

Promoting Diversity, Inclusion, and Health Equity in Genomic Nursing

International Society of Nurses in Genetics | isong.org

2021 ISONG Virtual World Congress | November 5-7, 2021 (Pre-Congress: November 4)



2021 ISONG World Congress Agenda

All times are listed in Eastern Daylight Time for Thursday, Friday, & Saturday. Sunday's times are listed in Eastern Standard Time due to the end of Daylight Savings.

Thursday, November 4, 2021

- 9:00am – 12:00pm **Pre-Congress A: Leveraging National Databases to Accelerate your Research**
Theresa Koleck, PhD, RN
Yvette Conley, PhD, FAAN
- 1:00pm – 4:00pm **Pre-Congress B: Fundamentals of Clinical Genomics for Nurses**
Eric Barbato, PhD, RN
McKenzie Wallace, PhD, RN

Friday, November 5, 2021

- 9:20am – 9:30am **Opening Remarks and Flag Ceremony**
- 9:30am – 10:30am **Global Panel**
Moderators: Sivia Barnoy, PhD, RN, Kathleen Sparbel, PhD, ARNP, FNP-BC, and İlknur Yeşilçinar, PhD, RN
Panelists: Efrat Dagan, RN, PhD, LGC, Milena Santos, PhD, MSc, RN, Helen Wright, BSc, BNSc, MSc, PhD, RN, İlknur Yeşilçinar, PhD, RN
- 10:30am – 10:45am Networking and Virtual Coffee Break
- 10:45am – 10:50am **President's Welcome**
Rebecca Kronk, PhD, MSN, CRNP, FAAN, CNE, ANEF
- 10:50am – 11:50am **Opening Keynote: Race and Genetic Ancestry in Medicine: A Time for Reckoning with Racism**
Esteban González Burchard, MD, MPH
- 11:50am – 1:00pm Lunch

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Friday, November 5, 2021 (continued)

1:00pm – 1:30pm Concurrent How-To Sessions (at tables)

1:00 pm – 1:30pm	<p><i>How To Use Social Media to Promote Your Lab</i></p> <p>Nico Osier, PhD, RN</p>	<p><i>How To Write an Abstract</i></p> <p>Joanna Spahis, MSN, APRN-CNS, AGN-BC</p>	<p><i>How To Develop a Portfolio for Credentialing</i></p> <p>Stacy Hines-Dowell, DNP, FNP-BC, ACGN, Tammy McKamie, RN, MSN, OCN, ACGN and Susan Montgomery, BSN, OCN, GCN, CGN</p>	<p><i>How To Get Involved with Policy Making</i></p> <p>Lisa Blair, PhD, RN and Margaret J. Hornung, MSN, FNP-BC, ACGN, CN-BP</p>
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1:30pm – 2:30pm Concurrent Abstract Session A

1:30pm – 1:45pm	<p>Epigenetic Implications of Neighborhood Disorder and Psychological Distress Among Pregnant African American Women</p> <p><u>Alexandra Nowak</u>¹, Carmen Giurgescu², Jodi Ford¹, Alai Tan¹, Amy Mackos¹, Cindy Anderson¹</p> <p>¹The Ohio State University, Columbus, OH, USA, ²University of Central Florida, Orlando, FL, USA</p>	<p>Development of a Credential for Genomic Nursing Education</p> <p><u>Deborah O. Himes</u>¹, Sarah Dewell², Caitlin Dreisbach³, Jennifer Dungan⁴, Ruth Lucas⁵, Linda Ward⁶</p> <p>¹Brigham Young University, Provo, UT, USA, ²University of Northern British Columbia, Prince George, British Columbia, Canada, ³Columbia University, New York, New York, USA, ⁴University of Florida, Gainesville, Florida, USA, ⁵University of Connecticut, Storrs, Connecticut, USA, ⁶Clemson University, Clemson, South Carolina, USA</p>	<p>Sudden Shift to Remote Genetic Counseling During the COVID-19 Pandemic: Experiences of Genetics Professionals in Italy</p> <p>Daniela Turchetti¹, Linda Battistuzzi², Benedetta Bertonazzi¹, <u>Lea Godino</u>¹</p> <p>¹Division of Medical Genetics, Azienda Ospedaliero-Universitaria di Bologna, Bologna, Italy, ²Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi, Università degli Studi di Genova, Genova, Italy</p>
1:45pm – 2:00pm	<p>Epigenome-Wide Association study of differential DNA methylation in obesity related genes in diverse adults: A meta-analysis</p> <p><u>Fatemeh Choupani</u></p> <p>Goldfarb School of Nursing, St. Louis, MO, USA</p>	<p>Patient and Public Involvement in Genetic Rare Disease Teaching for Nursing Students</p> <p><u>Suja Somanadhan</u>¹, Frances Howlin², Rachel Howe², Anne Lawlor³, Julie Power⁴, Rhoda Walker⁵, Helen McAneney⁵</p> <p>¹University College Dublin, Dublin, Dublin, Ireland, ²University College Dublin, Dublin, Ireland, ³22q11 Ireland Support Group, Dublin, Ireland, ⁴IPPOSI, Dublin, Ireland, ⁵NIRDP, Belfast, Ireland</p>	<p>The Impact of COVID-19 Pandemic on Genetic Testing in a Hypertrophic Cardiomyopathy Center</p> <p><u>Maria Reuter</u>¹, Milla Arabadjian²</p> <p>¹NYU Langone Health, New York City, New York, USA, ²NYU School of Nursing, New York City, New York, USA</p>

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Friday, November 5, 2021 (continued)

1:30pm – 2:30pm Concurrent Abstract Session A (continued)

<p>2:00pm – 2:15pm</p>	<p>The Impact of Psychosocial Stress from Life Trauma and Racial Discrimination on Epigenetic Aging – A Systematic Review</p> <p><u>Sungju Lim</u>¹, Michelle Wright^{1,2} ¹The University of Texas at Austin, School of Nursing, Austin, Texas, USA, ²The University of Texas at Austin, Dell Medical School, Department of Women's Health, Austin, Texas, USA</p>	<p>Cross-walking Genetics and Genomics in a DNP Program</p> <p><u>Judith Jarosinski</u>, <u>Jeffrey Willey</u> Salisbury University, Salisbury, MD, USA</p>	<p>Coffin Siris Syndrome – Revisited</p> <p><u>Delwin Jacoby</u>, Miriam Bunch University of Kentucky, Lexington, KY, USA</p>
<p>2:15pm – 2:30pm</p>	<p>Where Are We Now? A Spinal Cord Injury and Epigenetics Scoping Review</p> <p><u>Letitia Y. Graves</u>¹, Kayla Keane¹, Angela Wang¹, Lorenzo Rinaldi², Leorey Saligan¹ ¹National Institute of Nursing Research, National Institutes of Health, Bethesda, MD, USA, ²National Cancer Institute, Bethesda, MD, USA</p>	<p>Nursing Practice Utility of an Online, Case-Based Genetic Course for BSN Nursing Students</p> <p><u>Mary Smania</u>, Catherine Clarey-Sanford, Kathleen Poindexter Michigan State University, East Lansing, MI, USA</p>	<p>DRUL for School: Opening Pre-K with Safe, Simple, Sensitive Saliva Testing for SARS-CoV-2</p> <p><u>Mayu O. Frank</u>¹, Nathalie E. Blachere¹, Salina Parveen¹, Ezgi Haciosuleyman¹, John Fak¹, Joseph Luna¹, Eleftherios Michailidis¹, Samara Wright¹, Pamela Stark¹, Ann Campbell¹, Ashley Foo¹, Thomas Sakmar¹, Virginia Huffman¹, Marissa Bergh¹, Audrey Goldfarb¹, Andres Mansisidor¹, Agata L. Patriotis¹, Karl H. Palmquist¹, Nicolas Poulton¹, Rachel Leicher¹, César D. M. Vargas¹, Irene Duba¹, Arlene Hurley¹, Joseph Colagreco¹, Nicole Pagane¹, Dana E. Orange¹, Kevin Mora¹, Jennifer L. Rakeman², Randall Fowler², Helen Fernandes³, Michelle F. Lamendola-Essel⁴, Nick Didkovsky¹, Leopolda Silvera⁵, Joseph Masci⁵, Machel Allen⁵, Charles M. Rice¹, Robert B. Darnell¹ ¹Rockefeller University, New York, NY, USA, ²New York City Department of Health and Mental Hygiene, New York, NY, USA, ³Columbia University, New York, NY, USA, ⁴Memorial Sloan Kettering Cancer Center, New York, NY, USA, ⁵New York City Health and Hospital Corporation, New York, NY, USA</p>

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Friday, November 5, 2021 (continued)

2:30pm – 2:45pm Virtual Coffee Break

2:45pm – 3:45pm Concurrent Abstract Session B

<p>2:45pm – 3:00pm</p>	<p>Longitudinal DNA Methylation Profiles of Chromosome 19 microRNA Cluster Across Preeclamptic and Normotensive Pregnancy</p> <p><u>Mitali Ray</u>, Lacey Heinsberg, McKenzie Wallace, Yvette Conley, Daniel Weeks, Mandy Schmella <i>University of Pittsburgh, Pittsburgh, PA, USA</i></p>	<p>Perturbations In Inflammatory Pathways Are Associated with the Severity of Evening Fatigue in Patients Receiving Chemotherapy</p> <p><u>Carolyn Harris</u>¹, Kate Oppegaard¹, Joosun Shin¹, Steven Paul¹, Bruce Cooper¹, Vasuda Dokiparthi¹, Adam Olshen², Ritu Roy², Anatol Sucher¹, Brian Yuen¹, Christine Miaskowski¹, Kord Kober¹ ¹<i>School of Nursing, University of California, San Francisco, San Francisco, CA, USA</i>, ²<i>School of Medicine, University of California, San Francisco, San Francisco, CA, USA</i></p>	<p>Essential Web Resources for Educators in the Academic and Clinical Setting</p> <p><u>Ruth Lucas</u>¹, Caitlin Driesbach², Mary Hanson-Zalot³, Linda Ward⁴, Education Committee⁵ ¹<i>University of Connecticut, Storrs, CT, USA</i>, ²<i>Columbia University, New York, NY, USA</i>, ³<i>Jefferson College of Nursing, Philadelphia, PA, USA</i>, ⁴<i>Clemson University School of Nursing, Clemson, SC, USA</i>, ⁵<i>ISONG, Chicago, USA</i></p>
<p>3:00pm – 3:15pm</p>	<p>Relationship between Vitamin D levels, Inflammation, and Cytomegalovirus in Pregnant Minority Women</p> <p><u>Jennifer Woo</u>^{1,2}, Juliet Spencer³ ¹<i>Texas Woman's University, Dallas, TX, USA</i>, ²<i>University of Texas Southwestern, Dallas, TX, USA</i>, ³<i>Texas Woman's University, Denton, TX, USA</i></p>	<p>Perturbations in Neuroendocrine and Inflammatory Pathways Are Associated with the Severity of Morning Fatigue in Patients Receiving Chemotherapy</p> <p><u>Kord Kober</u>¹, Carolyn Harris¹, Kate Oppegaard¹, Joosun Shin¹, Steven Paul¹, Bruce Cooper¹, Vasuda Dokiparthi¹, Adam Olshen², Ritu Roy², Anatol Sucher¹, Brian Yuen¹, Christine Miaskowski¹ ¹<i>UCSF School of Nursing, San Francisco, CA, USA</i>, ²<i>UCSF School of Medicine, San Francisco, CA, USA</i></p>	<p>Genomic Education Strategies and Tactics: Coordinating Efforts to Impact Clinical Practice</p> <p><u>Jennifer Wilder</u>^{1,2}, Niloufar Niakosari Hadidi³, Ruth Lucas⁴, Mary Hanson-Zalot⁵ ¹<i>Clinical Monitoring Research Program Directorate, Frederick National Laboratory for Cancer Research, Frederick, MD, USA</i>, ²<i>National Cancer Institute Experimental Transplantation and Immunology Branch, Bethesda, MD, USA</i>, ³<i>University of Minnesota, Minneapolis, MN, USA</i>, ⁴<i>University of Connecticut School of Nursing, Storrs, CT, USA</i>, ⁵<i>Thomas Jefferson University, Philadelphia, PA, USA</i></p>

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Friday, November 5, 2021 (continued)

2:45pm – 3:45pm Concurrent Abstract Session B (continued)

<p>3:15pm – 3:30pm</p>	<p>Identifying Alterations in the Inflammatory Milieu of Preeclamptic Pregnancies</p> <p><u>McKenzie Wallace</u>, Lacey Heinsberg, Mitali Ray, Yvette Conley, Daniel Weeks, Mandy Schmella <i>University of Pittsburgh, Pittsburgh, PA, USA</i></p>	<p>Deregulated Genes in the Night vs. Day Comparison for Patients with Insomnia: A RNA-Sequencing Study</p> <p><u>Sara Mithani</u>¹, Rany Vorn¹, Sijung Yun^{1,2}, Vivian Guedes¹, Jacqueline Leete¹, Aalim Weljie³, Philip Gehrman³, Jessica Gill¹ <i>¹National Institutes of Health, Bethesda, MD, USA, ²Yotta Biomed, Bethesda, MD, USA, ³University of Pennsylvania, Pennsylvania, PA, USA</i></p>	<p>Evaluating Interventions That Have Been Developed To Improve NICU Nurses' Genetics Awareness: A Mixed Methods Systematic Review</p> <p><u>May Alharbi</u> <i>University of Nottingham, Nottingham, Nottinghamshire, United Kingdom</i></p>
<p>3:30pm – 3:45pm</p>	<p>Associations Between Painful Procedures, Telomere Length and Neurodevelopmental Outcomes in Preterm Infants</p> <p><u>Sharon Casavant</u>¹, Hongfei Li², Bo Reese³, Ming-Hui Chen², Xiaomei Cong¹ <i>¹University of Connecticut, Storrs, CT, USA, ²University of Connecticut, Statistics, Storrs, CT, USA, ³University of Connecticut, Center for Genome Innovation, Storrs, CT, USA</i></p>	<p>Higher Levels of Sleep Disturbance in Patients Undergoing Chemotherapy Is Associated with Perturbations in Immune and Neurological Function Related Pathways</p> <p><u>Christine Miaskowski</u>, Kate Oppegaard, Carolyn Harris, Joosun Shin, Steven Paul, Bruce Cooper, Vasuda Dokiparthi, Adam Olshen, Ritu Roy, Anatol Sucher, Brian Yuen, Kord Kober <i>University of California, San Francisco, San Francisco, CA, USA</i></p>	<p>Using Technology to Teach Conversation in Genetic Competency</p> <p><u>Leslie Darmofal</u> <i>Minnesota State University, Mankato, Mankato, MN, USA</i></p>

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Friday, November 5, 2021 (continued)

3:45pm – 4:45pm **Concurrent Expert Lectures**

<p>3:45pm – 4:15pm</p>	<p>History of Racism and Oppressive Language in Research: A Brief Introduction</p> <p>Mitali Ray, PhD, RN, Jewel Scott, PhD, RN, FNP-C, and Jessica A. Davis, BSN, RN, CCRN, IBCLC</p>	<p>An Organization's Strategic Approach to Closing the Genomics Knowledge Gap of Oncology Nurses</p> <p>Kathleen Calzone, PhD, RN, AGN-BC, FAAN and Erin Dickman, MS, RN, OCN</p>	<p>Prenatal Genetic Testing Uptake in Marginalized Populations</p> <p>Robin Page, PhD, APRN, CNM, FACNM and Christina Murphey, PhD, RNC-OB</p>
<p>4:15pm – 4:45pm</p>	<p>Epigenetics and Racial Disparities in Chronic Low Back Pain</p> <p>Edwin N. Aroke, PhD, CRNA</p>	<p>Multilevel Interventions and Genomics: What Nurses Need to Know</p> <p>Belinda N. Mandrell, PhD, RN, CPNP, FAAN and Monica A. Wagner, PhD, RN</p>	

4:45pm – 5:15pm **Sponsor Collaboration Meeting**

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Saturday, November 6, 2021

- 9:00am – 9:05am **Announcements/Housekeeping**
- 9:05am – 9:15am **President’s Award**
- 9:15am – 10:15am **Opening Speaker:** *Achieving a Diverse and Meaningful Inclusion Practice in Pediatric Hereditary Oncology: A Nurse’s Tale*
Stacy Hines-Dowell, DNP, FNP-BC, ACGN
- 10:15am – 10:30am Virtual Coffee Break
- 10:30am – 10:40am **Presentation of Grant Awards**
- 10:45am – 11:05am **Reviewers’ Choice Abstracts**

10:45am – 11:05am	<p>DNA Methylation Trajectories of Genes Involved in the Nrf2 Antioxidant Response Elements Signaling Pathway and Patient Outcomes Following Severe Traumatic Brain Injury</p> <p><u>Tara Davis</u>, Lacey Heinsberg, Susan Sereika, Yvette Conley <i>University of Pittsburgh, Pittsburgh, PA, USA</i></p>	<p>Trends in Genomic Nursing Knowledge among Incoming Nursing Anesthesia Students</p> <p><u>Jane Garvin</u>, Beverly Collins <i>Augusta University, Augusta, GA, USA</i></p>	<p>Delivering Strategic and Systematic Integration of Genomics Across Nursing and Midwifery Practice in the National Health Service (NHS) in England</p> <p><u>Emma Tonkin</u>¹, Sarah Armstrong-Klein², Marie Batey², Janice Sigsworth³, Christopher Morley⁴, Sue Hill⁵ ¹<i>University of South Wales, Pontypridd, United Kingdom,</i> ²<i>NHS England & NHS Improvement, London, United Kingdom,</i> ³<i>Imperial College Healthcare NHS Trust, London, United Kingdom,</i> ⁴<i>Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, United Kingdom,</i> ⁵<i>NHS England, London, United Kingdom</i></p>
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- 11:00am – 12:00pm **Poster Session I: Student Poster Session**
- 12:00pm – 1:30pm **Lunch and Business Meeting/Presentation of Founders’ Awards**

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Saturday, November 6, 2021 (continued)

1:30pm – 2:30pm

Concurrent Expert Lectures

1:30pm – 2:00pm	Integrating Omics into Breast Cancer Treatment Disparities Research Maura K. McCall, PhD(c), MSN, RN	Genetic Literacy and Informed Consent Rebecca Kronk, PhD, MSN, CRNP, FAAN, CNE, ANEF and Kim Subasic, PhD, MS, RN, CNE	
2:00pm – 2:30pm	Bridging Omics to Society Yvette Conley, PhD, FAAN and Christine Miaskowski, RN, PhD	The Genetics of COVID-19 Sheila A. Alexander, PhD, RN, FCCM and Susan W. Wesmiller, PhD, RN	

2:30pm – 2:45pm

Virtual Coffee Break

2:45pm – 3:45pm

Poster Session II

3:45pm – 4:45pm

Plenary Speaker: *Pharmacogenomic Education, Research and Practice in New Zealand*

Anecita Gigi Lim, BScN, GradDipSciPharm, MHSc, PhD FCNA(NZ), RN

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Sunday, November 7, 2021

Please note: The Congress switches to Eastern Standard Time on Sunday, November 7. Clocks are turned back one hour.

- 9:00am – 9:05am **Announcements**
- 9:05am – 9:10am **Student Poster Winners**
- 9:10am – 9:40am **Incoming President’s Address**
- 9:40am – 10:25am **Plenary Session: Advancing Precision Health through Nursing Innovation and Policy**
Mei R. Fu, PhD, RN, FAAN and Emma Kurnat-Thoma, PhD, MS, RN
- 10:25am – 10:45am Virtual Coffee Break

10:45am – 11:45am Concurrent Abstract Session C

10:45am – 11:00am	<p>Higher State Anxiety In Patients Undergoing Chemotherapy Is Associated With Perturbations In Neurological Pathways</p> <p><u>Kate Oppegaard</u>, Carolyn Harris, Joosun Shin, Steven Paul, Bruce Cooper, Vasuda Dokiparthi, Adam Olshen, Ritu Roy, Anatol Sucher, Brian Yuen, Christine Miaskowski, Kord Kober <i>University of California San Francisco, San Francisco, CA, USA</i></p>	<p>Exploration of the <i>CREBRF</i> obesity-risk variant in Samoan infants using untargeted metabolomic analysis and pathway discovery</p> <p><u>Lacey Heinsberg</u>¹, Kendall Arslanian², Steven Mullett¹, Erin Kershaw¹, Ulai Fidow³, Take Naseri⁴, Yvette Conley¹, Daniel Weeks¹, Stacy Wendell¹, Nicola Hawley² <i>¹University of Pittsburgh, Pittsburgh, PA, USA, ²Yale University, New Haven, CT, USA, ³Tupua Tamasese Meaole Hospital, Apia, Samoa, ⁴Ministry of Health, Apia, Samoa</i></p>	<p>Factors related to the performance of genetic testing among patients with hypertrophic cardiomyopathy</p> <p><u>Sivia Barnoy</u>¹, Michal Kelishek^{1,2}, Michael Arad² <i>¹Tel-Aviv University, Tel-Aviv, Israel, ²Sheba Medical Center, Ramat Gan, Israel</i></p>
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Sunday, November 7, 2021 (continued)

10:45am – 11:45am

Concurrent Abstract Session C (continued)

<p>11:00am – 11:15am</p>	<p>Association of IGF and IGFBP Polymorphisms with Circulating IGF and IGFBP Levels and Ischemic Outcomes after Aneurysmal Subarachnoid Hemorrhage</p> <p><u>Elizabeth Crago</u>, Tricia Miller, Dianxu Ren, Anne Fisher, Yvette Conley <i>University of Pittsburgh, Pittsburgh, Pa, USA</i></p>	<p>DNA Methylation Age Acceleration Associates with Cardiometabolic Traits and Specific Depressive Symptoms Scores in African American Women from the InterGEN Study</p> <p><u>Nicole Perez</u>¹, Allison Vorderstrasse², Gary Yu¹, Jacquelyn Taylor³ ¹<i>New York University, New York, NY, USA</i>, ²<i>University of Massachusetts Amherst, Amherst, MA, USA</i>, ³<i>Columbia University, New York, NY, USA</i></p>	<p>What's Missing in Sex Chromosome Aneuploidies? Representation and Inclusion</p> <p><u>Brien Mehmet</u>¹, Isabella McDonald², Sarah Saldarriaga², <u>Andrew Dwyer</u>^{2,3} ¹<i>City University, London, United Kingdom</i>, ²<i>Boston College School of Nursing, Chestnut Hill, MA, USA</i>, ³<i>MGH Munn Center for Nursing Research, Boston, MA, USA</i></p>
<p>11:15am – 11:30am</p>	<p>Genotype-expression Interactions In <i>HTR2A</i> Across Human Brain Regions</p> <p><u>Ansley Stanfill</u>, Xueyuan Cao <i>University of Tennessee Health Science Center, Memphis, TN, USA</i></p>	<p>Co-Expressed MicroRNAs Identify Biological Pathways Associated with Risk for Type 2 Diabetes</p> <p><u>Elena Flowers</u>¹, Isabel Elaine Allen¹, Alka Kanaya¹, Bradley Aouizerat² ¹<i>UC San Francisco, San Francisco, CA, USA</i>, ²<i>New York University, New York, NY, USA</i></p>	<p>Altered DNA Methylation Patterns in HSCT Patients</p> <p><u>Lathika Mohanraj</u>¹, Hope Wolf², Dana Lapato², Mikhail Dozmorov³, Theresa Swift-Scanlan⁴ ¹<i>School of Nursing, Virginia Commonwealth University, Richmond, VA, USA</i>, ²<i>School of Medicine, VCU Health, Richmond, VA, USA</i>, ³<i>School of Medicine, Virginia Commonwealth University, Richmond, VA, USA</i>, ⁴<i>School of Nursing, Virginia Commonwealth University, Richmond, VA, USA</i></p>

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Sunday, November 7, 2021 (continued)

10:45am – 11:45am

Concurrent Abstract Session C (continued)

<p>11:30am – 11:45am</p>	<p>Psychoneurological Symptoms And The Serotonin-Transporter Linked Polymorphic Region In Patients With Breast Cancer</p> <p><u>Susan Grayson</u>, Yvette Conley, Susan Wesmiller <i>University of Pittsburgh School of Nursing, Pittsburgh, PA, USA</i></p>	<p>Systematic Review of Transcriptome and MicroRNAome Associations with Gestational Diabetes Mellitus</p> <p><u>Kimberly A. Lewis</u>¹, Julinna Cheung², Bradley E. Aouizerat³, Laura Jelliffe-Pawlikowski¹, Monica R. McLemore¹, Brian Piening⁴, Larry Rand¹, Kelli Ryckman⁵, Elena Flowers¹</p> <p>¹University of California, San Francisco, San Francisco, CA, USA, ²University of California, Davis, Davis, CA, USA, ³New York University, New York, NY, USA, ⁴Providence St Joseph Health, Seattle, WA, USA, ⁵University of Iowa, Iowa City, IA, USA</p>	<p>Worst Pain Severity Profiles in Patients Undergoing Chemotherapy Are Associated with Perturbations in Neuroendocrine-immune Pathways</p> <p><u>Joosun Shin</u>¹, Kate Oppegaard¹, Carolyn Harris¹, Steven Paul¹, Bruce Cooper¹, Vasuda Dokiparthi¹, Adam Olshen², Ritu Roy², Anatol Sucher¹, Brian Yuen¹, Christine Miaskowski¹, Kord Kober¹</p> <p>¹UCSF School of Nursing, San Francisco, California, USA, ²UCSF School of Medicine, San Francisco, California, USA</p>
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11:45am – 12:45pm

Closing Keynote: Biopsychosocial Implications of Sex and Gender for Genomic Nursing

Scott E. Moore, PhD, APRN, AGPCNP-BC

12:45pm

Closing Remarks by Congress Planning Committee Co-Chairs

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2021 ISONG Congress Poster Abstracts

The Relationship Between Symptoms And Biomarkers During A Pulmonary Exacerbation In People with Cystic Fibrosis: A Systematic Review

Eliana Gill¹, Taylor Penick², Julie Zuniga¹

¹The University of Texas at Austin, Austin, TX, USA, ²The University of South Alabama, Mobile, AL, USA

Social Determinants of Health Affecting Adolescents in a Down Syndrome Transition Clinic

Joanna Spahis

University of Texas Southwestern Medical Center, Dallas, Texas, USA, Children's Health, Dallas, Texas, USA

Workshop Report: Online Workshops on Genetics/Genomics Nursing in Oncology

Yukako Oga, Naoko Arimori, Sayuri Sakai, Jun Kikunaga, Hiroko Susaka, Aki Mitomi, Misato Yamaya

School of Health Sciences Faculty of Medicine Niigata University, Niigata, Niigata, Japan

Associations Among Caregiving Quality, Infant Differential Susceptibility Genes, and Infant Attachment: Project Proposal

Amelia Potter-Dickey¹, Nicole Letourneau^{1,2}, Henry Ntanda², Sarah Dewell³, Gerald Giesbrecht², A.P. Jason de Koning⁴

¹Faculty of Nursing, University of Calgary, Calgary, Alberta, Canada, ²Department of Pediatrics, Cumming School of Medicine, University of Calgary, Calgary, Alberta, Canada, ³School of Nursing College of Arts, Social & Health Science, University of Northern British Columbia, Prince George, British Columbia, Canada, ⁴Department of Biochemistry & Molecular Biology and Medical Genetics, University of Calgary,, Calgary, Alberta, Canada

Delineating Structure, Process, and Outcomes of a Gastroenterology Genetics Screening and Surveillance Program (GIGSS): Why you should consider new GIGSS.

Carrie Thompson^{1,2}, Jane Tiedt¹, Mirjeta Beqiri¹, Deborah Smith¹

¹Gonzaga University, Spokane, Washington, USA, ²Logan Health, Kalispell, MT, USA

Introduction of a genetic nurse in the path of ovarian cancer patients eligible for BRCA testing

Benedetta Bertozzi, Sara Venturi, Daniela Turchetti, Lea Godino

Division of Medical Genetics, Azienda Ospedaliero-Universitaria di Bologna, Bologna, Italy

Data-driven Characterization Of Symptom Clusters In A Diverse Cohort Of Adults Diagnosed With Cancer: An Analysis of National Institutes of Health All of Us Research Program Participant Data

Theresa Koleck

University of Pittsburgh, Pittsburgh, PA, USA

Improved Outcomes With Triheptanoin In Patients With Long-chain Fatty Acid Oxidation Disorders (LC-FAOD) Treated Via An Expanded Access Program (EAP)

Antonio Nino Ramirez, Camille L. Bedrosian, Deborah Marsden

Ultragenyx Pharmaceutical Inc., Novato, CA, USA

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2021 ISONG Congress Poster Abstracts (*continued*)

Describing the Relationship Between Baseline Expression of α -adrenoceptor Genes and Perceived Pain in Women with Hormone Receptor-positive Breast Cancer

Monica Wagner¹, Catherine Bender¹, Yvette Conley²

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Illustrations of Electronic Medical Records (EHR) as a HIPAA Compliant Training Tool

Kanoa Kelly¹, Adrienne Doyle^{1,2}, Zuena Karim¹, Samuel Lin¹, Nico Osier¹

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Fostering Genetic Testing for Localized, Higher-Risk Prostate Cancer

Heather Hannon

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Exploring Epigenomics and Health Inequity During Pregnancy: A Critical Caring Perspective

Marlene Brennen

Florida Atlantic University, Boca Raton, FL, USA

Birt-Hogg-Dube Syndrome: Diagnosis and Clinical Management

Susan Montgomery

Fox Chase Cancer Center, Philadelphia, PA, USA

Comparison Of DNA Extraction Kits For Microbiome Whole-genome Shotgun Sequencing Analysis

Michelle Wright^{1,2}, Sungju Lim¹, Dennis Wylie¹

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OMICS Nursing Science and Education Network: Three Years On With Expanding Features and Collaborative Opportunities

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Development and Progress of the ISONG Oncology Special Interest Group

Maura K. McCall¹, Theresa Swift-Scanlon², Monica A. Wagner¹

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Evaluation Of The Educational Program Targeted For The Nurse Supporting The Patients With Suspected Cancer Predisposition Syndrome

Miho Kakuta¹, Keiko Tsuji², Sachiko Kasuya¹, Hitomi Mikami¹, Sayoko Takeuchi¹, Yukiko Osanai¹, Mari Kikuchi¹, Yuumi Ikeda¹, Kiwamu Akagi¹

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2021 ISONG Congress Poster Abstracts (continued)

A Scoping Review Exploring the Relationship Between Infertility and the Microbiome in Women

Kristen Sinay, Michelle Wright

The University of Texas at Austin, Austin, Texas, USA

The Effectiveness of Web-Based Genomics Nursing Education Intervention for Undergraduate Nursing Students: Background and Design

Anndra Margareth Dumo¹, Carsten Carlberg², Linda Ward³, Jane Maguire⁴, Arja Halkoaho⁵, Marjo Palovaara⁶, Hannele Saunders⁷, Bobbi Laing⁸, Anecita Gigi Lim⁹, Ofelia Valdehueza¹⁰, Katri Vehviläinen-Julkunen^{11,12}

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