

The 7th International Conference on

Fetal Alcohol Spectrum Disorder Research: Results and Relevance

*Integrating Research,
Policy and Promising
Practice Around the World*

MARCH 1–4, 2017

The Westin Bayshore

VANCOUVER, BC, CANADA

*The improvement of understanding is for two
ends: first, our own increase of knowledge;
secondly, to enable us to deliver that
knowledge to others*

John Locke

 **@IPCE_UBC**
#FASD2017

interprofessional.ubc.ca/FASD2017



Presented by



a place of mind
THE UNIVERSITY OF BRITISH COLUMBIA

Interprofessional
Continuing
Education



General Information

DESCRIPTION

This advanced level conference continues to bring together experts from multiple disciplines to share international research. From the pure science, to prevention, diagnosis and intervention across the lifespan, the conference will address the implications of this research and promote scientific/community collaboration. It provides an opportunity to enhance understanding of the relationships between knowledge and research and critical actions related to FASD. First held in 1987, the conference brings together people passionate about this work in a stimulating environment where they can learn and forge new partnerships.

OBJECTIVES

During FASD 2017, participants can expect to:

- recognize and discuss the implication and potential application of emerging evidence-based, and cutting edge research
- expand and challenge their knowledge of basic and clinical science research
- explore different models of advanced practice from and across disciplines
- engage in knowledge exchange and focused dialogue through formal sessions, networking and onsite meetings
- develop connections and partnerships among researchers, networks, governments, communities, service providers and families

AUDIENCE

This interdisciplinary conference will be of interest to the following audiences:

- addictions
 - administrators
 - child welfare professionals
 - clinicians
 - community members
 - educators
 - elected officials
 - family members
 - policy-makers
 - FASD specialists
 - health/mental health
 - justice
 - physicians
 - researchers
 - scientists
 - students
 - women's service providers
- and anyone interested in an advanced understanding in the field of FASD*

EXHIBITING

Exhibit space is available to community and health organizations only. For more information, please contact Cynthia by phone: 604.822.7524 or through email: cynthia.ipce@ubc.ca. Space is limited and is provided on a first-come, first-served basis.

PROFESSIONAL CREDITS

A certificate of attendance will be given to each participant. Please check the website for any updates on accreditation.

LOCATION

The Westin Bayshore. 1601 Bayshore Drive, Vancouver, BC, V6G 2V4, Canada. Located in downtown Vancouver, The Westin Bayshore is an unparalleled location that offers views of the coastline and historic Stanley Park. Reserve today to avoid disappointment by calling toll-free: 1.800.WESTIN.1 or Local: 1-604-682-3377 or by email: bayshore.reservations@westin.com. The special rate of CDN \$149.00 (plus applicable taxes) for a standard guest room (single/double) is available for conference delegates. Please specify that you are booking under the UBC Interprofessional Continuing Education FASD 2017 room block to receive these reduced rates.

PARKING

Secure parking is available for the following rates:

- Overnight: \$42 valet or \$38 self park
- Day rates: \$4 each 30 minutes with a \$23 day maximum (self park) or \$29 day maximum (valet)
- Evening rates: \$13 evening maximum after 6:00pm (self park) or \$19 evening maximum (valet)

PUBLIC TRANSPORTATION

Getting to The Westin Bayshore Hotel from the Vancouver International Airport (YVR) will take approximately 30 minutes and is 13.0 km/8.08 miles in distance. Please take the Canada Line, linking YVR to downtown. The train ride takes 20 minutes. Guests can get off at the "Vancouver City Centre" station, and then take a taxi (approximately 10 minutes) or bus (by taking #250 - #255 from Georgia St.) or walk (approximately 20 minutes) to the hotel. Fees for the Canada Line are one way. From Airport to Downtown: Monday – Friday fee is \$9. Saturday and Sunday fee is \$7.75. From Downtown to Airport: Monday – Friday fee is \$4. Saturday and Sunday fee is \$2.75.

REGISTRATION

Please see the registration form (on the back of the brochure) for details. Registration to the main conference includes conference materials, all lunches, refreshment breaks, and a certificate of attendance. Pre-registration prior to February 1, 2017 is strongly recommended to ensure you receive all conference materials.

METHODS OF PAYMENT

Online: *The most secure method*. Secure, fast, online registration is available for Visa and MasterCard holders at the conference organizer's website: interprofessional.ubc.ca

Phone: Register and pay over the phone: Local/International: 1-604-827-3112 or toll-free within Canada/USA: 1-855-827-3112. (VISA or MasterCard)

Fax: Fax the registration form to 1-604-822-4835 and indicate that you would like to pay with VISA or MasterCard. We will send you a secure on-line link to enter your credit card information. **Please do not fax credit card information**

Mail/Payment by Cheque:

Send the registration form with cheque to:
IN 9540 REGISTRATION

Interprofessional Continuing Education
Rm.105 – 2194, Health Sciences Mall,
The University of British Columbia
Vancouver, BC, Canada V6T 1Z3

Alternative Payment Methods:

Mail or fax complete registration form along with one of the following:

1. Signed purchase order (PO)
2. Letter of Authorization (LOA) from the manager on the organization's letterhead stating that they will be paying the registration fees. The letter should include the amount of registration fees, name and contact information of the manager

REFUND, TRANSFER & CANCELLATION POLICY

Refunds will be made (less a \$50.00 processing fee) if written notice of withdrawal is received by February 2, 2017. No refunds will be granted for withdrawal after that date. There is a \$25 replacement charge in the case of a registration transfer. If you cannot attend and would like another person to come in your place, please contact us prior to February 2, 2017. UBC Interprofessional Continuing Education reserves the right to cancel or move this program if registration is insufficient. In the event of cancellation, a refund will be issued.

General Information

DISCLOSURE

In keeping with accreditation guidelines, presenters participating in this event have been asked to disclose to the audience any involvement with industry or other organizations that may potentially influence the presentation of the educational material. Disclosure may be done verbally or in written form, using a slide prior to the speaker's presentation.

SYLLABUS

You will receive the conference syllabus in an electronic format (a memory stick with the presentation materials will be given to you on-site at the conference; you will need your laptop to view it on-site).

VANCOUVER TOURISM

Vancouver provides many opportunities to experience the west coast lifestyle. If you would like more information on travelling in the area or other accommodations, please call these numbers or go online:
Tourism BC: 1.800.HELLO.BC (435.5622), www.hellobc.com
or Tourism Vancouver: 1-604-683-2000, www.tourism-vancouver.org

MEETINGS

There will be meetings running in conjunction with the conference. If you or your organization wishes to host/organize a meeting during the conference, please contact our office at cynthia.ipce@ubc.ca. Include the following information: meeting name, open or by invitation, anticipated number of participants, objective, a short description of the meeting, and the preferred time (note: meetings would have to be in the early morning, during lunch or in the evening as it cannot conflict with the educational part of the conference). Each meeting request will be reviewed by the planning committee and if approved, will be listed on-site. Please note that there may be an additional cost to host a meeting.

INTERACTION

All sessions will include 25% of audience Q & A and/or discussion.

CONFERENCE UPDATES

For conference updates, please visit:

www.interprofessional.ubc.ca/FASD2017.

Also follow us on Twitter @IPCE_UBC, and #FASD2017

Tuesday, February 28, 2017

FASD and the Law 2017: FASD Through the Criminal Justice System

Organizers:

Frances Gordon, Attorney, Crown Counsel, Youth Court, Vancouver, BC, Canada (ret.)

Fia Jampolsky, Attorney, Aboriginal Law Group, Whitehorse, YT, Canada

Kathryn Kelly, Project Director, FASD Legal Issues Resource Center, University of Washington, Seattle, WA, USA

Michelle Stewart, PhD, Department of Justice Studies, University of Regina; Strategic Lead Justice Interventions, Canada FASD Research Network, Regina, SK, Canada

We invite you to participate in our free day-long workshop on "FASD Through the Criminal Justice System". Join us for round-table discussions with professionals working within the criminal justice system; police, prosecutors, defense counsel, judges, probation officers and corrections officials, illuminating, at each step, the difficulties facing individuals living with FASD. We will also hear from care-givers and parents, who understand, first hand, the challenges of the system and what works and what does not. This session will be both hands on and practical, allowing participants to benefit from hearing the perspectives of others, thereby building capacity for cooperative and critical engagement.

We look forward to welcoming both those who have attended FASD and the Law in 2013 and 2015 and those who are new to this gathering. There will be no cost for the meeting. Lunch will be no-host, available from hotel restaurants and can be brought to the meeting room in order to continue the conversation over lunch. If you'd like to attend, please email Kay Kelly at faslaw@uw.edu with your name, job title, work address and telephone number.

Program At A Glance

Wednesday, March 1, 2017 Pre-conference Day

7:45 – 8:30	Registration Open
8:30 – 12:00	Interactive Full-day Session
12:00 – 1:00	Lunch (provided) & Exhibits
1:00 – 5:00	Full-day Session, <i>Continued</i>

Thursday, March 2, 2017

8:00 – 8:30	Registration Open
8:30 – 9:00	Opening Remarks
9:00 – 10:15	Morning Plenary & Award Presentation
10:15 – 10:45	Break: Exhibits & Posters
10:45 – 12:15	Concurrent Session A
12:20 – 1:30	Lunch (provided) & Exhibits
12:30 – 1:15	Lunch Session
1:30 – 3:00	Concurrent Session B
3:00 – 3:30	Break: Exhibits & Posters
3:30 – 5:00	Plenaries

Friday, March 3, 2017

8:00 – 8:30	Registration Open
8:30 – 10:30	Plenaries
10:30 – 11:00	Break: Exhibits & Posters
11:00 – 12:20	Plenaries, <i>Continued</i>
12:20 – 1:45	Lunch (provided)
12:40 – 1:45	Poster Session
1:45 – 3:15	Concurrent Session C
3:15 – 3:45	Break: Exhibits & Posters
3:45 – 5:15	Concurrent Session D

Saturday, March 4, 2017

8:00 – 8:30	Registration Open
8:30 – 10:00	Plenary
10:00 – 10:30	Break: Exhibits & Posters
10:30 – 12:00	Concurrent Session E
12:00 – 1:00	Lunch (provided)
1:00 – 2:30	Closing Plenaries
2:30	Closing Ceremonies
	Starfish Award Presentation
3:00	Adjourn

Expert Planning Committee

Jan Lutke, Conference Chair, Vancouver, BC, Canada

Michael Charness, MD, Chief of Staff, VA Boston Healthcare System; Faculty Associate Dean, Professor of Neurology, Harvard Medical School; Associate Dean, Professor of Neurology, Boston University School of Medicine, West Roxbury, MA, USA

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Joanne Weinberg, PhD, Professor and Distinguished University Scholar, Emerita, Department of Cellular & Physiological Sciences, University of British Columbia, Vancouver, BC, Canada

Expert Advisory Committee

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Therese Grant, PhD, Professor and Ann Streissguth Endowed Professor in Fetal Alcohol Spectrum Disorders, University of Washington Department of Psychiatry and Behavioral Sciences; Director, Washington State Parent-Child Assistance Program; Director, Fetal Alcohol and Drug Unit, Seattle, WA, USA

The Honourable Judge Mary Kate Harvie, Judge, Provincial Court of Manitoba, Winnipeg, MB

Denis Lamblin, PhD, Pediatrician, President, SAFFRANCE; Delegate Director for Local Networks and Regional, National and International Relations, FASD Resource Center, Père Favron Foundation, Reunion Island, France

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Acknowledgements

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Travel Support



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FASD Leadership Committee

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CJ Lutke
Katrina Griffin

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Audrey Salahub, Executive Director, Fetal Alcohol Spectrum Disorder (FASD) Society for BC Governing Body for The Asante Centre and Minga Marketplace, Maple Ridge, BC

Michelle Sherbuck, Parent, Advocate and Communications Professional, dba Write and Design, Surrey BC

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Marsha Wilson, MA, Leadership, Faculty Member, Douglas College, New Westminster, BC

Kee Warner, Executive Director, Whitecrow Village FASD Society, Nanaimo, BC

Wednesday, March 1 | Pre-conference Day



Stigma and Stereotypes – Where Do We Begin?

The purpose of this day is to begin a much needed dialogue among researchers, clinicians, practitioners, service providers and others working in the fields of alcohol use, addiction, women, and FASD that will:

1. Challenge our thinking around stigma and stereotypes
2. Broaden our understanding of the science and roots of stigma
3. Engage delegates in discussions that can lead to the identification of potential directions for change

All human beings have the right to human dignity. But in the field of FASD, little effort has been made to understand the significant role that stigma and stereotyping play in how we perceive women, women with alcohol use problems, individuals with FASD and how we, as individuals, interact with and contribute to that role. Because this is such a difficult discussion, one that causes unease that we fear may cause further stigma, and that requires we look within ourselves, the field has avoided it. This has the unintended consequence of deepening the marginalization, isolation and exclusion of those most affected: women, individuals with FASD, and their families.

The role of science has been identified as the place to begin discussion. The day will open with an initial question that delegates will be asked to discuss. Then the day will be divided into four topic areas. Each topic will begin with a presentation by experts in the area providing key information that must be understood and considered in the context of a question that will then be posed following each presentation.

Pre-Conference Overview

Registration 7:45 am

Full day session 8:30 am – 5:00 pm

Two short breaks will be scheduled and lunch is provided

Welcome & Opening Remarks

Jan Lutke, Conference Chair, Vancouver, BC, Canada

Overview

Paula Stanghetta, Facilitator, Coach, Trainer, Paula Stanghetta & Associates, Kitchener, ON, Canada

Topic 1 | Evolutionary Origins of Stigma and the Intersectionality of FASD

Peter W. Choate, PhD, Assistant Professor, Social Work, Mount Royal University, Calgary, AB, Canada

Topic 2 | The Neuroscience of Addiction: Is it a Choice?

George F. Koob, PhD, Director, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, Bethesda, MD, USA

Topic 3 | What the Science has to Say about Changing Stigma

Patrick Corrigan, PsyD, Distinguished Professor of Psychology, Lewis College of Human Sciences, Illinois Institute of Technology, Chicago, IL

Topic 4 | Living Stigma

How Social Media Anonymity and the Words We Use Sustain Stigma

Kathleen T. Mitchell, MHS, LCADC, Vice President and International Spokesperson, National Organization on Fetal Alcohol Syndrome (NOFAS), Founder, Circle of Hope, A Mentor Network for Birth Mothers, Washington, DC, USA

Panel Presentation: Living with Stigma – The Not So Pretty

Myles Himmelreich

Bernadette Fuhrmann, Classroom and Community Support Worker, FASD Community Education and Support Consultant, Founder of Wheel of Life Support Services, South Slokan, BC, Canada

Summary & Closing Remarks

Peter W. Choate, PhD, Assistant Professor, Social Work, Mount Royal University, Calgary, AB, Canada

"Step by step, we will break this cycle of silence, poor information and stigma"

—Chevy Chase

8:00 – 8:30 am | Registration Open

Registration Open

8:30 – 9:00 am

Traditional Welcome - Gabriel George
Opening and Welcome Remarks - Jan Lutke

9:00 – 10:00 am | Morning Plenary (Including Q&A)

Geoffrey Robinson Memorial Lecture

The Prevalence and Epidemiologic Characteristics of FASD in General Populations of the United States: Final CoFASP Results

Introduction by: **Kenneth R. Warren, PhD**, Senior Advisor for Operations, FASD and Science, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, Bethesda, MD, USA

Philip A. May, PhD, Research Professor, Gillings School of Global Public Health, University of North Carolina at Chapel Hill-Nutrition Research Institute, Kannapolis, NC, USA

Christina D. Chambers, PhD, MPH, Professor, Department of Pediatrics and Family Medicine and Public Health, School of Medicine; Co-Director, Center for Better Beginnings; University of California San Diego, La Jolla, CA, USA

Learning Objectives:

1. Cite the current general population prevalence of FASD among first grade children in four communities in the USA
2. Present a summary of highlights of the continuum of characteristics of children with and without FASD in these general populations in the USA
3. Provide an overview of the maternal risk factors for FASD that are characteristic of these large community populations

10:00 – 10:15 am

Presentation of the CanFASD Sterling Clarren Award
Presented by: **Drs. Sterling Clarren and Alan Bocking**

10:15 – 10:45 am | Break

Exhibits Open, Poster Viewing

10:45 – 12:15 pm | Concurrent Session A

90-min sessions will incl. 20-25 min of Q & A and/or discussion
20-min oral presentations will incl. 5-min of Q & A

A1 4 Oral Papers

A1a FASD Diagnostic Guidelines: A Neuropsychological Diagnostic Criteria Review Proposal

Óscar García Algar, PhD, Head of Neonatology Unit, Hospital Clinic Barcelona, Grup de Recerca Infancia i Entorn (GRIE), BCNatal, Barcelona, Spain

A1b Medical, Social, Psychological and Psychiatric Implications of FAS in Young Adults in Sweden – a 15-year Follow-up

Valdemar Landgren, MD, Junior Doctor Program, Skaraborg Hospital Skövde, Skövde, Sweden

A1c Interdisciplinary Assessment/Diagnostics in Children with Prenatal Drug Exposure at the Regional Health Authority Resource Center for Children with Prenatal Alcohol/Drug Exposure in Norway

Gro C C Løhaugen, PhD, Clinical Neuropsychologist, Regional Resource Center for Children with Prenatal Alcohol/Drug Exposure, Arendal, Norway
Jon Skranes, MD, Pediatrician, Faculty of Medicine, Norwegian University of Science and Technology, Trondheim, Norway

A1d Social Communicatory Deficits, Autistic Spectrum Disorder and Other Neurodevelopmental Consequences Across the Lifespan Associated with Prenatal Alcohol Exposure and FASD: Findings from the UK FASD National Specialist Behaviour Management Clinic

Raja Mukherjee, MBBS, MRCPsych, PGDipEPP, PhD, Consultant Psychiatrist UK National FASD Behaviour Management Clinic, Surrey and Borders Partnership NHS Foundation Trust, Redhill, Surrey, UK

A2 4 Oral Papers

A2a Ethanol-Induced Neuroinflammation in the Developing Hippocampus: Mast Cells and Microglia

Derick Lindquist, PhD, Assistant Professor, Department of Psychology, The Ohio State University, Columbus, OH, USA

A2b Peroxisome Proliferator-Activated Receptor-γ Agonist Suppression of Neuroinflammation in Animal Models of FASD

Paul Drew, PhD, Professor, Department of Neurobiology and Developmental Sciences, University of Arkansas for Medical Sciences, Little Rock, AR, USA

A2c Methyl Donors and Anti-oxidants Reduce Congenital Heart and Other Defects Induced by Prenatal Alcohol Exposure

Michiko Watanabe, PhD, Professor of Pediatrics, Genetics and Anatomy, Case Western Reserve University School of Medicine; The Congenital Heart Collaborative, Rainbow Babies and Children's Hospital, Cleveland OH, USA

A2d Rodent Models for Medication Development and Their Application to Treat Fetal Alcohol Exposure

Susan Barron, PhD, Professor of Psychology, University of Kentucky, Lexington, KY, USA

A3 4 Oral Papers

A3a Impact of the CHOICES Intervention In Preventing Alcohol-exposed Pregnancies in American Indian Women

Jessica D. Hanson, PhD, Assistant Scientist, Sanford Research; Assistant Professor, Department of Obstetrics and Gynecology, Sanford School of Medicine, University of South Dakota, Sioux Falls, SD, USA

A3b Initial Steps in Establishing Reservation and Urban Community Support/Resources for AIAN Families Dealing with FASD

Annika Montag, PhD, Post Doctoral Scholar, Department of Pediatrics, University of California San Diego, San Diego, CA, USA

A3c Soft Neurological Signs and Prenatal Alcohol Exposure: a Population-based Study in Remote Australia

Barbara Lucas, BAppSc(Phy), MPH, FACP, PhD, Specialist Paediatric Physiotherapist, Discipline of Paediatrics and Child Health, The George Institute for Global Health, Poche Centre for Indigenous Health, Sydney Medical School, The University of Sydney; The Children's Hospital at Westmead, Sydney, Australia

A3d The Sexual Health and Well-being of First Nations Youth with FASD: Perspectives of Care Providers

Alanna Mihic, PhD Candidate, Epidemiology, Dalla Lana School of Public Health, University of Toronto, Toronto, ON, Canada
Florence Large, ICADC, Community Health Educator, Eagle Healing Lodge, Saddle Lake, AB, Canada

A4 Maternal Alcohol Consumption and Maternal Depression: Emerging Role of Immune Activation in Modulating Offspring Outcome

90 minutes | Advanced

Tamara Bodnar, PhD, Postdoctoral Fellow, Cellular and Physiological Sciences, University of British Columbia, Vancouver, BC, Canada

Charlis Raineke, PhD, Research Associate, Cellular and Physiological Sciences, University of British Columbia, Vancouver, BC, Canada

Gretchen Bandoli, PhD, Postdoctoral Fellow, Pediatrics, University of California, San Diego, San Diego, CA, USA

This workshop will integrate data from both basic science and epidemiologic research to provide an overview of the complex and interactive effects of alcohol consumption during pregnancy and maternal prenatal depression, on neuroimmune development. We will review how these exposures can affect long-term health outcomes in the offspring.

Learning Objectives:

1. Gain an understanding of how disturbances in immune function, due to alcohol consumption or maternal depression, can affect neurobehavioral development
2. Compare and contrast evidence from preclinical and clinical research on the effects of alcohol consumption during pregnancy on the offspring's mental health
3. Discuss the impact of alterations in early life immune system development in shaping the response to immune challenge in adulthood, and the possible consequences for health across the life course
4. Discuss critical gaps in the current literature, with appropriate study designs and data collection to address this inconsistent literature

A5 The Essential Role of Growth Deficiency in the Diagnosis of Fetal Alcohol Spectrum Disorder

90 minutes | Intermediate

Susan Astley, PhD, Director, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Professor of Epidemiology/Pediatrics, University of Washington, Seattle, WA, USA

Julia Bledsoe, MD, Director, Center for Adoption Medicine; Member, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Clinical Professor of Pediatrics, University of Washington, Seattle, WA, USA

Julian Davies, MD, Co-Director, Center for Adoption Medicine; Member, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Clinical Professor of Pediatrics, University of Washington, Seattle, WA, USA

Analyses of 1,814 University of Washington patients with prenatal alcohol exposure confirms the role of growth deficiency (GD) in the diagnosis of FASD. GD was: significantly correlated with alcohol; as prevalent as the FAS facial features and CNS abnormalities; and highly correlated with and predictive of severe CNS dysfunction. Individuals with GD had a 2 to 3-fold increased risk for severe CNS dysfunction. GD accurately predicted which infants/toddlers presented with severe CNS dysfunction later in childhood.

Learning Objectives:

1. Understand that GD is significantly correlated with prenatal alcohol exposure after control for other risk factors including tobacco
2. Understand that GD is as prevalent as the other core FASD diagnostic features (the FAS facial features and CNS abnormalities) with 33% presenting < 10th percentile. The most prevalent form of GD is postnatal short stature
3. Understand that GD presents along the full spectrum of FASD diagnoses and increases in prevalence with increasing severity of diagnosis
4. Understand that GD is highly correlated with severe CNS dysfunction and is as strong a predictor of severe CNS dysfunction as the FAS facial phenotype

A6 Growing Evidence for a Scientifically-Validated FASD Intervention and Ideas for Providing FASD-Informed Care: The Families Moving Forward (FMF) Program

90 minutes | Intermediate

Christie Petrenko, PhD, Research Psychologist and Assistant Professor, Mt Hope Family Center, University of Rochester, Rochester, NY, USA

Heather Carmichael Olson, PhD, Clinical Psychologist and Researcher, Clinical Professor, University of Washington School of Medicine and Seattle Children's Research Institute, Seattle, WA, USA

Michele Walker-Bauer, PhD, Clinical Psychologist and FMF Program Supervisor, Violence Intervention Program (VIP), Los Angeles, CA, USA

Accumulated evidence will be presented to support efficacy of the FMF Program for caregivers raising children with FASD. Presentation content will include guiding theoretical models, data on challenges families experience, findings from FMF intervention trials, and practical discussion of FASD-informed care and up to date dissemination of empirically-validated treatments. Intriguing case studies from a practicing FMF Specialist will also be presented.

Learning Objectives:

1. Evaluate the most common unmet needs of caregivers of preschool and school-aged children with FASD, and systems-level barriers experienced by these families
2. Analyze theoretical models underlying parent training and family support programs for FASD
3. Synthesize current evidence supporting the efficacy of the FMF Program.
4. Explore how to apply evidence from research studies on FMF to carry out FASD-informed care, and increase dissemination and uptake of empirically-validated treatments

A7 Speech Impairment in Children with FASD: Causes, Consequences, Clinical Profiles, and Treatment

90 minutes | Introductory

Hayo Terband, PhD, MA, LLM, Assistant Professor, Department of Languages, Literature and Communication & Utrecht Institute of Linguistics-OTS, Utrecht University, Utrecht, The Netherlands

Manon Spruit, MSc, Speech-Language Pathologist, Logopädie & Stottertherapie Lingen, Ems, Germany

This session first addresses the importance of verbal communication skills for behavioral and cognitive development. It will then explain speech production symptoms, characterize the speech impairment and discuss the implications for treatment. Finally, it will explore clinical cases to demonstrate speech-language therapy in FASD and discuss do's and don'ts.

Learning Objectives:

1. Understand the detrimental effect of verbal communication impairment on social-emotional, behavioral and cognitive development
2. Characterize the speech impairment in FASD
3. Explain the main mechanisms underlying impaired speech development in FASD
4. Identify targets for clinical intervention

A8 Development of an Algorithm for Use in the Pharmacological Treatment for Persons with FASD Across the Lifespan

90 minutes | Advanced

Mansfield Mela, MBBS, FWACP, FRCPsych, MSc, FRCPC, Professor, Department of Psychiatry, University of Saskatchewan, Saskatoon, SK, Canada

This session will present the steps taken towards developing the first-ever algorithm for psychotropic medication for treating those with FASD. The need for evidence based recommendations in this area will be emphasized. It will review the current state of the evidence on the use of psychotropic medication in individuals with FASD based on a systematic review of the literature. The process that has been initiated to develop recommendations for use of a psychotropic algorithm in FASD will be discussed.

Learning Objectives:

1. Learn about a systematic review, and its methodology in the field of pharmacotherapy use in FASD
2. Become more aware of the potential benefits and side effects to expect when using psychotropic medications in those with FASD based on the evidence from the systematic review
3. Raise awareness of the current need for an evidenced based algorithm for psychotropic medication in FASD
4. Understand the process used to initiate the steps towards development of the first-ever algorithm

A9 Eye Movements and Brain Magnetic Resonance Imaging: Non-invasive Insights into FASD and Correlations Between Brain Structure and Behaviour

90 minutes | Advanced

James Reynolds, PhD, Professor, Department of Biomedical and Molecular Sciences, Centre for Neuroscience Studies, Queen's University, Kingston, ON, Canada

Christian Beaulieu, PhD, Professor, Department of Biomedical Engineering & Neurosciences and Mental Health Institute, University of Alberta, Edmonton, AB, Canada

This presentation will describe the results of a large, multi-site investigation carried out across Canada involving children/youth with FASD and typically developing controls. Each participant completed a battery of structural and functional imaging protocols and neurobehavioural assessments including eye movement control tasks, which allowed for analyses of the relationships between brain structure and functional outcomes.

Learning Objectives

1. Learn about the range of structural and functional anomalies that occur in the brain of children/youth with FASD.
2. Learn how the performance of eye movement control tasks can be used as a proxy for the brain injury in children/youth with FASD, and how these tests may be used as high-throughput screening tools to assess brain injury in clinical populations.

A10 The First Australia Study to Screen and Diagnose Fetal Alcohol Spectrum Disorders Among Sentenced Youth

3 hour | Intermediate

Raewyn Mutch, MBChB, DipRACOG, FRACP, PhD, Chief Investigator, Clinical Associate Professor and Paediatrician, Faculty of Medicine, Dentistry and Health Sciences, University of Western Australia; Senior Research Fellow, Telethon Kids Institute, University of Western Australia;

Consultant Paediatrician, Department of General Paediatrics and Department of Adolescent Medicine, Perth Children's Hospital, Perth, WA, Australia

Bernadette Safe, BSc (OT), Occupational Therapist, Telethon Kids Institute, Perth, WA, Australia

Carmela Pestell, BPsych, MPsych(Clin), DPsych (Clin), MPsych(Neuropsych), Associate Investigator, Associate Professor and Clinical Psychologist and Clinical Neuropsychologist, School of Psychology and Robin Winkler Clinic, University of Western Australia, Perth, WA, Australia

Jacinta Freeman, BSc (Nursing), Post Grad Dip. Paediatrics, Midwifery & Health Sciences, Research Coordinator, Telethon Kids Institute, University of Western Australia and Curtin University, Perth, WA, Australia

Hayley Passmore, BCrim, BAPsych (Hons), PhD Candidate, Telethon Kids Institute, University of Western Australia and School of Paediatrics and Child Health, Faculty of Medicine, Dentistry and Health Sciences, University of Western Australia, Perth, WA, Australia

This session will delineate the complex aetiologies for incarceration of Australian Youth, including the legacy of colonisation and the stolen generation, with loss of place, law and culture, the impact social marginalisation, intergenerational disadvantage and lived trauma, prenatal exposures including alcohol and morbidities arising from health and education inequities and high risk choices.

Learning Objectives:

1. Understand the range and diversity of impairments present among incarcerated youth and the importance of cross-cultural assessments and assessments in languages other than English
2. Understand factors contributing to incarceration and demonstrate the value of clinical assessment referral and care plan development
3. Delineate the study outcomes which correlate most significantly with a diagnosis of FASD and explore the important differences in life history and test outcomes for co-morbid diagnoses among the sentenced youth
4. Explore the legal ramifications of the findings, the evidence based methods of care for managing youth who have cognitive impairment and FASD in high risk and high security settings and the barriers and enablers for system change

12:15 – 1:30 pm | Lunch (provided)

Exhibits Open, Poster Viewing

12:30 – 1:15 pm | Lunch Session

FASD in Australia: From Fiction to Fact and to the Future

Elizabeth Elliott, AM, MD, MPhil, MBBS, FRACP, FRCPC, FRCP, Child and Adolescent Health, Sydney Medical School, University of Sydney; and The Sydney Children's, Hospitals Network, Westmead, Sydney, Australia

1:30 – 3:00 pm | Concurrent Session B

90-min sessions will incl. 20-25 min of Q & A and/or discussion

20-min oral presentations will incl. 5-min of Q & A

B1 4 Oral Papers

B1a Self-reported Receipt of Alcohol Screening and Brief Intervention Among Women of Reproductive Age in the United States, 2014

Clark Denny, PhD, Health Scientist, Centers for Disease Control and Prevention (CDC), Atlanta, GA, USA

B1b Screening for Alcohol Misuse: Practices Reported by US Primary Care Providers, DocStyles 2015

Cheryl Tan, MPH, Health Scientist, Centers for Disease Control and Prevention (CDC), Atlanta, GA, USA

B1c The Nurse's Role in Alcohol Screening and Brief Intervention (aSBI) as an FASD Prevention Strategy

Marilyn Pierce-Bulger, MN, FNP-BC, CNM, Owner- FASDx Services LLC; Consultant, CDC-PIC, University of Alaska Center for Behavioral Health Research and Services, Anchorage AK, USA

B1d Preventing Alcohol Exposure During Pregnancy in the European Region – Evidence, Case Stories and Challenges

Lisa Schölin, PhD Student, Consultant, Alcohol and Illicit Drugs, Division of NCDs and Promoting Health through the Life-Course, World Health Organization Regional Office for Europe, Copenhagen, Denmark

B2 4 Oral Papers

B2a Examining the Genetic and Epigenetic Contributions to Ethanol-Induced Cell Death in the Developing Neural Tube Evaluated Using Mouse Models

Kristin Hamre, PhD, Associate Professor, Department of Anatomy and Neurobiology, University of Tennessee Health Science Center, Memphis, TN, USA
Daniel Goldowitz, PhD, Professor, Scientific Director, Centre for Molecular Medicine and Therapeutics, Child and Family Research Institute, Department of Medical Genetics, University of British Columbia, Vancouver, BC, Canada

B2b Perinatal Maternal Alcohol Consumption and Methylation of the Dopamine Receptor DRD4 in the Offspring: the Triple B Study

Elizabeth Elliott, AM, MD, MPhil, MBBS, FRACP, FRCPC, FRCP, Child and Adolescent Health, Sydney Medical School, University of Sydney; and The Sydney Children's, Hospitals Network, Westmead, Sydney, Australia

B2c Genetic Susceptibility to FASD

Johann Eberhart, PhD, Associate Professor, Department of Molecular Biosciences, University of Texas at Austin, Austin, TX, USA

B2d Epigenetic Changes in Human and Primate Brain Tissue Exposed to Alcohol in Utero

Jessica Jarmasz, BSc, PhD Candidate, Department of Human Anatomy and Cell Science, University of Manitoba; Children's Health Research Institute of Manitoba, Winnipeg, MB

B3 4 Oral Papers

B3a Inattention and Impulsivity Associated with Prenatal Alcohol Exposure in a Prospective Cohort Study with 11-year-old Brazilian Children

Erikson F Furtado, University of Sao Paulo, School of Medicine of Ribeirao Preto, Department of Neurosciences and Behavior, Division of Psychiatry, Child & Adolescent Psychiatry and Mental Health, Alcohol & Drugs Program - PAI-PAD, Sao Paulo, Brazil

B3b Stamp out Stigma: How Shame and Blame Hinder FASD Prevention, Diagnosis and Treatment

Kathleen T. Mitchell, MHS, LCADC, Vice President and International Spokesperson, National Organization on Fetal Alcohol Syndrome (NOFAS), Washington, DC, USA

B3c Evaluating the Neural Plastic Effects of Working Memory Training on an Adult with Fetal Alcohol Spectrum Disorder

Ada Leung, PhD, Assistant Professor, Department of Occupational Therapy, University of Alberta, Edmonton, AB, Canada

Sharon Brintnell, MSc, FCAOT, FWFOT, Director, Occupational Performance Analysis Unit; Professor, Department of Occupational Therapy, University of Alberta, Edmonton, AB, Canada

Monty Nelson, PhD, Rpsych, Adjunct Professor, Department of Educational Psychology, University of Alberta, Edmonton, AB

B3d Iron Conundrum: Clinical Implications of Prenatal Alcohol Exposure on Iron and Sleep and Wake Disorders

Osman S. Ispiroglu, MD, FRCPC(C), PhD, Developmental Paediatrician, Sleep/Wake Behaviours Research Lab and Clinic, BC Children's Hospital, Clinical Associate Professor, Department of Paediatrics, University of British Columbia, Vancouver, BC

Amy Salmon, PhD, Scientist and Program Head, Knowledge Translation, Centre for Health Evaluation and Outcome Sciences (CHEOS); Clinical Assistant Professor, UBC School of Population and Public Health, Vancouver, BC

B4 Neuro-Epigenetics and Brain Development; The Molecular Mechanisms and Epigenetic Factors Involved in FASD Pathobiology

90 minutes | Advanced

Mojgan Rastegar, PhD, Associate Professor, Department of Biochemistry and Medical Genetics, University of Manitoba, Winnipeg, MB

Geoff Hicks, PhD, Professor, Director, Regenerative Medicine Program, University of Manitoba, Winnipeg, MB

This presentation will highlight some of the new findings on the epigenetic mechanisms contributing to FASD pathobiology and their potential reversibility. Epigenetics determine cellular identity and morphology of individual cells in the body through mechanisms that are not directly dictated by genomic DNA, a process that is altered by alcohol exposure during development. Unlike genetic mutations that are stable, there are chemical compounds and possible treatments with specific drugs that are capable of altering different epigenetic modifications, and thus they can have potential therapeutic targets. Knowledge of the reversible mechanisms may have important applications for novel therapeutic strategies, and the results of this research are expected to provide significant insight for such future FASD therapeutic strategies.

Learning Objectives:

1. Understand the harmful effects of alcohol on the developing brain cells through disruption of main epigenetic mechanisms
2. Understand the global and gene-specific effects of alcohol in the developing brain cells
3. Consider the potential for therapeutic use of this work

B5 Dysmorphology Methods, Neurobehavioral Testing, and Selected Findings on the Traits of U.S. Children from the CoFASP Initiative for Diagnosing the Full Continuum of FASD in General Populations

90 minutes | Intermediate

H. Eugene Hoyme, MD, Chief, Genetics and Genomic Medicine, Sanford Health; Emeritus Professor of Pediatrics, the University of South Dakota Sanford School of Medicine; Senior Advisor, Center for Applied Genetics and Genomic Medicine; Professor of Pediatrics and Medicine, The University of Arizona College of Medicine, Tucson, AZ, USA

Kenneth L. Jones, MD, Professor of Pediatrics, School of Medicine, The University of California, San Diego, San Diego, CA, USA

Michael E. Charness, MD, Chief of Staff, VA Boston Healthcare System; Faculty Associate Dean, Professor of Neurology, Harvard Medical School; Associate Dean, Professor of Neurology, Boston University School of Medicine, West Roxbury, MA, USA

Wendy Kalberg, MA, CED, Principal Investigator and Clinical Research Associate, Center on Alcoholism, Substance Abuse, and Addictions (CASAA), The University of New Mexico, Albuquerque, NM, USA

Claire Coles, PhD, Director, Center for Maternal Substance Abuse and Child Development; Professor of Psychiatry and Behavioral Sciences and of Pediatrics, Emory University School of Medicine, Atlanta, GA, USA

Diagnostic procedures and criteria used in the Collaboration on FASD Prevalence (CoFASP) will be presented. This presentation will cover the CoFASP investigators' procedures and empirical evidence for diagnosing the range of FASD diagnoses with newly-revised criteria of the U.S. Institute of Medicine: dysmorphism and physical traits; cognitive and behavioral batteries, and criteria for alcohol exposure.

Learning Objectives:

1. Learn the current methods and criteria used for the diagnosis of FASD in the CoFASP initiative which have been used in multiple other populations around the world and which are appropriate for research and clinical work in most any human population
2. Present descriptive highlights of the continuum of physical characteristics and minor anomalies present in children with and without FASD in general populations of the USA
3. Understand the cognitive and behavioral traits for children with and without FASD that are characteristic of first grade children in general U.S. populations

B6 An Attachment Home Visiting Program with Preschool Children Prenatally Exposed to Alcohol: A Descriptive Study and Discussion

90 minutes | Intermediate

Ana Hanlon-Deerman, MD, Developmental Pediatrician, Medical Director, Manitoba FASD Centre and Network; Associate Professor, Department of Pediatrics and Child Health, University of Manitoba, Winnipeg, MB, Canada

Karen Johnston, Behavioural Specialist, Behavioral Psychology and FASD Program, Family Services: Government of Manitoba, Winnipeg, MB, Canada

Julia Wellwood, Behavioural Specialist, Behavioral Psychology and FASD Program, Family Services: Government of Manitoba, Winnipeg, MB, Canada

This presentation describes a unique attachment focused intervention protocol study involving children affected by PAE and their caregivers in a community-based setting. The presentation will examine the results, and provide a discussion about the ways in which the complexities of community-based attachment intervention and research can be considered during planning and implementation.

Learning Objectives:

1. Review current literature on FASD and attachment
2. Present research findings on a community-based attachment focused intervention with preschool children with PAE
3. Review and discuss community-based implementation experiences and recommendations for both family centred intervention as well as research

B7 Two 45 minute sessions | Intermediate

B7a Moving FASD from the Margins to the Mainstream: The New Zealand Experience

Christine Rogan, BA, Health Promotion Advisor & FASD Project Coordinator, Alcohol Healthwatch Newmarket, Auckland, New Zealand

Andi Crawford, MSc, Clinical Psychologist, Wāhanga Whakapakari Tamaiti (Child Development Service), Hawke's Bay District Health Board, Hastings, New Zealand

Kate Robertshaw, MBChB(Hons) FRACP, Neurodevelopmental Paediatrician, Wāhanga Whakapakari Tamaiti (Child Development Service), Hawke's Bay District Health Board, Hastings, New Zealand

This session explores the multiple elements that led to the development of New Zealand's first Government policy to address FASD. The audience will hear how the initiative and commitment of a small group of key stakeholders, culminated in this much needed paradigm shift.

Learning Objectives:

1. Learn how the practical experiences of stakeholders applying a multi-level teamwork approach, achieved policy change at a regional and national level

2. Discuss the elements needed to create social and political readiness for change

B7b 'Making it Real, Keeping it Real' – Collaboration to Improve Outcomes for Aotearoa New Zealand Children with FASD in Care

Rose Hawkins, Regional Disability Advisor, Child Youth and Family, Auckland and Te Tai Tokerau Regions, Auckland, New Zealand

Christine Rogan, BA, Health Promotion Advisor & FASD Project Coordinator, Alcohol Healthwatch Newmarket, Auckland, New Zealand

Through collaboration, New Zealand's child protection services have been building awareness about FASD and intervention approaches. This presentation highlights multi-media/resources from prevention to building hope and understanding around intervention, creating interest about FASD within Government and other sectors.

Learning Objectives:

1. Consider the approach taken to build awareness about FASD and FASD skills in a child protection organisation, in a New Zealand context
2. Consider FASD with a cultural lens from a New Zealand perspective

B8 Motor Skills and FASD: Translating Knowledge into Clinical Practice – from Three Countries

90 minutes | Intermediate / Advanced

Tracy Jirikowic, PhD, OTR/L, Associate Professor, Division of Occupational Therapy, Department of Rehabilitation Medicine, University of Washington School of Medicine, Seattle, WA, USA

Barbara Lucas, BAppSc(Phy), MPH, FACP, PhD, Specialist Paediatric Physiotherapist, Discipline of Paediatrics and Child Health, The George Institute for Global Health, Poche Centre for Indigenous Health, Sydney Medical School, The University of Sydney; The Children's Hospital at Westmead, Sydney, Australia

Alison Pritchard Orr, MSc, Associate Professor, Department of Kinesiology, University of the Fraser Valley, Chilliwack, BC, Canada

Kathy Keiver, PhD, Associate Professor, Department of Kinesiology, University of the Fraser Valley, Abbotsford, BC, Canada

Lin-Ya Hsu, PhD, Postdoctoral Fellow, Division of Physical Therapy, Department of Rehabilitation Medicine, University of Washington, Seattle, WA, USA

This session will present international perspectives on best practices for motor assessment. It will review available pre-clinical and clinical evidence supporting interventions that aim to remediate motor impairments and/or use exercise or movement-based approaches to enhance behavior and learning for children with FASD.

Learning Objectives:

1. Review evidence based literature (including observational and neuroimaging studies) regarding motor deficits associated with PAE and/or FASD
2. Recognize the importance of motor skill assessment in FASD diagnosis, and appreciate differences between international FASD guidelines in motor skill assessment
3. Be cognizant of standardized assessment tools available for motor assessment and identify issues related to their use in the diagnosis of FASD (i.e. cut-offs to determine impairment, comprehensive vs screening assessments, outcome reporting)
4. Examine evidence based literature (including animal studies) and highlight current intervention research to guide interventions for children with motor deficits associated with a FASD diagnosis and consider implications for clinical practice

B9 Making FASD History: FASD Diagnosis, Prevention and Interventions – Evaluating and Scaling Up Successful Models in Remote Australian Communities

90 minutes | Intermediate

Martyn Symons, PhD, BSc, BA(Hons), Senior Data and Statistics Manager and Postgraduate Researcher, Telethon Kids Institute, West Perth, WA, Australia

James Fitzpatrick, PhD, MBBS, FRACP, BSc, Director, PATCHES Paediatrics; Head of FASD Research, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia

June Oscar, Chief Executive Officer, Marninwarntikura Women's Resource Centre, Fitzroy Crossing, WA, Australia

Kaashifah Bruce, BSc, MPH, Program Manager Kimberley and Pilbara FASD Research, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia

Bree Wagner, BA(Ed)/BSocSc, Senior Research Officer, Telethon Kids Institute, The University of Western Australia, Perth, WA, Australia

Roz Walker, PhD, BA (Hons), Associate Professor, Program Manager, Developmental Origins of Health and Development Head, Aboriginal Maternal Health and Child Development at the Telethon Kids Institute, Perth, Australia

The multi-strategy community led approach to FASD in the Fitzroy Valley has shown that strong partnerships between communities and researchers can achieve significant results and provides a blueprint for successful implementation by other communities (Pilbara FASD Strategy). A background overview, followed by evaluations of prevention, diagnosis, and intervention research will be presented.

Learning Objectives:

1. Overview the methods for a multi-level, culturally appropriate, community-led strategic approach to overcoming FASD within a remote Indigenous community – including prevention, intervention, diagnosis and support
2. Understand the key results of an evaluation of the community approach in different areas: Prevention (Systematic review, Knowledge, Attitudes & Practices survey, alcohol consumption during pregnancy). Intervention (AlertProgram® Pilot Study). Diagnosis (PATCHES multi-disciplinary clinics, survey of caregiver experiences and opinions)
3. Learn how the strategies can be translated to a new site with examples from Pilbara communities in Australia including future therapeutic family support

B10 3-Hour Session A10 Continued

3:00 – 3:30 pm | Break

Exhibits Open, Poster Viewing

3:30 – 5:00 pm | Plenaries | Country Highlight

A Global Picture of FASD: Alcohol, Incidence and Practicality

Vladimir Poznyak, Coordinator, Management of Substance Abuse, World Health Organization, Geneva, Switzerland

Svetlana (Lana) Popova, MD, PhDs, MPH, Senior Scientist, Institute for Mental Health Policy Research, Centre for Addiction and Mental Health; Associate Professor, Epidemiology Division, Dalla Lana School of Public Health, University of Toronto; Associate Professor, Factor-Inwentash Faculty of Social Work, University of Toronto; Graduate Faculty Associate Member, Institute of Medical Science, University of Toronto, Toronto, ON, Canada

Larry Burd, PhD, Director, North Dakota Fetal Alcohol Syndrome Center, Department of Pediatrics, School of Medicine and Health Sciences, University of North Dakota, Grand Forks, ND, USA

Learning Objectives:

1. Provide an update on the global health burden of alcohol use and abuse in women
2. Learn about the estimated incidence of children born with FASD in the world annually
3. Learn about an enhanced practical approach to diagnosis appropriate for community settings

8:00 – 8:30 am | Registration Open

8:30 – 10:30 am | Plenaries

FRIDAY

Plenary 1 (Advanced)

Country Highlight

The Collaborative Initiative on FASD: New Findings on Screening

Edward Riley, PhD, Director, Center for Behavioral Teratology, Distinguished Professor, Department of Psychology, San Diego State University, San Diego, CA, USA

Screening the Face for the Effects of Prenatal Alcohol Exposure

Peter Hammond, PhD, Senior Fellow in Medical Imaging, Big Data Institute and Nuffield Department of Obstetrics and Gynaecology, University of Oxford, Oxford, UK

Learning Objectives:

1. Recognize how facial evaluation contributes to clinical evaluation in a FASD clinic
2. Identify how screening of 3D face shape might be effective in the clinical situation

Brain Imaging and Connectivity, an Adjunct to Screening

Jeffrey Wozniak, PhD, Associate Professor, Pediatric Neuropsychologist, Fetal Alcohol Spectrum Disorders Research Program, University of Minnesota, Minneapolis, MN, USA

Learning Objectives:

1. Explain the limitations of current screening methodologies for FASD and explain the potential role of brain imaging in moving screening/diagnostic methods forward
2. Describe how functional connectivity metrics reflect underlying global abnormalities in information processing and how these are related to prenatal alcohol exposure

The Use of Functional Near-Infrared Spectroscopy to Differentiate Alcohol-Related Neurodevelopmental Impairment During a Task Eliciting Emotional Frustration

Julie Kable, Assistant Director, Emory Neurodevelopmental Exposure Clinic, Emory University School of Medicine, Atlanta, GA, USA

Learning Objectives:

1. Demonstrate how prefrontal cortical activity can be assessed using functional near infrared spectroscopy
2. Analyze the ways in which prefrontal cortical activity is altered in children with a history of prenatal alcohol exposure relative to typically developing children and relative to children with other clinical problems and no history of prenatal alcohol exposure
3. Assess real world implications of having problems with activation of the

Plenary 2 (Simultaneous)

FASD Prevention Research – State of the Evidence, and Plans for a Global Network

This plenary will involve researchers and mothers from around the globe in: describing current research on FASD prevention; considering the implications of this research for diverse women, families and communities; and discussing potential plans for action on studying prevention intervention, with multi-country involvement. The plenary will include substantive opportunity for audience questions and discussion of the presentations and plans.

Learning Objectives:

1. Learn about global exemplars of research on prevention of FASD
2. Witness the involvement of birth mothers together with researchers, in FASD prevention research and knowledge translation activities
3. Consider the importance of approaches to prevention that are theory based and have a determinants of health lens, not only a narrow focus on alcohol use
4. Learn of plans for a large multi-site, multi country prevention intervention designed to promote positive change in knowledge, attitudes and practice and build worldwide FASD prevention infrastructure

Setting The Stage | What is Involved in the Study of FASD Prevention

An introduction to the multiple levels of action required to reach women and families in different contexts, facing different levels of burden, and the range of research required to evidence it.

Moirá Plant, PhD, Professor of Alcohol Studies Alcohol & Health Research Unit, University of the West of England, Bristol, UK

Nancy Poole, Director, Centre of Excellence for Women's Health; Prevention Lead, CanFASD Research Network, Victoria, BC, Canada

PART 1 | FASD Prevention with Indigenous Communities

Evidence for multi-faceted, culturally relevant, community-led approaches.

James Fitzpatrick, MBBS, FRACP, BSc, PhD, Director, PATCHES Paediatrics; Head of FASD Research, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia

Kaashifah Bruce, BSc, MPH, Program Manager Kimberley and Pilbara FASD Research, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia

Plenary 1, Continued

medial prefrontal cortex with greater oxygen depletion in all areas of the prefrontal cortex

4. Examine how fNIR assessments could be used as a screening tool to identify children with alcohol-related neurodevelopmental damage

Using a Decision Tree to Identify Individuals Affected by Prenatal Alcohol Exposure

Sarah Mattson, Licensed Clinical Psychologist, San Diego State University, San Diego, CA, USA

Learning Objectives:

1. Describe a clinically-useful decision tree model for identifying children affected by prenatal alcohol exposure
2. Illustrate classification accuracy, sensitivity, specificity, positive predictive value, and negative predictive value

Plenary 2, Continued

June Councillor, BSc, CEO of Wirraka Maya Aboriginal Health Service and Senior Aboriginal leader of the Making FASD History Pilbara program, Hedland, WA, Australia.

PART 2 | International Research on Discussing Alcohol with Women and Their Partners, and Empowering Professionals to Have These Conversations

Findings from multiple countries will be shared.

Tatiana Balachova, PhD, Associate Professor, Co-Director, Interdisciplinary Training Program in Child Abuse and Neglect (ITP), Department of Pediatrics, The University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA

Jocelynn L. Cook, PhD, MBA, Scientific Director, The Society of Obstetricians and Gynaecologists of Canada (SOGC), Ottawa, ON, Canada

Leana Olivier, Chief Executive Officer, Foundation for Alcohol Related Research (FARR), Bellville, Cape Town, South Africa

Cheryl Tan, MPH, Health Scientist, Centers for Disease Control and Prevention (CDC), Atlanta, GA, USA

Audience questions and comments on implications for practice and policy.

10:30 – 11:00 am | Break
Exhibits Open, Poster Viewing

11:00 – 12:20 | Plenaries Continued

Plenary 1, Continued

miRNA Biomarkers for Fetal Alcohol Exposure in Pregnant Women

Rajesh Miranda, Professor, Department of Neuroscience, Texas A&M Health Science Center, Texas A&M University, Bryan, TX, USA

Learning Objectives:

1. Identify the application of blood-borne biomarkers in pregnancy on outcomes and diagnoses of FASD
2. Describe basic cell biology and diagnostic applications for secreted small RNAs

Immune Biomarkers of Prenatal Alcohol Exposure: How These Relate to Screening

Joanne Weinberg, PhD, Professor and Distinguished University Scholar, Emerita, Department of Cellular & Physiological Sciences, University of British Columbia, Vancouver, BC, Canada

Learning Objectives:

1. Explain why it is important to examine the effects of alcohol on the immune system
2. Identify what cytokines are and why they are important to an individual's development and health
3. Examine what we can learn about alcohol's effects by measuring cytokines in plasma from pregnant women and their children

Alterations in Genes Impacting Circadian Rhythms and Stress Axis: Possible Markers for FASD

Dipak K. Sarkar, PhD, DPhil, Board of Governors Professor, Director, Rutgers Endocrinology Program; Distinguished Professor, Department of Animal Science, Rutgers, The State University of New Jersey, New Brunswick, New Jersey, USA

Learning Objectives:

1. Understand circadian and stress abnormalities in individuals with FASD
2. Explore how epigenetic studies help understanding circadian and stress abnormalities
3. Understand if there is a potential to develop epigenetic mark-based biomarkers in children with FASD

Global Health and Technology: How New Technologies Might Impact FASD Screening

Michael E. Charness, MD, Chief of Staff, VA Boston Healthcare System; Faculty Associate Dean, Professor of Neurology, Harvard Medical School; Associate Dean, Professor of Neurology, Boston University School of Medicine, West Roxbury, MA, USA

(Learning Objectives on next page)

Plenary 2, Continued

PART 3 | Research On Reaching and Engaging Women and Children Using Approaches that are Theory Based, and Have an Equity Lens

Birth mothers' wisdom on needed research and practice and policy improvements will also be a focus.

Janet Christie, CPRC, Certified Professional Recovery Coach, Janet Christie Addiction Recovery Coaching and Consulting, Victoria, BC, Canada

Margaret Leslie, Dip. CS, Director, Early Intervention Programs, Mothercraft/Breaking the Cycle, Toronto, ON, Canada

Mary Motz, PhD, CPsych, Clinical Psychologist, Mothercraft - Breaking the Cycle, Toronto, ON, Canada

Anne Russell, Russell Family Fetal Alcohol Disorders Association, Australia

Pippa Williams, UK & European Birth Mothers Network, UK

Audience questions and comments on implications for practice and policy.

PART 4 | Plans for International FASD Prevention Research Infrastructure

This final section of the plenary will describe plans for a global network of researchers on FASD prevention, undertaking research that involves women/communities, focuses on determinants of health as well as alcohol, and includes policy responses. Audience members will have the opportunity share ideas for action on research, in groups chaired by the plenary leaders.

James Fitzpatrick, MBBS, FRACP, BSc, PhD, Director, PATCHES Paediatrics; Head of FASD Research, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia

Nancy Poole, Director, Centre of Excellence for Women's Health; Prevention Lead, CanFASD Research Network, Victoria, BC, Canada

Sylvia Roozen, MSc, Researcher FASD, Governor Kremers Centre, Maastricht University Medical Centre, Maastricht, The Netherlands

With

Tatiana Balachova, Russia

Leana Olivier, South Africa

Moira Plant, UK

Cheryl Tan, USA

And all other plenary presenters

Plenary 1, Continued

Learning Objectives:

1. Understand the challenges in diagnosing children with FASD when experienced practitioners are unavailable in areas with affected children
2. Explore the opportunities for remote diagnosis of FASD using tools under development by CIFASD
3. Appreciate the potential and challenges of using mobile technology for the diagnosis of FASD and the delivery of interventions

12:20 – 1:45 pm | Lunch (provided)

12:40 – 1:45 pm | Poster Session

1:45 – 3:15 pm | Concurrent Session C

90-min sessions will incl. 20-25 min of Q & A and/or discussion

20-min oral presentations will incl. 5-min of Q & A

C1 4 Oral Papers

C1a Choline as a Neurodevelopmental Intervention in Young Children with FASD

Jeffrey Wozniak, PhD, Associate Professor, Pediatric Neuropsychologist, Fetal Alcohol Spectrum Disorders Research Program, University of Minnesota, Minneapolis, MN, USA

C1b Prenatal Ethanol Exposure Induces Deficits in Cognitive Function in Adulthood; Improvement with Choline and Behavior Training

Sandra Mooney, PhD, Associate Professor and Co-Director, Neonatal – Perinatal Medicine Fellowship, Department of Pediatrics, School of Medicine, University of Maryland, Baltimore, MD, USA

C1c Docosahexaenoic Acid (DHA) and Choline Act Synergistically in a Natural Therapeutic Prenatal Intervention for FASD

Carol L. Cheatham, PhD, Associate Professor of Psychology & Neuroscience, Nutrition Research Institute, University of North Carolina at Chapel Hill, NC, USA

C2 4 Oral Papers

C2a Might an Ophthalmological Examination be Helpful When Diagnosing a Child with Suspected FASD?

Emelie Gyllencreutz, PhD Student, Ophthalmologist, Department of Clinical Neuroscience, Institute of Neuroscience and Physiology, Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden

Eva Aring, PhD, Orthoptist, Director, Eye Department, Capio Lundby Närsjukhus; Department of Clinical Neuroscience, Institute of Neuroscience and Physiology, Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden

C2b Development of Multidirectional Optical 3D Scanning System for Diagnosis of Foetal Alcohol Syndrome

Krzysztof Brzozka, MSc, Director, State Agency for Prevention of Alcohol Related Problems, Warsaw, Poland

C2c No Amount of Alcohol is without Consequence: Association Between Prenatal Alcohol Exposure and Facial Shape of One-year Old Children

Elizabeth Elliott, AM, MD, MPhil, MBBS, FRACP, FRCPCH, FRCP, Child and Adolescent Health, Sydney Medical School, University of Sydney; and The Sydney Children's, Hospitals Network, Westmead, Sydney, Australia

C2d Neurodevelopmental Outcomes in Individuals with Heavy Prenatal Alcohol Exposure and a FASD Diagnosis, with and without Exposure to Neglect: A Natural Experiment in Patients Seen in a National FASD Diagnostic Clinic. Initial Findings

Raja Mukherjee, MBBS, MRCPsych, PGDipEPP, PhD, Consultant Psychiatrist UK National FASD Behaviour Management Clinic, Surrey And Borders Partnership NHS Foundation Trust, Redhill, Surrey, UK

"Knowledge has to be improved, challenged, and increased constantly, or it vanishes."

Peter F. Drucker

C3 4 Oral Papers

C3a The Collective Impact of Social Factors, Mental Health, and FASD on Reoffending in a Sample of Youth Probationers

Adrienne Peters, PhD, Assistant Professor, Department of Sociology, Memorial University of Newfoundland, St. John's; fasdNL Board Member, St. John's, NFLD, Canada

C3b Self-reported Health, Use of Alcohol and Illicit Drugs, and Criminality among Adults with Fetal Alcohol Syndrome in Sweden

Jenny Rangmar, PhD, Researcher, Department of Psychology, University of Gothenburg, Gothenburg, Sweden

C3c Medical, Social, Psychological and Psychiatric Implications of FAS on Young Adults in Sweden – a 15-year Follow-up (A1b repeated)

Valdemar Landgren, MD, Junior Doctor Program, Skaraborg Hospital Skövde, Skövde, Sweden

C3d Sleep and Melatonin Secretion Abnormalities in Children and Adolescents with Fetal Alcohol Spectrum Disorders

Louise Scott, PhD, Paediatric Neuropsychologist, Dr Scott & Associates, Paris; Peel FASD Diagnostic Services Team, Mississauga, ON, Canada

C4 Neuronal Migration, Cortical Form and Function in a Mouse Model of FASD

90 minutes | Advanced

Hermes Yeh, PhD, William W. Brown Professor of Physiology and Neurobiology, Department of Molecular and Systems Biology, Geisel School of Medicine, Dartmouth, Lebanon, NH, USA

Jonathan Brigman, PhD, Assistant Professor and Regents Lecturer, Department of Neurosciences, University of New Mexico Health Science Center, Albuquerque, NM, USA

Children prenatally exposed to alcohol frequently have behavioral and cognitive impairments. This advanced science presentation will summarize preclinical research approaches, using different mouse models of FASD to investigate how prenatal alcohol exposure affects cortical development, neural circuit function and behavior. It will also discuss the prospect of prenatal pharmacological intervention.

Learning Objectives:

1. Increase understanding of neuronal migration in cortical development
2. Expand understanding of short-term effect of early gestational alcohol exposure on neuronal migration
3. Increase understanding of long-term effects of prenatal alcohol exposure on cortical form, function, and behavior
4. Learn about the role of chloride homeostasis in regulating the effects of alcohol on neuronal migration

C5 Determining the Population-based Prevalence and Characteristics of the Full Continuum of FASD in the United States and a Presentation of the Child and Maternal Risk Findings from the CoFASP Initiative

90 minutes | Intermediate / Advanced

Philip A. May, PhD, Research Professor, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Nutrition Research Institute, Kannapolis, NC, USA

Marcia S. Scott, PhD, National Institute on Alcohol Abuse and Alcoholism, Bethesda, MD, USA

Christina D. Chambers, PhD, MPH, Professor, Department of Pediatrics and Family Medicine and Public Health, School of Medicine; Co-Director, Center for Better Beginnings; University of California San Diego, La Jolla, CA, USA

The theory and applied methods of active case ascertainment prevalence studies of FASD implemented in four general populations of the USA as part of the NIH-NIAAA Collaboration on FASD will be presented. Major findings will be presented with an emphasis on select demographic and maternal risk factors that are most significant in the 4 US study communities. Characteristics of children with and without FASD and risk factors for FASD will be summarized.

Learning Objectives:

1. Understand how to use basic active case ascertainment methods for determining the general population prevalence and characteristics of FASD in a community
2. Examine detailed case control data comparing diagnoses within the continuum of FASD which illustrate the major characteristics of children with and without FASD in these general populations of the USA
3. Provide specific examples of the proximal and distal (e.g. reported alcohol and other drug use) maternal risk factors (e.g. childbearing and prenatal care history, body mass index) for FASD that are characteristic in these large community populations

C6 Reunion Island – A Comprehensive and Collaborative Model of Prevention and Research on FASD

90 minutes | Intermediate

Denis Lamblin, PhD, Pediatrician, President, SAFFRANCE; Delegate Director for Local Networks and Regional, National and International Relations, FASD Resource Center, Père Favron Foundation, Reunion Island, France

Joëlle Balanche, Psychomotrician, Père Favron Foundation; Administrator, SAFFRANCE, Reunion Island, France

Patrick Chauvin, Parent; Project Manager, SAFFRANCE; Member, Vivre avec le SAF, Reunion Island, France

This presentation will highlight the advances in France, mainly driven by Reunion Island. Attendees will learn how SAFFrance brought the attention of the French Constitutional Administrative Authority “Defenseur des Droits” or Defender of Rights to gain early support for those affected by FASD, especially with families with multiple vulnerabilities. Attendees will learn how SAFFrance was able to influence the French National Government to implement strategies for prevention and support of FASD gained collaboration from the Government of France.

Learning Objectives:

1. Learn how a group working, in a remote French island in the Indian Ocean, with a complex social, cultural and ethnic mix developed a model of prevention and support for FASD
2. Learn how, through the experience of Reunion Island and its international relations, the French government was convinced to consider this little known issue in France
3. Learn how the experience, gained through the actions developed by our association SAFFrance, has allowed us to advise stakeholders of several French regions and other countries to promote the prevention of FASD and instigate programs

C7 Addressing the Priorities of Individuals with FASD and Their Families: Key Findings from the CanFASD “FASD Research: Learning Together” Initiative

90 minutes | Intermediate

Michelle Stewart, PhD, Associate Professor, University of Regina; Strategic Research Lead, Canada FASD Research Network, Regina, SK, Canada

Dorothy Reid, MA, Family Advisory Committee, Canada FASD Research Network; Reid Wellness Consulting, Abbotsford, BC, Canada

Presenters will share key findings from a unique event which brought together caregivers, individuals with FASD, and FASD researchers to identify research priorities to improve outcomes for individuals with FASD. The event focused on identifying emerging priorities for FASD research and knowledge translation in Canada.

Learning Objectives:

1. Review key findings from the “FASD Research: Learning Together” workshop
2. Discuss effective strategies for exchanging knowledge between FASD researchers and knowledge users
3. Explore ways in which current research gaps may be addressed, and in particular how research findings may be translated into practice to meet the needs of individuals with FASD and their families

C8 Evidence for the Diagnostic Assessment of Preschoolers Exposed to Alcohol

90 minutes | Intermediate

Ana Hanlon-Dearman, MD, Developmental Pediatrician, Medical Director MB FASD Centre and Network; Associate Professor, Department of Pediatrics and Child Health, University of Manitoba, Winnipeg, MB, Canada

Jenny Soriano Vernon, OT Reg (MB), Speech Language Pathologist, Manitoba FASD Centre, Winnipeg, MB, Canada

Shelley Proven, MSc, S-LP(C), CCC-SLP, Speech Language Pathologist, Manitoba FASD Centre, Winnipeg, MB, Canada

This presentation will review the neurodevelopmental and therapy assessments of over 300 preschool children seen for diagnostic assessment at the Manitoba FASD Centre and interactively discuss with participants clinical challenges in interpretation of assessment data. It will propose clinical best practices for early diagnosis in preschoolers with prenatal alcohol exposure.

Learning Objectives:

1. Present data on multidisciplinary assessment of over 300 preschool children with PAE
2. Connect this evidence to clinical assessment practice and make recommendations regarding multidisciplinary preschool assessment
3. Discuss challenges and opportunities in assessment and early intervention
4. Become aware of clinical best practices for the assessment of preschoolers with PAE

C9 Partnerships for Prevention: The Role of National Organizations in Promoting FASD Awareness among Family Physicians and Social Workers in the USA

90 minutes | Intermediate

Sandra Gonzalez, MSSW, LCSW, Instructor, Baylor College of Medicine, Houston, TX, USA

Roger Zoorob, MD, MPH, FAAFP, Professor and Chair, Baylor College of Medicine, Houston, TX, USA

Alicia Kowalchuk, DO, FSAM, Assistant Professor, Baylor College of Medicine, Houston, TX, USA

Health care professionals can reduce the incidence of FASD and alcohol-exposed pregnancies using evidenced based prevention programs that are not yet widely adopted in health care settings. This session examines a nationwide, interprofessional consortium that promotes practice and system level change among family physicians and social workers.

Learning Objectives:

1. Describe how a national approach to prevention of FASD can promote practice and system level change among health care professionals
2. Identify three strategies for engaging national organizations in FASD prevention
3. Discuss the evolution of FASD prevention training goals from clinician knowledge and skill attainment to systems practice and implementation

C10 New Legal Initiatives in Three Countries for Individuals with FASD: A Partnership of Government Agencies and Grassroots Advocates

90 minutes | Intermediate

Kathryn A Kelly, BA, Project Director FASD Legal Issues Resource Center; Fetal and Alcohol Drug Unit, University of Washington, Seattle, WA, USA

Larry Bagnell, MP, The House of Commons, Government of Canada, Ottawa, ON, Canada

Christine Rogan, BA, Health Promotion Advisor & FASD Project Coordinator, Alcohol Healthwatch Newmarket, Auckland, New Zealand

Howard Sapers, JD, Correctional Investigator of Canada, The House of Commons, Government of Canada, Ottawa, ON, Canada

Currently, governments in three countries with both national and local governments represented, are taking legal steps to respond to requests for services and accommodation by elected officials as well as professionals representing individuals with FASD and their families. Several approaches will be described, offering models for action by those working for public policy change in their countries.

Learning Objectives

1. Become familiar with new programs that could be a model for your own country in assisting individuals living with FASD
2. Discover what impact these new programs are already having on persons living with FASD
3. Discuss the critical role that advocates play in persuading governments to take steps to develop and implement new initiatives

3:15 – 3:45 pm | Break
Exhibits Open, Poster Viewing

3:45 – 5:15 pm | Concurrent Session D

90-min sessions will incl. 20-25 min of Q & A and/or discussion
20-min oral presentations will incl. 5-min of Q & A

D1 4 Oral Papers

- D1a Fetal Alcohol Syndrome Prevalence Rates in South Africa: An Overview**
Leana Olivier, Chief Executive Officer, Foundation for Alcohol Related Research (FARR), Bellville, Cape Town, South Africa
- D1b Situational Analysis of Children with FASD and Their Mothers in Four Provinces in South Africa**
Leana Olivier, Chief Executive Officer, Foundation for Alcohol Related Research (FARR), Bellville, Cape Town, South Africa
- D1c Incontinence in Children with FASD: A South African Cohort**
Leopold M.G. Curfs, PhD, Director, Governor Kremers Centre, Maastricht University Medical Centre, Maastricht, The Netherlands
- D1d Improving Health Promotion Related to Fetal Alcohol Spectrum Disorders, the Need for a Framework**
Sylvia Roozen, MSc, Researcher FASD, Governor Kremers Centre, Maastricht University Medical Centre, Maastricht, The Netherlands

D2 4 Oral Papers

- D2a FASD in Adopted Children in Israel**
Emily R Fisher, MSc, MD Candidate, Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
- D2b What's Happening in My Country? Spain**
Óscar García Algar, PhD, Head of Neonatology Unit, Hospital Clinic Barcelona, Grup de Recerca Infància i Entorn (GRIE), BCNatal, Barcelona, Spain
- D2c Changes in Research, Prevention and Interventions in the Area of FASD in Poland in the Recent Decades**
Katarzyna Okulicz-Kozaryn, PhD, Psychologist, State Agency For Prevention of Alcohol Related Problems, Warsaw, Poland
- D2d What's Happening in My Country? Germany**
Alison Frieling, Parent, Member of the Board, FASD Deutschland e.V., Lingen, Germany
Gisela Michalowski, Social Worker, Chair of the Board, FASD Deutschland e.V. Lingen, Germany

D3 4 Oral Papers

- D3a The Prenatal Alcohol History – It Is Hard to Get and it Matters How We Define It**
Susan Petryk, MD, FRCPC, FAAP, Developmental Pediatrician, Complex Diagnosis Assessment Team, Child And Youth Services; Clinical Assistant Professor, University of Saskatchewan, Regina, SK, Canada
- D3b Epidemiology of FASD within the UK: Findings from a Population-based Birth Cohort**
Cheryl McQuire, BSc, MSc, PhD Candidate, Division of Population Medicine, Cardiff University, Cardiff, Wales, UK
- D3c FASD in Australia: Provisional Findings of Prospective National Case Surveillance**
Marcel Zimmet, MBBS, FRACP, Staff Specialist Pediatrician, FASD Service, The CICADA Centre NSW, Sydney Children's Hospitals Network, Westmead; Australian Paediatric Surveillance Unit, Discipline of Paediatrics and Child Health, University of Sydney, Sydney, NSW, Australia
- D3d Screening for Fetal Alcohol Spectrum Disorder in Adult Women Using the Life History Screen**
Jessica D. Hanson, PhD, Assistant Scientist, Sanford Research; Assistant Professor, Department of Obstetrics and Gynecology, Sanford School of Medicine, University of South Dakota, Sioux Falls, SD, USA

D4 Including Sensory Dysregulation (SD) in Every Diagnosis of FASD

90 minutes | Intermediate / Advanced

Louise Scott, PhD, Paediatric Neuropsychologist, Dr Scott & Associates, Paris; Peel FASD Diagnostic Services Team, Mississauga, ON, Canada
Liv Elliott, MSc(OT), OT Reg(Ont), Occupational Therapist, Infant and Child Development Services Peel; Peel FASD Diagnostic Services Team, Mississauga, ON, Canada
Coleen McAskill, MCISC, SLP(C) Reg. CASLPO, Speech-Language Pathologist; ErinoakKids Centre for Treatment and Development; Peel FASD Diagnostic Services Team, Mississauga, ON, Canada
Emily Reddick, Psychometrist, London Family Court Clinic; Psychometrist, London, Elgin, Middlesex, Oxford FASD Clinic, London, ON, Canada

SD is found in the majority of those diagnosed under FASD and should be included under the broader heading of dysregulation. This session will provide information on how to include sensory difficulties in the diagnostic process regardless of the availability of specialized disciplines/services.

Learning Objectives:

1. Recognize that sensory dysregulation is found in almost all of those diagnosed under FASD
2. Recognize the developmental variability of sensory difficulties in this population
3. Learn how to diagnose with or without specialized OT support

D5

Why FASD Epidemiology Research in the General Population of South Africa Really Matters: Two Decades of Research on FASD and the General Human Condition

90 minutes | Intermediate / Advanced

Philip A. May, PhD, Research Professor, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Nutrition Research Institute, Kannapolis, NC, USA
H. Eugene Hoyme, MD, Chief, Genetics and Genomic Medicine, Sanford Health; Emeritus Professor of Pediatrics, the University of South Dakota Sanford School of Medicine; Senior Advisor, Center for Applied Genetics and Genomic Medicine; Professor of Pediatrics and Medicine, The University of Arizona College of Medicine, Tucson, AZ, USA
Wendy Kalberg, MA, CED, Principal Investigator and Clinical Research Associate, Center on Alcoholism, Substance Abuse, and Addictions (CASAA), The University of New Mexico, Albuquerque, NM, USA
Anna-Susan Marais, B Cur Nursing, Stellenbosch University Faculty of Medicine and Health Sciences, Tygerberg, South Africa
Marlene de Vries, MSW, Stellenbosch University Faculty of Medicine and Health Sciences, Tygerberg, South Africa

Introduced by NIAAA, epidemiology project researchers will present findings from 20 years of FASD studies in South Africa. Topics will include: unique physical and neurobehavioral findings on children with FASD; interventions to improve lives; specific drinking patterns and risk for FASD; breastfeeding and alcohol; and a possible male contribution to FASD outcomes.

Learning Objectives:

1. Gain knowledge about the highlights of a longitudinal study of children with FASD and normal controls from birth through five years of age
2. Describe highlights of interventions being pursued in South Africa with large numbers of school children and in special intervention trials
3. Examine an overview of the maternal risk factors for FASD that are characteristic in South African study communities and the research findings regarding nutrition, breastfeeding, and the role of a father's pre-conceptual drinking in the severity of FASD in the South African context

D6

The CanFASD Prevention Network Action Team: Using a Virtual Community of Practice to Facilitate the Translation of Evidence into Practice and Policy

90 minutes | Intermediate

Nancy Poole, Director, Centre of Excellence for Women's Health; Prevention Lead, CanFASD Research Network, Victoria, BC, Canada
Marlene Dray, BA, FASD Prevention Team Lead, Saskatchewan Prevention Institute, Saskatoon, SK, Canada
Katie Walsh, BSc, BSN, Program Consultant, Public Health Programs Unit, Public Health Agency of Canada, Atlantic Region, St. John's, NL, Canada
Hazel Mitchell, BHEC, Project Manager, FASD Prevention Conversation, South Alberta FASD Service Network, Lethbridge, AB, Canada
Deborah Rutman, PhD, Principal, Nota Bene Consulting Group & Adjunct Associate Professor, School of Social Work, University of Victoria, BC, Canada
Margaret Leslie, Dip. CS, Director, Early Intervention Programs, Mothercraft/Breaking the Cycle, Toronto, ON, Canada

Since 2006, the CanFASD Network Action Team on Prevention (pNAT) has been fostering a national virtual community on FASD prevention. This panel will highlight how members bring multiple forms of evidence to diverse practice and policy settings across Canada, building from their involvement in this virtual community.

Learning Objectives:

1. Gain an understanding of the multilevel prevention model
2. Gain views of FASD prevention practice from researchers, planners and practitioners enacting FASD prevention in Canada

D7

Developing Collaboration Between Clinical and Indigenous Frameworks in FASD Practice to Address Current Inequities in Service Provision

90 minutes | Advanced

Andi Crawford, MSc, Clinical Psychologist, Wāhanga Whakapakari Tamaiti (Child Development Service), Hawke's Bay District Health Board, Hastings, New Zealand

Laurie Te Nahu, MMMgt, Programme Administrator Officer, Te Wāhanga Hauora Māori (Māori Health Service), Hastings, Hawkes Bay, New Zealand

Kate Robertshaw, MBChB(Hons), FRACP, Neurodevelopmental Paediatrician, Wāhanga Whakapakari Tamaiti (Child Development Service), Hastings, Hawkes Bay, New Zealand

Collaboration between clinical and indigenous community frameworks is imperative within FASD practice and research if we are to address current inequities between Māori and Pākehā (white), in New Zealand. This presentation aims to demonstrate how clinical knowledge and indigenous models of health can together provide important information for future policies and service provision for tamariki (children) and whānau (families) living with FASD.

Learning Objectives:

1. Increase understanding of how staff in both research and clinical settings can work together to improve outcomes for whanau who are living with FASD
2. Demonstrate how clinical knowledge and indigenous models of health can together provide important information for future policy and service provision for the FASD population

D8

Two 45-Minute Sessions

D8a Optimizing a Clinical Language Measure for Use in Identifying Significant Neurodevelopmental Impairment in Diagnosis of FASD
45 minute | Intermediate

John C. Thorne, PhD, CCC-SLP, Lecturer, Speech-language Pathologist, Researcher, University of Washington, Seattle, WA, USA

This session will describe a procedure for collecting and analyzing a narrative language sample for the purpose of identifying neurodevelopmental impairment in children prenatally exposed to alcohol. The focus will be on how to balance sensitivity for impairment against false positive results when using performance errors as a signal of impairment.

Learning Objectives:

1. Describe how linguistic errors produced during a standardized language task can be used to reveal neurodevelopmental impairment associated with prenatal alcohol exposure
2. Describe the impact that adjusting diagnostic cut-points used with behavioral measures has on the rates of true positive and false positive diagnoses during FASD diagnostic assessments
3. Meaningfully describe the clinical impact of true and false positive diagnoses in the context of FASD diagnosis

D8b Characterizing Central Auditory Processing and Sound-in-Noise Listening Deficits in Individuals with FASD
45 minute | Advanced

Susan McLaughlin, PhD, Research Scientist, Laboratory for Auditory Brain Sciences and Neuroengineering, University of Washington, Seattle, WA, USA

John C. Thorne, PhD, CCC-SLP, Lecturer, Speech-language Pathologist, Researcher, University of Washington, Seattle, WA, USA

Adrian KC Lee, ScD, Director, Laboratory for Auditory Brain Sciences and Neuroengineering, Associate Professor, Dept. of Speech & Hearing Sciences, University of Washington, Seattle, WA, USA

Prenatal alcohol exposure may cause central auditory deficits leading to difficulties hearing speech in noise. Preliminary data will be presented from a study investigating auditory processing in FASD utilizing a battery of psychoacoustic measures and multimodal neuroimaging techniques to characterize the integrity of the auditory pathway, from periphery to cortex.

Learning Objectives:

1. Gain an appreciation for the evidence that auditory impairments in the absence of a hearing loss may be associated with FASD

2. Explain the functional relevance of sound-in-noise listening for language acquisition/competence and describe some of the key components of the central auditory processing stream (e.g., subcortical sensitivity to temporal features of sound, cortical representation of auditory spatial cues, and cortical networks associated with switching auditory attention) that underlie the capacity to hear sound in noise
3. Understand how state-of-the-art auditory neuroscience paradigms can assay the integrity of specific auditory processes and potentially reveal detailed information about the prevalence and nature of central auditory processing deficits in individuals with FASD

D9

Understanding the Prevalence of Fetal Alcohol Spectrum Disorder (FASD) in Ghana

90 minutes | Introductory

Don Fuchs, PhD, Professor, Faculty of Social Work, University of Manitoba, Winnipeg, MB, Canada

Michael Baffoe, PhD, Associate Professor, Faculty of Social Work, University of Manitoba, Winnipeg, MB, Canada

This session will provide participants with knowledge relating to the issues and concerns relating to FASD in Ghana and West Africa. It will also increase awareness of culturally anchored collaborative approaches to participatory action research for prevention and intervention of FASD in developing countries.

Learning Objectives:

1. Increase awareness of the prevalence of FASD in Ghana and West Africa
2. Increase awareness of the need for culturally anchored FASD prevention and intervention approaches in Ghana and West Africa
3. Provide knowledge and skill in the application of a participatory action research approach to FASD in developing countries
4. Increase awareness of knowledge mobilization approaches in developing countries

D10

University of Washington FASDPN Database Released Worldwide via Free, Interactive, Visualization, Web-based Tableau Dashboards

90 minutes | Intermediate

Susan Astley, PhD, Director, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Professor of Epidemiology/Pediatrics, University of Washington, Seattle, WA, USA

This presentation will showcase the release, of the University of Washington Fetal Alcohol Syndrome Diagnostic and Prevention Network database for use to the world via free, interactive, visualization, web-based Tableau dashboards. The database contains over 2000 fields of information on over 3000 individuals that received an FASD diagnosis by an interdisciplinary team using the 4 Digit code between 1993 and present. Tableau allows researchers to create and post their data in the form of dashboards and storyboards that users can visually tailor and interact with.

Learning Objectives:

1. Understand that users worldwide will have free, web-based access to this database via interactive Tableau dashboards and storyboards
2. Understand how to access and interact with the FASDPN web-based dashboards
3. Understand how users can link their 4-Digit Code outcomes from clinics around the world to the University of Washington FASD Tableau dashboards

"All knowledge is connected to all other knowledge. The fun is in making the connections"

—Arthur Aufderheide

SATURDAY

8:00 – 8:30 am | Registration Open

8:30 – 10:00 | Plenary (Advanced)

Cutting Edge Research: Biomarkers – Are We Getting There?

DNA Methylation Signature of Human Fetal Alcohol Spectrum Disorder

Elodie Portales-Casamar, PhD, Clinical Research Informatics Lead, BC Children's Hospital; Clinical Assistant Professor, Department of Pediatrics, University of British Columbia, Vancouver, BC, Canada

Learning Objectives:

1. Recognize how DNA Methylation can impact our health
2. Identify how DNA Methylation can be altered by our environment
3. Consider how DNA Methylation profiles can be used in the context of FASD

Prevalence Rates of Prenatal Alcohol Exposure from Detection of Phosphatidylethanol (PEth) in Dried Blood Spots

Aileen Baldwin, PhD, MPH, Assistant Laboratory Director for Research, United States Drug Testing Laboratories, Inc., Des Plaines, IL, USA

Learning Objectives:

1. Demonstrate that PEth is an effective method to screen newborns for prenatal alcohol exposure and can be used to determine prevalence rates of prenatal alcohol exposure in different populations
2. Explain how different rates of PEth detection, as well as differences in the concentrations of PEth detected can provide useful information about maternal drinking patterns in multiple populations
3. Describe the clinical utility of screening newborns for PEth, as an objective measurement of prenatal alcohol exposure

Serum Aminopeptidase Activity as a Potential Persistent Marker of Prenatal Alcohol Exposure

Paul Gard, BSc, PhD, FBPhC, Professor, Experimental Therapeutics, University of Brighton, Brighton, East Sussex, UK

Learning Objectives:

1. Appreciate the value and limitations of animal models of FASD
2. Appreciate the potential of serum aminopeptidase activity as a marker of prenatal alcohol exposure in humans

Epigenetics of Fetal Alcohol Spectrum Disorders (epiFASD) Project: Gestational Alcohol Exposure Alters Gene Regulation in Human Placenta

Nina Kaminen-Ahola, Adjunct Professor, Department of Medical Genetics, Medicum, University of Helsinki, Helsinki, Finland

Learning Objectives:

1. Recognize the molecular mechanisms behind FASD
2. Identify the significance of imprinted genes during growth
3. Consider the potential use of molecular marks to lead to the development of a biomarker

10:00 – 10:30 am | Break

Exhibits Open, Poster Viewing

10:30 – 12:00 pm | Concurrent Session E

90-min sessions will incl. 20-25 min of Q & A and/or discussion

20-min oral presentations will incl. 5-min of Q & A

E1 4 Oral Papers

E1a Incontinence in Children with FASD: A South African Cohort (D1c Repeated)

Sylvia Roozen, MSc, Researcher FASD, Governor Kremers Centre, Maastricht University Medical Centre, Maastricht, The Netherlands

E1b Incontinence Problems in Children with FASD: A Polish Study

Katarzyna Anna Dyląg, MD, Physician, Faculty of Medicine, Jagiellonian University Medical College; St. Louis Children Hospital, Kraków, Małopolskie, Poland; Governor Kremers Center, Maastricht University Medical Centre, Maastricht, The Netherlands

E1c Improving Attentiveness and Supporting Children with Fetal Alcohol Spectrum Disorders

Mahvash Salsali, PhD, Professor, Faculty of Nursing and Midwifery, Tehran University of Medical Sciences, Tehran, Iran

E1d The Alert Program® Pilot Study: a Classroom Based Intervention to Support Children with FASD to Improve Self-regulation and Executive Functioning Skills

Bree Wagner, BA(Ed)/BSocSc, Senior Research Officer, Telethon Kids Institute, The University of Western Australia, West Perth, WA, Australia

E2 4 Oral Papers

E2a Stress Reduction Coaching for Caregivers at the FASD Specialist Centre Leipzig

Heike Hoff-Emden, MD, Head Doctor, Social Paediatric Centre Leipzig, Fruehe Hile Leipzig, Germany

E2b Quality of Maternal Interaction Ameliorates the Effects of Prenatal Alcohol and/or Opioid Exposures on Infant's Emotional Regulation at 6 Months of Age

Ludmila Bakhireva, MD, PhD, MPH, Epidemiologist, Associate Professor, Department of Pharmacy Practice and Administrative Sciences, College of Pharmacy, Department of Family and Community Medicine, School of Medicine, Division of Epidemiology, Biostatistics, and Preventive Medicine, Department of Internal Medicine, University of New Mexico, Albuquerque, NM, USA

E2c Exploring the Experiences of Birth Mothers whose Children Have Been Diagnosed with Fetal Alcohol Spectrum Disorders: A Qualitative Study

Raja Mukherjee, MBBS, MRCPsych, PGDipEPP, PhD, Consultant Psychiatrist UK National FASD Behaviour Management Clinic, Surrey And Borders Partnership NHS Foundation Trust, Redhill, Surrey, UK

E2d Behaviour in Children with FASD: the Lililwan Study

Elizabeth Elliott, AM, MD, MPhil, MBBS, FRACP, FRCPC, FRCP, Child and Adolescent Health, Sydney Medical School, University of Sydney; and The Sydney Children's, Hospitals Network, Westmead, Sydney, Australia

E3 4 Oral Papers

E3a Potential Pitfalls and Challenges to Providing Psychological Services for Young People with FASD Within the Western Australian Juvenile Justice System

Annette Paul, BSc Psych (Hons), MPsych, Principal Clinical Psychologist, Department of Corrective Services, Youth Justice Services, Perth, WA, Australia
Carmela Pestell, BPsych, MPsych (Clinical) M. Psych (Neuropsych), DPsych, Associate Professor, University of Western Australia, Perth, Australia

E3b Legal and Ethical Consideration in Fetal Alcohol Spectrum Disorder Management

Majid Salsali, M.D, Forensic Specialist, Khatam Al Anbia Hospital, Tehran, Iran

E3c Evaluating the Effectiveness of FASD Prevention in a Remote Indigenous Community in Australia: Alcohol Consumption During Pregnancy

Martyn Symons, PhD, BSc, BA(Hons), Senior Data and Statistics Manager and Postgraduate Researcher, Telethon Kids Institute, West Perth, WA, Australia

E3d Building an Evidence Base for FASD Prevention Strategies in North West Australian Communities: An Assessment of Knowledge, Attitudes and Practices

Kaashifah Bruce, BSc, MPH, Program Manager Kimberley and Pilbara FASD Research, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia
Martyn Symons, PhD, BSc, BA(Hons), Senior Data and Statistics Manager and Postgraduate Researcher, Telethon Kids Institute, West Perth, WA, Australia

E4 Rooted in Development: Neural Mechanisms Underlying Adverse Outcomes of Prenatal Alcohol Exposure Across the Lifespan

90 minutes | Advanced

Vivian Lam, BSc, PhD Candidate, Department of Cellular and Physiological Sciences, Faculty of Medicine, The University of British Columbia, Vancouver, BC, Canada

Samantha Baglot, BA, MSc Candidate, Department of Cellular and Physiological Sciences, Faculty of Medicine, The University of British Columbia, Vancouver, BC, Canada

Ni Lan, PhD, Research Associate, Department of Cellular and Physiological Sciences, Faculty of Medicine, The University of British Columbia, Vancouver, BC, Canada

Alexandre Lussier, BSc, PhD Candidate, Department of Medical Genetics, Faculty of Medicine, The University of British Columbia, Vancouver, BC, Canada

This session will outline the complex effects of prenatal alcohol exposure across the lifespan, including alterations to placental function, stress reactivity, epigenetic patterns, and neurogenesis. These changes may potentially underlie later adverse outcomes such as mental health disorders, and provide insight into diagnostic tools and therapeutic interventions for FASD.

Learning Objectives:

1. Gain an understanding of how animal research may inform the molecular and neurobiological basis of functional dysregulation observed in individuals with FASD
2. Discuss the importance of integrating findings from multiple research domains into a unified framework for understanding the interactive and complex effects of prenatal alcohol exposure
3. Recognize the possible biomarkers of prenatal alcohol exposure and the potential of therapeutic interventions to mitigate adverse outcomes in FASD

E5

Comparison of the FASD 4-Digit Code and Hoyme et al 2016 FASD Diagnostic Guidelines when Applied to the Records of 1,814 Individuals

90 minutes | Intermediate

Susan Astley, PhD, Director, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Professor of Epidemiology/Pediatrics, University of Washington, Seattle, WA, USA

Julia Bledsoe, MD, Director, Center for Adoption Medicine; Member, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Clinical Professor of Pediatrics, University of Washington, Seattle, WA, USA

Julian Davies, MD, Co-Director, Center for Adoption Medicine; Member, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Clinical Professor of Pediatrics, University of Washington, Seattle, WA, USA

John C. Thorne, PhD, CCC-SLP, Member, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Lecturer, Speech-language Pathologist, University of Washington, Seattle, WA, USA

The 4-Digit Code and Hoyme 2016 FASD diagnostic guidelines were compared by applying both to the records of 1,814 patients with prenatal alcohol exposure that received an interdisciplinary FASD diagnostic evaluation at the University of Washington. Significant contrasts in diagnostic outcomes resulted from the contrasts in diagnostic criteria.

Learning Objectives:

1. Understand the key contrasts and similarities in the diagnostic criteria between the 4-Digit Code and Hoyme 2016 FASD diagnostic guidelines
2. Understand the key contrasts and similarities between the measurement tools (Lip-Philtrum Guides; direct versus photographic measurement of facial features; palpebral fissure length normal growth charts) utilized by the two systems
3. Understand the magnitude of contrasts between the prevalence of FAS, PFAS, ARND, SE/AE, ND/AE, and ARBD generated by the two systems
4. Understand the ethical and clinical implications of the diagnostic nomenclature

E6

Prenatal Alcohol Exposure and Social Behavior Function: Challenges Associated with Navigating the Social World with FASD

90 minutes | Intermediate / Advanced

Katrina Kully-Martens, MEd, PhD Candidate, School and Clinical Child Psychology, University of Alberta, Edmonton, AB, Canada

Parker J. Holman, MS, MSED, PhD Candidate, Graduate Program in Neuroscience, University of British Columbia, Vancouver, BC, Canada

Researchers from three different clinical backgrounds (psychology, medicine, neuroscience) have worked together from pre-clinical, animal and clinical human research to examine the complex effects of prenatal alcohol exposure on social behavioral functioning. Using insights from animal models and clinical research, this workshop will focus on social neurobehavioral development within the context of FASD, adolescence, resilience, and mental health, with the ultimate goal of identifying potential avenues for intervention.

Learning Objectives:

1. Understand the profile of social behavioral strengths and deficits characteristic of individuals with FASD, the neurobehavioral underpinnings of these difficulties, and how fostering social competence may relate to resilience and mental health
2. Gain an understanding of how animal research may inform the neurobiological basis of functional dysregulation observed in individuals with FASD

3. Discuss the importance of integrating findings from multiple research domains into a unified framework for understanding the interactive and complex effects of prenatal alcohol exposure

E7

Two 45 minute sessions | Intermediate

E7a Addictions Treatment with High Risk Women: Lessons Learned 45 minute | Intermediate

Audrey McFarlane, Executive Director Lakeland Centre for FASD, Cold Lake, AB

Paula Dewan, BSW, RSW, Residential Supervisor, Lakeland Centre For FASD; Addictions Services Coordinator, The 2nd Floor Women's Recovery Centre, Cold Lake, AB

The Second Floor Women's Recovery Centre is a unique alcohol and drug treatment program in rural Alberta for women at risk of having a child with FASD, specializing in women who are pregnant. 90% of those who have been through this program, have a diagnosis or are suspected of having FASD. Over 70% of these women had been to previous treatment programs. This presentation will highlight who the women are, what has been learned about them, from them, and how best to serve them, as well as their outcomes. This session includes an evaluation of the program and social return on investment.

Learning Objectives:

1. Provide an overview of a unique addictions treatment program
2. Share current information about demographics, including mental health issues and/or FASD of the women attending the program
3. Share program outcomes and learnings of the program regarding the treatment for the women

E7b Early Intervention and Parenting Support for Mothers with Young Children in Residential Substance Abuse Treatment 45 minute | Intermediate

Tracy Jirikovic, PhD, OTR/L, Associate Professor, Division of Occupational Therapy, Department of Rehabilitation Medicine, University of Washington School of Medicine, Seattle, WA, USA

Janet Huggins, PhD, Clinical Psychologist, Fetal Alcohol and Drug Unit, University of Washington, Seattle, WA, USA

Children of women with substance abuse disorders may be at high-risk for FASD, developmental and social-emotional problems including regulation difficulties, and atypical sensory processing. We will describe a sample of children (birth to 5 years) living with mothers in residential substance abuse treatment and components of a trauma-informed parenting intervention implemented with these complex dyads.

Learning Objectives:

1. Describe a screening, intervention, and consultation protocol developed and implemented to address the developmental, sensory, and regulatory needs of young children living with their mothers in residential substance abuse treatment.
2. Provide examples of applied strategies addressing children's sensory/regulatory needs to support daily caregiving routines, mother-child interactions, and child behaviors
3. Describe professional development activities used with residential treatment center staff and community providers to enhance their knowledge of early intervention and parenting support strategies for high-risk children

E8

Sterling Clarren Award Presentation Northern Ontario Health Care Students' Knowledge and Self-Efficacy Regarding Fetal Alcohol Spectrum Disorder

90 minutes | Intermediate

Kelly D. Coons, MA, PhD Candidate, School of Rural and Northern Health, Laurentian University, Sudbury, ON

The findings from an on-going mixed methods study examining health care students' knowledge, attitudes, and beliefs surrounding FASD and alcohol use during pregnancy will be discussed. Results, including scenario-based vignettes, reveal that health care professionals from a variety of disciplines require increased education and support to improve their knowledge of FASD and aid in the prevention of FASD.

Learning Objectives

1. Understand how health care delivery may be impacted by providers' personal attitudes and beliefs
2. Increase participants' knowledge and self-efficacy regarding and pregnancy counselling regarding alcohol use and FASD

E9

FASD and the Criminal and Juvenile Justice System: Major New Insights and Developments in Canada, New Zealand and the United States

90 minutes | Intermediate

Kathryn A Kelly, BA, Project Director FASD Legal Issues Resource Center; Fetal and Alcohol Drug Unit, University of Washington, Seattle, WA, USA

Karen Steele, JD, Karen A Steele, Esq., Salem OR, USA

Adrienne Peters, PhD, Assistant Professor, Department of Sociology, Memorial University of Newfoundland, St. John's; fasdNL Board Member; St. John's, NL, Canada

Mansfield Mela, MBBS, FWACP, FRCPsych, MSc, FRCPC, Professor, Department of Psychiatry, University of Saskatchewan, Saskatoon, SK, Canada

Tara Anderson, MSc, Research Coordinator, College of Medicine, Department of Psychiatry, Saskatoon, SK, Canada

Monty Nelson, PhD, Rpsych, Adjunct Professor, Department of Educational Psychology, University of Alberta, Edmonton, AB, Canada

Important new reports from three countries shed light on the multi-faceted problems of individuals living with FASD who have become involved in the Criminal and Juvenile Justice System. A study in British Columbia, Canada of probationers diagnosed with FASD identifies factors that indicate the likelihood of recidivism and suggests strategies to prevent reoffending. A second Canadian study assesses the most effective treatments for offenders with both FASD and other psychiatric disorders. An in-depth account of a high profile New Zealand case, in which a false confession led to years of wrongful imprisonment and litigation, describes how justice was ultimately obtained for this individual with FASD and the impact of this case on both the public and the judiciary. And, finally, an analysis of U.S. Courts evaluates judicial understanding of and experiences with defendants with FASD.

Learning Objectives

1. Become more effective, through the acquisition of new, research-based strategies, in working with individuals living with FASD who have become involved in the Criminal and Juvenile Justice System
2. Recognize the barriers to greater recognition of FASD in the U.S. Courts and possible solutions to overcoming these barriers
3. Become aware of the research-based profiles of those with FASD in the Criminal and Juvenile Justice System who's greater likelihood of re-offending can be predicted
4. Understand how diligent, zealous advocacy coupled with relevant scientific information can rectify egregious wrongs perpetrated against those with FASD in the Criminal and Juvenile Justice System

12:00 – 1:00 pm | Lunch (provided)

12:15 – 12:45 pm | Lunch Session

Let's Talk: Stigma and Stereotypes – Where Do We Begin?

Paula Stanghetta, Facilitator, Coach, Trainer, Paula Stanghetta & Associates, Kitchener, ON, Canada

1:00 – 2:30 pm | Closing Plenaries

Long Term Chronic Disease Outcomes Following Prenatal Alcohol Exposure

Karen Moritz, PhD, Professor, Research Fellow, School of Biomedical Sciences and Child Health Research Centre, the University of Queensland, Brisbane, Australia

Learning Objectives:

1. Understand the concept of "fetal/developmental" programming" of adult onset chronic diseases
2. Explore the experimental evidence that prenatal alcohol exposure may program chronic diseases including metabolic, renal and cardiovascular diseases
3. Understand the potential for different long term outcomes depending upon the dose and timing of exposure to alcohol during pregnancy
4. Examine sex differences in programmed outcomes

Plenary Panel: The Lay of the Land: Final Results of a Health Survey of 500+ Adults with Diagnosed FASD

Myles Himmelreich, CJ Lutke, Emily Travis, Adults with FASD

Learning Objectives

1. Hear why this survey was developed
2. Learn key findings from the survey
3. Understand FASD as a whole body diagnosis with significantly increased risk for chronic illness and critical complications for health care

Research Response

Jan Lutke, Conference Chair, Vancouver, BC, Canada

Joanne Weinberg, PhD, Professor and Distinguished University Scholar, Emerita, Department of Cellular & Physiological Sciences, University of British Columbia, Vancouver, BC, Canada

2:30 pm | Closing Ceremonies

"To be surprised, to wonder,
is to begin to understand."

—José Ortega y Gasset

Poster presentations

All poster presenters will be available at their posters for Q&A during the following poster session time: Friday, March 3 from 12:40 – 1:45pm

The Intersection of FASD and Intellectual Developmental Disability

Dorothy Badry, PhD, RSW, Associate Professor, Faculty of Social Work, University of Calgary, Calgary, AB, Canada

Mothering and Mentoring: The PCAP Women's Quilt in Alberta, Canada

Dorothy Badry, PhD, RSW, Associate Professor, Faculty of Social Work, University of Calgary, Calgary, AB, Canada

Ethyl Glucuronide is Synthesized in Meconium in Vitro and is Not Specific to Determine Prenatal Alcohol Exposure

Aileen Baldwin, PhD, MPH, Assistant Laboratory Director for Research, United States Drug Testing Laboratories, Inc., Des Plaines, IL, USA

Caregivers and Clinical-Follow-Up in a Fetal Alcohol Spectrum Disorder Diagnostic Clinic

Claire Coles, PhD, Professor, Department of Psychiatry and Behavioral Sciences; Director, Maternal Substance Abuse and Child Development Program (MSACD), Emory University, Atlanta, GA, USA

Development and Evaluation of an FASD Prevention Campaign Using Pregnancy Test Dispensers in Bars and Restaurants in Alaska and the Yukon

David Driscoll, PhD, Director, Institute for Circumpolar Health Studies, University of Alaska, Anchorage, AK, United States

The Usefulness of the WISC-V in FASD Diagnostic Assessment

Leah Enns, PhD, Clinical Psychologist, Assistant Professor, Department of Clinical Health Psychology, Rady Faculty of Health Sciences, University of Manitoba, Manitoba FASD Centre, Winnipeg, MB, Canada

Nicole Taylor, PhD, Clinical Psychologist, Assistant Professor, Department of Clinical Health Psychology, Rady Faculty of Health Sciences, University of Manitoba, Manitoba FASD Centre, Winnipeg, MB, Canada

Fetal Alcohol Spectrum Disorder in Adopted Children in Israel

Emily Fisher, MSc, MD Candidate, Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

Circle of Support: Key Workers Facilitating Awareness and Change in a Rural Community

Karen Foley, BSW, Coordinator/Key Worker Circle of Support Program, Sunshine Coast Community Services, Sechelt, BC, Canada

Jen Davey, Key Worker, Circle of Support Program, Program Coordinator for Special Services to Children & Home Share, Sunshine Coast Community Services, Sechelt, BC, Canada

Living Accommodation for People Affected by FASD (Germany)

Alison Frieling, Parent, Member of the Board FASD Deutschland e.V., Lingen, Germany

Katrin Lepke, Parent, Member of the Board FASD Deutschland e.V., Lingen, Germany

Poster presentations, *Continued*

All poster presenters will be available at their posters for Q&A during the following poster session time: Friday, March 3 from 12:40 – 1:45pm

An FASD Informed Health Diary for Children with FASD

Harrison Grogan, Research Assistant, Manitoba FASD Centre, Winnipeg, MB

Alcohol Screening in Pregnancy: an Opportunity for Support and Education?

Helen Howlett, PhD student, Research Midwife, Northumbria Healthcare NHS Trust, North Shields, Tyne And Wear, United Kingdom

A Public Health Approach to Reducing the Burden of Fetal Alcohol Spectrum Disorder in Canada

Sivash Jafari, MD, MHS, FRCPC, FABAM, FASAM, Specialist, Public Health and Preventive Medicine, University of British Columbia, Vancouver, BC, Canada

Toward Innovative Practice: A Pilot of a Clinical Service Continuum for Prenatally Substance Exposed Children in Central Region and Durham in Ontario

Michelle Cardy-Hall, MSc (OT), OT Reg (Ont), Occupational Therapist, Children's Services, Social and Community Services, Halton Region, ON

Nancy Luciano, BSc(Hons), DipCS, Durham Region Health Department, Whitby, ON

Influences of Early Maternal Alcohol Consumption in the DNA Methylation and Gene Expression of the Igf2/H19 Locus in a Mouse Model

Heidi Marjonen, MSc, PhD Candidate, Research Group of Environmental Epigenetics, Department of Medical and Clinical Genetics, University of Helsinki, Helsinki, Finland

A Follow-up Study of the Epidemiology of Fetal Alcohol Spectrum Disorders in a Community in South Africa

Philip A. May, PhD, Research Professor, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Nutrition Research Institute, Kannapolis, NC, USA

David Buckley, MA, HS Associate Scientist III, Center on Alcoholism, Substance Abuse and Addictions, University of New Mexico, Albuquerque, New Mexico, USA

Marlene M. De Vries, Faculty of Medicine, Stellenbosch University, Tygerberg, South Africa

H. Eugene Hoyme, MD, Chief, Genetics and Genomic Medicine, Sanford Health; Emeritus Professor of Pediatrics, the University of South Dakota Sanford School of Medicine; Senior Advisor, Center for Applied Genetics and Genomic Medicine; Professor of Pediatrics and Medicine, The University of Arizona College of Medicine, Tucson, AZ, USA

Wendy Kalberg, MA, CED, Principal Investigator and Clinical Research Associate, Center on Alcoholism, Substance Abuse, and Addictions (CASAA), The University of New Mexico, Albuquerque, NM, USA

Anna-Susan Marais, B Cur Nursing, Stellenbosch University Faculty of Medicine and Health Sciences, Tygerberg, South Africa

Julie M. Hasken, MPH, Program Manager, Nutrition Research Institute, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Kannapolis, NC, USA

The Dop System of Alcohol Distribution Is Dead, But It's Legacy Lives On...

Philip A. May, PhD, Research Professor, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Nutrition Research Institute, Kannapolis, NC, USA

Marlene M. De Vries, Faculty of Medicine, Stellenbosch University, Tygerberg, South Africa

Anna-Susan Marais, Faculty of Medicine, Stellenbosch University, Tygerberg, South Africa

Julie M. Hasken, MPH, Program Manager, Nutrition Research Institute, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Kannapolis, NC, USA

The Community-Based FASD Assessment and Diagnostic Clinic Model: Perspectives on Building Capacity and Sustainability

Audrey McFarlane, Executive Director Lakeland Centre for FASD, Cold Lake, AB, Canada

Colleen Burns, Clinic Training Project Coordinator, Lakeland Centre For FASD, Cold Lake, AB, Canada

Julia O'Brien, Regional FASD Coordinator, Labrador-Grenfell Health Region, Happy Valley-Goose Bay, St. Anthony, NFLD, Canada

Crystal Tobler, Special Education Coordinator, Onion Lake Cree Nation Diagnostic Clinic, Onion Lake Cree Nation, SK, Canada

The FASD Prevention Conversation – An Innovative Model for Engaging and Equipping Professionals

Hazel Mitchell, PHEC, Coordinator, South Alberta FASD Service Network, Lethbridge, AB, Canada

Hélène Wirzba PhD, Manager, Wirzba Consulting, Lethbridge, AB, Canada

Improving Service Delivery for Children and Youth with FASD and Co-occurring Mental Health Difficulties

Erika Ono, MSW RSW, Social Worker, Neuropsychiatry Clinic, BC Children's Hospital; PhD student, UBC School of Social Work, Vancouver, BC

Improving the Management of Young People with Fetal Alcohol Spectrum Disorder (FASD) in an Australian Detention Centre Using a Mixed Methods Approach

Hayley Passmore, PhD Candidate, Telethon Kids Institute, School of Paediatrics and Child Health, The University of Western Australia, Perth, WA, Australia

Preconception Interventions for Preventing Alcohol Exposed Pregnancy

Nancy Poole, Director, Centre of Excellence for Women's Health; Prevention Lead, CanFASD Research Network, Victoria, BC, Canada

Improving Outcomes for Children with FASD: How the Research Literature can Inform the Development of a Family Focused Treatment Approach

Natasha Reid, PhD Candidate, Psychologist, Menzies Health Institute, Griffith University, Brisbane, QLD, Australia

Phase 1 Evaluation of HerWay Home: Evaluation Highlights, Promising Approaches and Lessons Learned

Deborah Rutman, PhD, RPsych, Principal, Nota Bene Consulting Group; Adjunct Associate Professor, School of Social Work, University of Victoria, Victoria, BC, Canada

Carol Hubberstey, Principal, Nota Bene Consulting Group, Victoria, BC, Canada

Evidence to support FASD prevention: A Literature Scan of Articles Published in 2015

Rose Schmidt, MPH, Researcher, Centre of Excellence for Women's Health, Vancouver, BC, Canada

Preventing Alcohol Exposed Pregnancies: Current Canadian Practices and Future Directions

Rose Schmidt, MPH, Researcher, Centre of Excellence for Women's Health, Vancouver, BC, Canada

Establishing an Australian FASD Diagnostic Clinic: Who We Have Seen and Our Caregivers' Views

Doug Shelton, MB, BS, Paediatrician, Medical Director, Women's and Children's Health, Child Development Service, Gold Coast, Australia

Novel Assessment Tool for FASD Based on Eye Movement Behaviours

Shelby Thompson, MSc Candidate, Department of Biomedical and Molecular Sciences, Queen's University, Kingston, ON

Supporting Children with FASD and Their Families: A Polish Perspective

Malgosia Tomanik, MEd, Family Consultant, Parenting Paradigm Home Based Consultation, Port Moody, BC, Canada

Małgorzata Stopikowska, PhD, Director, Department of Family Studies, Ateneum University, Gdansk, Poland

Demographic and Substance Use Profiles of Alcohol-using Pregnant Women Entering Treatment

Yukiko Washio, PhD, Maternal and Infant Health Researcher, Christiana Care Health System, University of Delaware, Newark, DE, USA

Pregnant Women's Attitudes Regarding Alcohol Use During Pregnancy and Accessibility and Quality of Information Available – a Qualitative Study

Maria Raul Xavier, Professor, Coordinator, Clinica Universitária de Psicologia – CUP, Centre for Studies in Human Development, Faculty of Education and Psychology, Catholic University of Portugal, Porto, Portugal

Alcohol Use During Pregnancy in the North of Portugal

Maria Raul Xavier, Professor, Coordinator, Clinica Universitária de Psicologia – CUP, Centre for Studies in Human Development, Faculty of Education and Psychology, Catholic University of Portugal, Porto, Portugal

A Survey of Professionals' Knowledge, Confidence, and Attitudes in Relation to Foetal Alcohol Spectrum Disorder (FASD) within Health and Social Care Services in Ayrshire, Scotland

Jennifer Shields, BA, DClinPsy, PGDip, Principal Clinical Psychologist, NHS Ayrshire and Arran, Ayrshire Central Hospital, Irvine, Scotland

*“Without knowledge action is useless and
action without knowledge is futile”*

—Abu Bakr

*All rates are quoted in \$CAD and the tuition fee includes 5% GST.

PLEASE WRITE IN BLOCK LETTERS:

One registration form per person. Please photocopy if more are needed.

Dr. Mr. Ms.

Last Name First Name Initials

Organization Name/Mailing Address

Mailing Address

City Prov/State Postal Code

Daytime Telephone Number / Local

E-Mail

Please inform us of any dietary requirements

PARALLEL PLENARY FRIDAY AM

Please select the plenary you plan to attend on Friday morning:

Plenary 1: The Collaborative Initiative on FASD: New Findings on Screening

OR

Plenary 2: FASD Prevention Research – State of the Evidence, and Plans for a Global Network

CONCURRENT BREAKOUT SESSIONS

Please refer to the program for session descriptions.
You must enter your 2 choices or YOU WILL NOT BE REGISTERED.
Example shown below in grey.

Example:	1ST CHOICE	2ND CHOICE
	A1	A4
	_____	_____

THURSDAY, MARCH 2, 2017

Please choose your first and second choice from the 90-minute sessions (A&B) **OR** 3-hour session A10&B10

Session A: _____

Session B: _____

3-hour session A10&B10: _____

FRIDAY, MARCH 3, 2017

Please choose your first and second choice from the 90-minute sessions (C&D)

Session C: _____

Session D: _____

SATURDAY, MARCH 4, 2017

Please choose your first and second choice from the 90-minute session (E)

Session E: _____

AFFILIATION/PROFESSION

Please indicate which Affiliation/Profession best describes you:

- | | |
|--|--|
| <input type="checkbox"/> Administrator/Manager | <input type="checkbox"/> Parent |
| <input type="checkbox"/> Alcohol & Drug Worker | <input type="checkbox"/> Person with FASD |
| <input type="checkbox"/> Corrections Worker | <input type="checkbox"/> Physician |
| <input type="checkbox"/> Educator | <input type="checkbox"/> Policy Maker |
| <input type="checkbox"/> Family Member | <input type="checkbox"/> Psychiatrist |
| <input type="checkbox"/> Family Support Worker | <input type="checkbox"/> Registered Nurse |
| <input type="checkbox"/> Infant Development Consultant | <input type="checkbox"/> Social Worker |
| <input type="checkbox"/> Judge | <input type="checkbox"/> Student |
| <input type="checkbox"/> Lawyer | <input type="checkbox"/> Teacher |
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| <input type="checkbox"/> Other: _____ | |

TUITION FEES

Pre-registration prior to February 1, 2017 is strongly recommended to ensure you receive all conference materials. All rates are quoted in \$CAD and the tuition fee includes GST. Please use one registration form per person. The main registration fee includes conference material, Wednesday and Saturday lunches, refreshment breaks, and a certificate of attendance.

***EARLY BIRD RATE, BEFORE/ON JANUARY 20, 2017**

- | | |
|------------------------------------|--------------------------------|
| Full Conference (March 1-4) | <input type="checkbox"/> \$695 |
| Pre-Conference (March 1) | <input type="checkbox"/> \$200 |
| Main Conference (March 2-4) | <input type="checkbox"/> \$540 |

RATE AFTER JANUARY 20, 2017

- | | |
|------------------------------------|--------------------------------|
| Full Conference (March 1-4) | <input type="checkbox"/> \$780 |
| Pre-Conference (March 1) | <input type="checkbox"/> \$215 |
| Main Conference (March 2-4) | <input type="checkbox"/> \$615 |

Individual Day Rates

- | | |
|-------------------------|--------------------------------|
| Thursday, March 2, 2017 | <input type="checkbox"/> \$242 |
| Friday, March 3, 2017 | <input type="checkbox"/> \$242 |
| Saturday, March 4, 2017 | <input type="checkbox"/> \$210 |

Parent Rate \$295

* For the main conference and available only for parents who do not work in the area of FASD.

Full-Time Student Rate (Before Feb 1, 2017) \$315

*Student rate available for the full program only. A letter from your supervisor/department head stating that you are a full-time student along with a valid student photo ID must be sent with student registrations.

Pre-Conference Total	= \$ _____
Main Conference Total	= \$ _____
Total Payment	= \$ _____

METHODS OF PAYMENT

Total Payment = \$ _____

Please Indicate Below How You Would Like to Pay

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