Lillard⁴, Steven Gregory⁵, James Harris⁶, Jessica Connelly⁷<br>¹University of Illinois at Chicago, Chicago, IL, USA, ²Kinsey Institute, Bloomington, IN, USA, ³University of Bristol, Bristol, UK, ⁴Johns Hopkins, Baltimore, MD, USA, ⁵University of Virginia, Charlottesville, VA, USA |

**3:10pm-3:30pm**

| **Association Between Family History of Substance Abuse and Opioid Dose in Patients with Chronic Pain**<br>Elizabeth Pestka¹, Jeannie Sperry⁴<br>¹Mayo Clinic, Rochester, MN, USA | **Nursing Considerations of XMEN Syndrome: Current Treatment Options asseand Implications**<br>Susan Price¹, Deborah Rawson¹, Paul Wong¹, Mary Myers¹, Koneti Rao¹<br>¹National Institutes of Health, Bethesda, MD, USA | **Interaction between Oxytocin Receptor DNA Methylation and Genotype is Associated with Risk of Postpartum Depression in Women without Depression in Pregnancy**<br>Aleeca Bell¹, C. Sue Carter², Colin Steer³, Jean Golding³, John Davis¹, Alana Steffen¹, Leah Rubin¹, Travis Lillard⁴, Steven Gregory⁵, James Harris⁶, Jessica Connelly⁷<br>¹University of Illinois at Chicago, Chicago, IL, USA, ²Kinsey Institute, Bloomington, IN, USA, ³University of Bristol, Bristol, UK, ⁴Johns Hopkins, Baltimore, MD, USA, ⁵University of Virginia, Charlottesville, VA, USA |

Continued on page 11
Friday, November 6, 2015

2:50PM – 4:30PM Abstract Sessions (continued from page 10)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:50PM – 3:00PM</td>
<td>Personalized Genome Testing: Examining a Model to Facilitate Integration of Individual Health and Healthcare System Values and Goals</td>
</tr>
<tr>
<td></td>
<td>Carolyn Farrell¹, Bonnie Holoday¹, Kevin Eng², Scott Roberts³, Robert Green⁴, ¹Clemson University, Clemson, SC, USA, ²Roswell Park Cancer Institute, Buffalo, NY, USA, ³University of Michigan, Ann Arbor, MI, USA, ⁴Harvard Medical School, Boston, MA, USA</td>
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<tr>
<td></td>
<td>Patient Perspectives of Recessive Carrier Testing with Universal Carrier Panels in the Preconception and Prenatal Periods</td>
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<td>Jennifer Shiroti⁵, Mathew Gregoski¹, Lynne Nemeth¹, Bonnie Dumas¹, Ronald Librizzi², ¹Medical University of South Carolina, Charleston, SC, USA, ²Virtua Medical Group, Marlton, NJ, USA</td>
</tr>
<tr>
<td></td>
<td>Transfer of Differential DNA Methylation from Mothers to Placenta in Preeclampsia</td>
</tr>
<tr>
<td></td>
<td>Cindy Anderson¹, Jody Ralph², Joyce Ohm³, ¹The Ohio State University, Columbus, OH, USA, ²University of North Dakota, Grand Forks, ND, USA</td>
</tr>
<tr>
<td>3:00PM – 3:30PM</td>
<td>Nutritional Supplementation Self-Management and Rationale by Persons with a Positive Gene Mutation for Huntington Disease</td>
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<tr>
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<td>Kathleen Sparbel¹, Nancy Downing², ¹University of Illinois at Chicago, Chicago, Illinois, USA, ²University of Iowa, Iowa City, Iowa, USA</td>
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<td></td>
<td>Dru Riddle¹, Mat Gregoski², Kathy Baker¹, Bonnie Dumas², Carolyn Jenkins³, ¹Texas Christian University, Fort Worth, Texas, USA, ²Medical University of South Carolina, Charleston, South Carolina, USA</td>
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<td>Exploring the Relationship between Genetic Variation of FKBPS and Early Life Stress in the NICU</td>
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<td>Amy D’Agata¹, Erin Young¹, Jacqueline McGrath¹, Stephen Walsh¹, ¹University of Connecticut, Storrs, CT, USA</td>
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<tr>
<td>3:30PM – 4:00PM</td>
<td>The Effect of Body Image and Subjective Norms on the Decision to Undergo Prophylactic Mastectomy in Arab and Jewish Women</td>
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<td>Majeda Kardosh¹, Sivia Barnoy¹, Yoram Bar-Tal¹, ¹Tel Aviv University, Tel Aviv, Israel, ²Shenbrun Academic Nursing School, Tel-Aviv, Israel</td>
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<tr>
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<td>Cell-free DNA in Inflammation: An Integrative Review</td>
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<td>Mayu O. Frank¹, ¹New York University, New York, NY, USA</td>
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<tr>
<td>4:00PM – 4:30PM</td>
<td>Postoperative Nausea and Vomiting among Women: A Genetic Analysis of Selected Polymorphisms of Genes of the Emetic Pathway</td>
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<td></td>
<td>Susan Wesmiller¹, Catherine Bender¹, Susan Sereika¹, Gretchen Ahrendt¹, Marguerite Bonaventura², Dana Bovbjerg³, Hannah Mathis¹, Yvette Conley¹, ¹University of Pittsburgh, Pittsburgh, PA, USA</td>
</tr>
</tbody>
</table>

4:30PM – 4:50PM Board Shuttles for Transportation to the University of Pittsburgh
Meet in the Omni William Penn Hotel Lobby for directions to board the shuttles.

5:00PM – 7:00PM Tour and Reception at the University of Pittsburgh School of Nursing

7:00PM – 7:15PM Shuttles Return to the Hotel
Saturday, November 7, 2015

7:15AM – 5:00PM  Congress Registration

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

8:00AM – 8:05AM  Announcements

8:05AM – 8:50AM  Keynote Presentation: Population Genetics and Translational Acceleration

   Dietrich A. Stephan, PhD
   Chair of the Department of Human Genetics
   Graduate School of Public Health
   University of Pittsburgh
   Associate Director of the Institute for Personalized Medicine
   Pittsburgh, Pennsylvania USA

8:50AM – 9:35AM  International Keynote Presentation: Parental and Environmental Influences on Infant Mental Health

   Nicole Letourneau, PhD, MN, BN, RN
   Professor & Norlien/ACHF Chair
   Parent-Infant Mental Health
   Director, RESOLVE Alberta
   University of Calgary
   Calgary, Alberta Canada

9:35AM - 10:10AM  Refreshment Break / Visit Exhibits, Posters and Raffle

Thank you to Prevention Genetics – the host sponsor for this refreshment break.
## Epigenetics Across the Life Span

### 2015 ISONG World Congress

#### Saturday, November 7, 2015

### 10:10AM – 11:50AM  Abstract Sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Cancer Genomics and Care</th>
<th>Neurological Genomics</th>
<th>Pediatrics</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:10AM-10:50am</td>
<td>Immunologic and Cytogenetic Profiles, Symptoms, and Distress during Induction Chemotherapy for Adults with Acute Myeloid Leukemia: A Psychoneuroimmunology Perspective Tara Albrecht¹, Nancy McCain¹, Jamie Sturgill¹, R.K. Elswick, Jr.¹, Angela Starkweather¹, Virginia Commonwealth University, Richmond, VA, USA</td>
<td>Characterization of Methylation Status for Dopaminergic and Serotonergic Genes in Cerebrospinal Fluid of Subarachnoidal Hemorrhage Patients Ansley Stanfill¹, Elizabeth Crago¹, Sandra Deslouches¹, Yvette Conley¹, University of Pittsburgh, Pittsburgh, PA, USA</td>
<td>Cleft Lip and Cleft Palate: A Comprehensive Review Emily Hopkins¹, Chatham University, Pittsburgh, PA, USA</td>
</tr>
<tr>
<td>10:50am-11:10am</td>
<td>The Effect of Raspberry Extract on Breast Cancer Cells Katie Edwards¹, Patilee Tate¹, Julie Eggert¹, Clemson University, Clemson, SC, USA</td>
<td>Prevalence of Intrathecal Morphine Induced Pruritus in the New Zealand Māori Population Anecita Gigi Lim¹, University of Auckland, Auckland, New Zealand</td>
<td>Parents’ Information Needs when Learning their Children’s CYP2D6 Research Results Cynthia A. Proxès¹, Melanie Myers¹, Children’s Hospital Medical Center, Cincinnati, Ohio, USA</td>
</tr>
<tr>
<td>11:10am-11:30am</td>
<td>Challenges of Multigene Panel Testing for Hereditary Cancer Risk Susan Montgomery¹, Andrea Forman¹, Kim Rainey¹, Michelle Savage¹, Elias Obeid¹, Michael Hall¹, Mary Daly¹, Fox Chase Cancer Center, Philadelphia, PA, USA</td>
<td>Huntington Disease as a Model of Epigenetic Contributions to Phenotype Nancy Downing¹, McKenzie Wallace¹, Spencer Lourens¹, Jeffrey Long¹, Jane Paulsen¹, University of Iowa, Iowa City, USA</td>
<td>Congruence of Parental Genomic Variation and Self-Reported Race and Ethnicity in Maternal Child Genomic Studies Kathi Huddleston¹, Lisa Klein¹, Sahel Hazziri¹, Wendy S. Wong¹, Inova Health System, Falls Church VA, USA</td>
</tr>
<tr>
<td>11:30am-11:45am</td>
<td>Comparison of DNA Methylation in Prostate Tumor Margins of Obese and Lean Patients Jody Ralph¹, Joyce Ohm¹, Cindy Anderson¹, Steven Ralph¹, University of North Dakota, Grand Forks, ND, USA, The Ohio State University, Columbus, OH, USA</td>
<td>Brain Hypoxia Responsive Gene Expression in Severe Traumatic Brain Injury Patients Ava Puccio¹, Richard Jordan¹, James Lyons-Weiler¹, David Okonkwo¹, Yvette Conley¹, University of Pittsburgh, Pittsburgh, PA, USA</td>
<td>Parenting a Child with Metabolic Diseases: Impact on Health Related Quality of Life of Parents Deepa Shaji Thomas¹, Dr. Esra Al Khasawneh Al Khasawneh², Kannekanty Saraswathi¹, Lina Mohd Wali Shakman⁴, College of Nursing, Muscat, Oman, College Of Nursing, Sultan Qaboos University, Muscat, Oman, College of Nursing, Sultan Qaboos University, Muscat, Oman, College of Nursing, Sultan Qaboos University, Muscat, Oman</td>
</tr>
<tr>
<td>11:45am-11:50am</td>
<td>Hematologic Malignancies in Xeroderma Pigmentosum Patients Deborah Tamura¹, Sikandar Khan², John DiGiovanna³, Kenneth Kraemer¹, National Institutes of Health, Bethesda, MD, USA, National Institutes of Health, Bethesda, MD, USA, National Institutes of Health, Bethesda, MD, USA, National Institutes of Health, Bethesda, MD, USA</td>
<td>Association between Calcineurin Genotype and Clinical Outcomes after Severe TBI Nicole Osier¹, C. Edward Dixon³, Sheila Alexander¹, Yvette Conley¹, University of Pittsburgh School of Nursing, Pittsburgh, PA, USA, Safar Center for Resuscitation Research, Pittsburgh, PA, USA</td>
<td>The Methylation of Regulatory Loci within the Leptin Promoter and the Growth of Children with Various Durations of Breast Milk Heide Temples¹, Jeffrey Craig², Richard Saffery³, Clemson University, Clemson, SC, USA, Early Life Epigenetics Group, MCRI, Royal Children’s Hospital, Parkville, Victoria, Australia, Cancer and Disease Epigenetics Group, Murdoch Children’s Research Institute (MCRI), Royal Children’s Hospital, Parkville, Victoria, Australia</td>
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</table>

### 11:50AM – 1:45PM  Networking / Business Lunch and Awards Presentations
### Epigenetics Across the Life Span

#### 2015 ISONG World Congress

**Saturday, November 7, 2015**

1:45PM – 3:15PM  **Invited Speakers**

<table>
<thead>
<tr>
<th>Session A</th>
<th>Session B</th>
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<tbody>
<tr>
<td><strong>1:45PM-2:15PM</strong></td>
<td><strong>Role of Epigenetics and Genetics in Pediatric Traumatic Brain Injury</strong>&lt;br&gt;Karen Reuter-Rice, PhD, CPNP-AC, FCCM, FAAN&lt;br&gt;Assistant Professor&lt;br&gt;Robert Wood Johnson Foundation Scholar&lt;br&gt;Duke University&lt;br&gt;School of Nursing&lt;br&gt;School of Medicine&lt;br&gt;Department of Pediatrics&lt;br&gt;Duke Institute for Brain Sciences&lt;br&gt;Durham, North Carolina USA</td>
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<tr>
<td><strong>Omics of Patient Outcomes After Neurological Insult</strong>&lt;br&gt;Yvette Conley, PhD&lt;br&gt;Professor of Nursing and Human Genetics&lt;br&gt;University of Pittsburgh&lt;br&gt;Pittsburgh, Pennsylvania USA</td>
<td><strong>Newborn Screening: Where Genetics and Public Health Come Together</strong>&lt;br&gt;Stacy Hines-Dowell, DNP, APNG&lt;br&gt;Doctor of Nursing Practice&lt;br&gt;Advance Practice Nurse in Genetics&lt;br&gt;Department of Oncology/ Division of Cancer Predisposition&lt;br&gt;St. Jude Children’s Research Hospital&lt;br&gt;Memphis, Tennessee USA</td>
</tr>
<tr>
<td><strong>2:15PM-2:45PM</strong></td>
<td><strong>Epigenetics and Genomics of Pain</strong>&lt;br&gt;Susan G. Dorsey, PhD, RN, FAAN&lt;br&gt;Associate Professor of Nursing&lt;br&gt;Chair, Department of Pain and Translational Symptom Science&lt;br&gt;Co-Director&lt;br&gt;UM Center to Advance Chronic Pain Research&lt;br&gt;University of Maryland Baltimore&lt;br&gt;Baltimore, Maryland USA</td>
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<tr>
<td><strong>2:45PM-3:15PM</strong></td>
<td><strong>Brain-Gut Genomic Interactions of the Host and Microbiome</strong>&lt;br&gt;Wendy A. Henderson, CRNP, MSN, PhD&lt;br&gt;Investigator &amp; Chief&lt;br&gt;Digestive Disorders Unit&lt;br&gt;Biobehavioral Branch&lt;br&gt;Division of Intramural Research&lt;br&gt;National Institute of Nursing Research&lt;br&gt;National Institutes of Health&lt;br&gt;Department of Health and Human Services&lt;br&gt;Bethesda, Maryland USA</td>
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</table>
Saturday, November 7, 2015

3:15PM – 3:45PM  Refreshment Break / Visit Exhibits, Posters and Raffle

3:45PM – 4:45PM  Invited Speakers (continued)

3:45PM – 4:15PM  Methods for Conducting Reproducible Research with Multi-Omic Data
Michelle Wright, PhD, RN  
Department of Adult Health and Nursing Systems  
School of Nursing  
Virginia Commonwealth University  
Richmond, Virginia USA

4:15PM – 4:45PM  Genetics of Obesity
Ryan Minster, PhD, MSIS  
Assistant Professor  
Department of Human Genetics  
Graduate School of Public Health  
University of Pittsburgh  
Pittsburgh, Pennsylvania USA

4:45PM – 5:50PM  Poster Session and Reception

5:50PM – 7:00PM  Summer Genetics Institute Gathering  
Graduates of the Summer Genetics Institute and individuals who may have interest in learning more about the Summer Genetics Institute are invited to attend an informal gathering to meet, greet, and share memories of the SGI! The gathering will be in the beautiful Palm Court in the Omni William Penn Hotel. All are welcome to attend.
Sunday, November 8, 2015

7:00AM – 11:30AM  Congress Registration

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

8:00AM – 8:30AM  Incoming President’s Address
Sandra Daack-Hirsch, PhD, RN
Associate Professor
College of Nursing
University of Iowa
Iowa City, Iowa USA

8:30AM – 9:15AM  Bioethics and Molecular Genetic Research
Reverend Kevin T. FitzGerald
Associate Professor
Department of Oncology
David Lauler Chair for Catholic Health Care Ethics
Center for Clinical Bioethics
Georgetown University
Washington, DC USA

9:15AM – 9:55AM  International Panel

9:55AM – 10:15AM  Refreshment Break

10:15AM – 11:15AM  Closing Keynote:
Nurse Scientists and Genomics–Moving the Research Forward
Ann Cashion, PhD, RN, FAAN
Scientific Director
Division of Intramural Research
National Institutes of Health
National Institute of Nursing Research
Bethesda, Maryland USA

11:15AM – 12:15PM  ISONG Committee Meetings
(Light refreshments served)

Congress Concludes
P01
Tumor Bearing Dogs as a Model for Human Cancers
Jennie Rowell¹, Elise Fiala², Badamy Mike², Isain Zapata², William Kisseberth², Carlos Alvarez², ¹The Ohio State University, Columbus, Ohio, USA; ²The Research Institute at Nationwide Children’s Hospital, Columbus, Ohio, USA

P02
Epigenetics, the Life-Course and Metabolic Disease: Implications for Nursing
Karen Lynne Zanni¹, ¹SUNY Empire State College, Saratoga Springs, New York, USA

P03
Perception of Role of Genetics and Running in the Family in People with a Family History of Type 2 Diabetes
Alyssa Cady¹, Kate Jones¹, Brenda Rocha¹, Lisa Shah², Sandra Daack-Hirsch², ¹University of Iowa College of Liberal Arts and Sciences, Iowa City, Iowa, USA; ²University of Iowa College of Nursing, Iowa City, Iowa, USA

P04
Low Circulating MicroRNA-21 is Associated with Elevated C-Reactive Protein in South Asian Women
Elena Flowers¹, Bradley Aouizerat¹, Alka Kanaya¹, ¹University of California, San Francisco, USA

P05
A Pilot Educational Program to Improve Knowledge about Pharmacogenomic Testing Among Nurse Practitioners in a Breast Cancer Treatment Setting
Samuel Hoffman¹, Susan Wesmiller¹, Shannon Ferrari², Sheila Alexander¹, Margaret Rosenzweig¹, Robert Kaufman¹, ¹University of Pittsburgh, Pittsburgh, PA, USA; ²Magee-Women’s Hospital of UPMC, Pittsburgh, PA, USA

P06
Stressors, Gut Microbiome and Neurodevelopment in Preterm Infants in the NICU
Xiaomei Cong¹, Joerg Graf², Wendy Henderson¹, Jacqueline McGrath¹, Kendra Baas³, ¹University of Connecticut School of Nursing, Storrs, CT, USA; ²University of Connecticut Molecular and Cell Biology Department, Storrs, CT, USA; ³NIH NINR Biobehavioral Branch, Digestive Disorder Unit, Bethesda, MD, USA

P07
The Epigenetics of PTSD and PTSD in Women Veterans: Health Policy Implications
Cheryl Brubaker¹, ¹University of St. Francis, Albuquerque, New Mexico, USA

P08
Preemptive Genotyping of DMET Variants Involved in Opioid Analgesics Metabolism for Sickle Cell Disease Pain Management
Cheedy Jaja¹, Adullah Kutlar², Matt Lyon², Nadine Barrett², ¹University of Cincinnati, Cincinnati, Ohio, USA; ²Georgia Regents University, Augusta, GA, USA

P09
Triple Negative Breast Cancer (TNBC) Phenotype and Genotype Among Women of Color in the United States: A Review
Annamalar Jeyasehar¹, Julie Eggert¹, ¹Clemson University, Clemson, SC, USA

P10
Tyrosine Metabolism in a Murine Model of Tyrosinemia Type 1 and the Resulting Epigenetic Neurocognitive Changes
Elizabeth Barnby¹, Gordon MacGregor¹, ¹The University Of Alabama Huntsville, Huntsville, Alabama, USA

P11
Individual Perceived Health Status and Health Values: Factors Influencing Self-Initiated Genome Testing and Health Action
Carolyn Farrell¹, Kevin Eng², Bonnie Holaday¹, Scott Roberts³, Robert Green¹, ¹Clemson University, Clemson, SC, USA; ²University of Pittsburgh, Pittsburgh, PA, USA; ³Roswell Park Cancer Institute, Buffalo, NY, USA

P12
Intestinal Dysbiosis in Infantile Colic: Findings Based on an Integrative Review of the Literature
Nancy Dubois¹, ¹OpenBiome, Medford, MA, USA

P13
A Transition Program for Adolescents with Down Syndrome
Joanna Spahis¹, Debbie Clark¹, ¹Children’s Health/Children’s Medical Center, Dallas, TX, USA

P14
Investigating a Newly Developed Genetics Course and the Acquisition of Genetic and Genomic Nursing Competencies
Rebecca Kronk¹, Karen Caywood¹, ¹Duquesne University, Pittsburgh, PA, USA

P15
Igniting Genetic/Genomic Education and Competency at a Research Facility: Successes and Challenges
George Cusack¹, Sharon Flynn², Kathy Feigenbaum², Ellen Eckes², Julie Kohn-Godbout¹, Kathleen Calzone¹, Jean Jenkins¹, Gwyneth Wallen³, ¹National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, Maryland, USA; ²National Human Genome Research Institute, National Institutes of Health, Bethesda, Maryland, USA

### Posters

<table>
<thead>
<tr>
<th>Poster</th>
<th>Title</th>
<th>Authors</th>
</tr>
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<tbody>
<tr>
<td>P16</td>
<td>Symptoms in People with Rare Chromosomal Disorders</td>
<td>Saeko Kutsunugi¹, Kumiko Tsujino², Kyoko Murakami³, Kazuko Iida¹, ¹Yamaguchi University, Yamaguchi, Japan, ²University of the Ryukyus, Okinawa, Japan</td>
</tr>
<tr>
<td>P17</td>
<td>Oncotype DX® Recurrence Score Associated with Pre-Adjuvant Therapy Executive Function Performance in Postmenopausal Women with Breast Cancer</td>
<td>Theresa Koleck¹, Catherine Bender¹, Susan Sereika¹, Puja Ghotkar¹, Yvette Conley¹, ¹University of Pittsburgh, Pittsburgh, PA, USA</td>
</tr>
<tr>
<td>P18</td>
<td>Behavior of Children with Down Syndrome (DS) and Adaptation in Family</td>
<td>Anna Lee¹, Marcia Van Riper¹, ¹School of Nursing, University of North Carolina, Chapel Hill, NC, USA</td>
</tr>
<tr>
<td>P19</td>
<td>Cerebral Cavernous Malformations: Overview of Genetics and Implications for Pregnancy</td>
<td>Mindy Tinkle¹, Valerie Rappaport¹, Leslie Morrison¹, ¹University of New Mexico, New Mexico, USA</td>
</tr>
<tr>
<td>P20</td>
<td>Racial Differences In Genome-wide DNA Methylation during the First Trimester of Pregnancy</td>
<td>Michelle Wright¹, Timothy York¹, ¹Virginia Commonwealth University, Richmond, VA, USA</td>
</tr>
<tr>
<td>P22</td>
<td>Assessment of Advanced Midwifery Learners’ Knowledge of Epigenetics: Opinions of Educators in Selected Nursing Education Institutions</td>
<td>Mauwane Phaladi-Digamela¹, ¹University of Pretoria, Pretoria, Gauteng, South Africa</td>
</tr>
<tr>
<td>P23</td>
<td>Genetic Knowledge: Implications for Advanced Practice Nursing</td>
<td>Erica Yu¹, Yun-Hua Chiang¹, Jennifer Sanner¹, ¹The University of Texas Health Science Center at Houston School of Nursing, Houston, TX, USA</td>
</tr>
<tr>
<td>P24</td>
<td>Placental Epigenetics and Developmental Programming</td>
<td>Laren Riesche¹, ¹University of Illinois at Chicago, Chicago, IL, USA</td>
</tr>
<tr>
<td>P25</td>
<td>Thinking Beyond The Blood Spot: Integrating Newborn Screening Education Into Nursing Care</td>
<td>Jaclyn Seisman¹, Natasha Bonhomme¹, ¹Genetic Alliance, Washington, DC, USA</td>
</tr>
</tbody>
</table>
In recognition of dedication in the planning of the 2015 ISONG World Congress

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Nicole D. Osier, BSN, BS, RN
Pre-Doctoral Candidate
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Marcella Niehoff School of Nursing
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Maywood, Illinois USA
Research Health Scientist
Center of Innovation for Complex Chronic Healthcare
Edward Hines Jr. VA Hospital
Hines, Illinois USA

Angela Starkweather, PhD, ACNP-BC, CNRN, FAAN
Associate Professor and Chair, Department of Adult Health and Nursing Systems
Virginia Commonwealth University
School of Nursing
Richmond, Virginia USA

Deb Tamura, MS, RN
DNA Repair Section
Dermatology Branch
Center for Cancer Research
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