



THE UNIVERSITY OF BRITISH COLUMBIA

8th International Conference on Fetal Alcohol Spectrum Disorder

Research, Results and Relevance

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

March 6-9, 2019

The Westin Bayshore
Vancouver, BC, Canada

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

-Peter F. Drucker



Presented by



THE UNIVERSITY OF BRITISH COLUMBIA

Interprofessional
Continuing
Education



GENERAL INFORMATION

DESCRIPTION

This advanced level conference/meeting continues to bring together global 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 2019, participants can expect to:

- consider the implication and potential application of emerging evidence-based, and cutting edge research
- expand and challenge their knowledge and understanding of hard science
- 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 global researchers, networks, governments, communities, service providers and families

AUDIENCE

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

- addictions specialists
- administrators
- child welfare professionals
- clinicians
- community members
- educators
- elected officials
- family members
- FASD specialists
- health/mental health clinicians
- justice
- physicians
- policy-makers
- primary prevention workers
- 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 Kathryn by phone: 604.822.7708 or email: kathryn.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 conference 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. The room block at the Westin is SOLD OUT, but additional rooms are available at a discounted rate of \$225.00 (plus applicable taxes) for conference delegates. Reserve by calling toll-free: 1.800.WESTIN.1 or Local: 1-604-682-3377 or by email: bayshore.reservations@westin.com. Please book by **February 4, 2019**, and specify that you are booking under the UBC Interprofessional Continuing Education FASD 2019 room block to receive these reduced rates. Overflow hotel options are available here: <http://interprofessional.ubc.ca/initiatives/fasd2019/location/>

PARKING

Secure parking is available for the following rates:

Overnight: \$25 self park or \$45 valet
Day rates: \$4 each 30 minutes with a \$23 day maximum (self park) or \$29 day maximum (valet)
Evening rates: \$13 evening maximum after 5:00pm (self park) or \$19 evening maximum 5:00pm - 6:00am (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. The Canada Line train links YVR to downtown. The train ride takes approx. 30 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 \$9.20. Saturday and Sunday fee is \$7.90. From Downtown to Airport: Monday - Friday fee is \$4.20. Saturday and Sunday fee is \$2.90.

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, 2019 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

Please make cheques payable to UBC.

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

There will be a \$50 cancellation fee until February 1, 2019. After that, there will be a \$100 cancellation fee up to two weeks prior to the conference (all fees incl. taxes). **No refunds will be made for cancellation after February 20, 2019.** If you are unable to attend the conference, you are welcome to send a colleague in your place. For full transfer terms and conditions, please refer to: www.interprofessional.ubc.ca/initiatives/fasd2019/registration/

GENERAL INFORMATION

By registering for the conference, you are agreeing to the terms and conditions listed on this page.

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: 1-604-682-2222, www.tourismvancouver.com

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 Kristina at kristina.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 will have to be in the early morning, during lunch or in the evening as they 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:

ACKNOWLEDGEMENTS

We would like to acknowledge with great appreciation, the financial contributions through unrestricted education grants from:

GOLD SPONSORS



PROGRAM AT A GLANCE

Wednesday, March 6, 2019 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 – 4:45	Full-day Session, <i>Continued</i>

Thursday, March 7, 2019

8:00 – 8:30	Registration Open
8:30 – 10:30	Morning Plenary
10:30 – 11:00	Break: Exhibits & Posters
11:00 – 12:30	Concurrent Session A
12:30 – 1:30	Lunch (provided) & Exhibits
12:30 – 1:30	Parent & Caregiver Lunch
12:30 – 1:15	Meet the Expert Lunch (for trainees)
1:30 – 3:00	Concurrent Session B
3:00 – 3:30	Break: Exhibits & Posters
3:30 – 5:00	Plenary

Friday, March 8, 2019

8:00 – 8:30	Registration Open
8:30 – 10:30	Plenaries
10:00 – 10:30	Break: Exhibits & Posters
10:30 – 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 9, 2019

8:00 – 8:30	Registration Open
8:30 – 10:00	Plenary & Award Presentation
10:00 – 10:30	Break: Exhibits & Posters
10:30 – 12:00	Concurrent Session E
12:00 – 1:00	Lunch (provided)
1:00 – 2:15	Closing Plenary
2:15	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

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

Bill Dunty, PhD, Program Director, Division of Metabolism and Health Effects, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, Bethesda, MD, USA

Kristina Hiemstra, BSocSc, Director, UBC Interprofessional Continuing Education, University of British Columbia, Vancouver, BC, Canada

Christine Loock, MD, FRCPC, Associate Professor, Department of Pediatrics, University of British Columbia; Responsive Intersectoral Community Health, Education, and Research (RICHER) Initiative, BC Children's Hospital & Sunny Hill Health Centre for Children, Vancouver, BC, Canada

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

Edward Riley, PhD, Distinguished Research Professor, Center for Behavioral Teratology, San Diego State University, San Diego, CA, USA

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



Expert Advisory Committee

Sabrina Agnihotri, PhD, MD(c), Student Representative; Faculty of Medicine, University of Toronto, Toronto, ON, Canada

Iloa Autti-Rämö, MD, General Secretary, Ministry of Social Affairs and Health, Steering of Healthcare and Social Welfare, Council of Choices in Health Care; Adjunct Professor, Childneurology Department, Helsinki University Hospital, Helsinki, Finland

Tatiana Balachova, PhD, IPA, National Institutes of Health; 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

Claire D. Coles, PhD, Professor, Department of Psychiatry and Behavioral Sciences and Pediatrics, Emory University School of Medicine, Atlanta, GA, USA

Paul D. Connor, PhD, Neuropsychologist, Private Practice and Courtesy Clinical Assistant Professor, Fetal Alcohol and Drug Unit, University of Washington, Seattle, WA, USA

Lori Vitale Cox, PhD, Director, Eastern Door Diagnostic Team for FASD and Related Conditions; Adjunct Professor, Department of Paediatrics, Faculty of Medicine, University of British Columbia; Director, Nogemag Healing Lodge for Youth, Rexton, NB, Canada

Dan Dubovsky, MSW, FASD Specialist, Philadelphia, PA, USA

Elizabeth Elliott AM, FAHMS, MD, MPhil, MBBS, FRACP, FRCPC, FRCP, Professor Discipline of Child and Adolescent Health, Faculty of Medicine and Health Science, University of Sydney; and Consultant Paediatrician, The Sydney Children's, Hospitals Network, Westmead, Sydney, Australia

Carmen L. Enache, MD, PhD, Senior Consultant, Obstetrics and Gynecology, Emergency Clinical Hospital, Bucharest, Romania

Diane Fast, MD, PhD, FRCPC, Clinical Professor Emerita, Department of Psychiatry, Associate, Department of Paediatrics, BC Children's Hospital and The University of British Columbia, Vancouver, BC, Canada

Emily Fitzpatrick, Student Representative; MBBS, PhD Candidate, Paediatric Registrar, Discipline of Paediatrics and Child Health, Sydney Medical School, Sydney, Australia

James P. Fitzpatrick FRACP, MBBS, BSc, PhD, Paediatrician, Lead Investigator, Making FASD History Program, Telethon Kids Institute; Director, PATCHES Paediatrics, Perth, Australia

Erikson F. Furtado, MD, PhD, 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

Therese Grant, PhD, Professor and Ann Streissguth Endowed Professor in Fetal Alcohol Spectrum Disorders, University of Washington Department of Psychiatry and Behavioral Sciences, Seattle, WA, USA

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

Parker J. Holman, Student Representative; MS, MEd, PhD Candidate, Graduate Program in Neuroscience, University of British Columbia, Vancouver, British Columbia, Canada

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

Sarah Inkelis, Student Representative; MS, PhD Student, San Diego State University/UC San Diego Joint Doctoral Program in Clinical Psychology, San Diego, CA, USA

Edgar M. Jimenez, BSc MD FRCPC, Medical Director, The Asante Centre; Developmental and Behavioural Paediatrician, Surrey/White Rock, BC, Canada

Denis Lamblin, MD, Developmental Paediatrician, President SAF FRANCE, President International SAFTHON (FASTHON) Delegate Director for Local Networks and Regional, National and International Relations, FASD Resource Center, Père Favron Foundation, Reunion Island, France

Rebecca Martell, Clinical Associate, Occupational Performance Analysis Unit (OPAU), Department of Occupational Therapy, University of Alberta, Edmonton, AB, Canada

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

Valerie McGinn, PhD, Clinical Neuropsychologist, The FASD Centre, Aotearoa, New Zealand

Rajesh C. Miranda, PhD, Professor, Department of Neuroscience and Experimental Therapeutics, College of Medicine, Texas A&M University Health Science Center, Bryan, TX, USA

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

Raja Mukherjee, Consultant Psychiatrist and Lead Clinician, National FASD Specialist Behaviour Clinic, Surrey and Borders, Partnership NHS Foundation NHS Trust, London, UK

Margaret M. Murray, PhD, Director, Global Alcohol Research Program, Office of the Director, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, Rockville, MD, USA

Katarzyna Okulicz-Kozaryn, PhD, Psychologist, State Agency For Prevention of Alcohol Related Problems, Warsaw, Poland

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

Maira Plant, PhD, Adjunct Professor, Curtin University, Perth, Australia; Emeritus Professor of Alcohol Studies Alcohol & Health Research Unit, University of the West of England, Bristol, UK

Nancy Poole, PhD, Researcher, Knowledge Broker, BC Centre of Excellence for Women's Health, Vancouver, BC, Canada

Svetlana 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

Ihsan Sarman, MD, PhD, Senior Neonatologist emeritus, Sachsska Children Hospital, Southern Hospital, Stockholm, Sweden

Lina Schwerg, BSc, Student Representative; Master Student, Department of Psychology, University of Potsdam; Assistant Manager of the FASD-Fachzentrum Sonnenhof, Berlin, Germany

Expert Advisory Committee Ctd.

Marcia S. Scott, PhD, Health Scientist Administrator/Program Director, Division of Epidemiology and Prevention Research; Coordinator and Executive Secretary, Interagency Coordinating Committee on Fetal Alcohol Spectrum Disorders, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, Bethesda, MD, USA

Jon Skranes, MD PhD, Professor, Child Neurology and Rehabilitation, Department of Clinical and Molecular Medicine, Faculty of Medicine and Health Sciences, Norwegian University of Science and Technology (NTNU), Trondheim; Senior Paediatrician / Head of Child Habilitation Unit, Department of Pediatrics and Senior Consultant in Child Neurology, Regional Competence Center for Children with Prenatal Alcohol/Drug Exposure Health, South-East, Sørlandet Hospital, Arendal, Norway

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

Kenneth R. Warren, PhD, Germantown, MD

FASD Leadership Committee

Katrina Griffin, Change Maker, Mentor, Speaker, Vancouver, BC, Canada

Myles Himmelreich, Change Maker, Mentor, FASD Consultant, Speaker, Vancouver, BC, Canada

Anique Lutke, Change Maker, Mentor, Music, Vancouver, BC, Canada

CJ Lutke, Change Maker, Mentor, Speaker, Vancouver, BC, Canada

Justin Mitchell, Change Maker, Mentor, Speaker, Vancouver, BC, Canada

Local Planning Committee

Tina Antrobus, MA, RCC, Registered Clinical Counselor, PLEA Community Services, Coquitlam, BC

Anne Fuller, RN, MSN, Provincial FASD Consultant, Children and Youth with Special Needs Policy, Ministry of Children and Family Development, Government of British Columbia, Victoria, BC

Brenda Knight, Registered Psychologist, Private Practice, Vancouver, BC

Cheryl McIntee, CPCA-RPC, MPCC, Master Practitioner Clinical Counsellor, Cheryl McIntee Counselling and Consulting, White Rock, BC. CDBC/FASD Keyworker, FASD Collaboration Roundtable, Touchstone Family Association, Richmond, BC

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

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

Wednesday, March 6 | PRE-CONFERENCE

Let's Talk

"The best way to predict the future is to create it"
— Abraham Lincoln

Into the Future: Where Do We Want to Be in 20 Years?

How Do We Get There? Evidence, Experience and the Wisdom in the Room

The purpose of this session is to create a dialogue among researchers, clinicians and those with practical experience. Our goal is that participants will be able to:

1. Challenge our thinking around the current state in relation to epidemiology, prevention, diagnosis and intervention
2. Consider the application and utility of science and information presented and its relevance
3. Through discussions, reflect on potential future research that may be relevant and inform future directions

FASD was first identified over 45 years ago and research has provided a large, substantial, diverse and growing body of scientific evidence about the global impact of prenatal alcohol exposure (PAE) across the lifespan. However, we have yet to have any effective and lasting impact that has led to sustained change; change in the prevention of FASD itself and change in outcome for those affected and their families. Why is that? What is holding us back? What do we need to do?

In order to move this field forward, to where it must go if we are to effect real change, it is time to consider where we want to be in 2040 and how we get there. What do we want the future to look

like? Using the expertise of big picture thinkers, researchers, clinicians, scientists and the wisdom in the room, we will discuss and probe what it will take and what we want to accomplish in an interactive thoughtful and constructive way. We need to think about where we are now and why, and then suggest and examine what we want and what it will take to identify and create the changes we want to see.

This pre-conference symposium will bring together delegates from multi-disciplinary fields who want to challenge current thought and participate, think, explore and discuss issues in a thoughtful and innovative manner that can begin to provide direction for the future. The day will begin with the release of the latest WHO Global Status Report on Alcohol and Health and the prevalence of FAS/FASD among special populations (children in care, prisoners, Aboriginal populations, etc.) and compare these rates with the growing prevalence of FAS/FASD in the general population. This information will underscore the need for action.

Four topics (epidemiology, prevention, diagnosis and intervention) have been chosen wherein short, high level information segments of global significance will be presented throughout the day. These will serve as a catalyst for the group discussion that will follow each.

Full Day Pre-Conference Overview

Registration 7:45 am

Full day session 8:30 am – 4:45 pm

Two short breaks will be scheduled and lunch is provided

Welcome & Opening Remarks

Jan Lutke, Conference Chair, Vancouver, BC, Canada

Process for the Day

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

The World FASD Lives In

Geoffrey Robinson Memorial Lecture

Moiria Plant, PhD, Adjunct Professor, Curtin University, Perth, Australia; Emeritus Professor of Alcohol Studies Alcohol & Health Research Unit, University of the West of England, Bristol, UK

Topic 1 | Epidemiology

Svetlana 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

Topic 2 | Prevention

Sylvia Roozen, PhD, FASD Researcher, Governor Kremers Centre-Maastricht University, Maastricht, the Netherlands

Topic 3 | Diagnostics

Jan Lutke

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

Topic 3 | Diagnostics (ctd.)

Christine Loock, MD, FRCPC, Associate Professor, Department of Pediatrics, University of British Columbia; Responsive Intersectoral Community Health, Education, and Research (RICHER) Initiative, BC Children's Hospital & Sunny Hill Health Centre for Children, 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

Edward Riley, PhD, Distinguished Research Professor, Center for Behavioral Teratology, San Diego State University, San Diego, CA, USA

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

Topic 4 | Intervention

Rajesh C. Miranda, PhD, Professor, Department of Neuroscience and Experimental Therapeutics, College of Medicine, Texas A&M University Health Science Center, Bryan, TX, USA

Edward Riley, PhD, Distinguished Research Professor, Center for Behavioral Teratology, San Diego State University, San Diego, CA, USA

Dan Dubovsky, MSW, FASD Specialist, Philadelphia, PA, USA

Summary & Closing Remarks

Michael Charness

Real People, Real Lives, Real Future - Change Makers

FASD Leadership Committee

8:00 – 8:30 am | Registration Open

8:30 – 9:00 am

Opening and Welcome Remarks - Jan Lutke, *Conference Chair*

Traditional Welcome - TBC

Welcome Remarks - *Change Makers* - FASD Leadership Committee

Country Highlight - Norway

Gro Løhaugen, PhD, Principal Psychologist Specialist, Department of Pediatrics, Sørlandet Hospital, Arendal, Norway

Jon Skranes, MD PhD, Professor, Child Neurology and Rehabilitation, Department of Clinical and Molecular Medicine, Faculty of Medicine and Health Sciences, Norwegian University of Science and Technology (NTNU), Trondheim; Senior Paediatrician / Head of Child Habilitation Unit, Department of Pediatrics and Senior Consultant in Child Neurology, Regional Competence Center for Children with Prenatal Alcohol/Drug Exposure Health, South-East, Sørlandet Hospital, Arendal, Norway

9:00 – 10:30 am | MORNING PLENARY (INCLUDING Q&A)

Intrauterine Microbes: Missing or the Missing Link?

Tamar Gur, MD, PhD, Assistant Professor, Psychiatry & Behavioural Health, Neuroscience, Obstetrics & Gynecology; Associate Director, Medical Scientist Training Program, College of Medicine, The Ohio State University, Columbus, OH

Learning Objectives:

1. Review the microbiome – what is it and what does it do?
2. Review current literature on the role of intrauterine microbes on neurodevelopment
3. Consider how alterations in microbiota may influence neurodevelopment
4. Review how prenatal stress alters neurodevelopment and behavior
5. Apply information gained to potential role of microbes and inflammation in Fetal Alcohol Syndrome

Alterations in the Gut Microbiota Following PAE: Early Evidence from an Animal Model

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

Learning Objectives:

1. Review how PAE impacts immune function and inflammation
2. Review the term “leaky gut” and how this relates to PAE
3. Consider potential shifts in the gut microbiota following PAE

10:30 – 11:00 am | BREAK EXHIBITS OPEN, POSTER VIEWING

11:00 am – 12:30 pm | CONCURRENT SESSION A

A1 ORAL PAPER SESSION (INCL. 25% Q&A)

A1a Comparisons of the BRIEF Parental Report and Neuropsychological Clinical Tests of Executive Function in FASD: Data from the UK National Specialist Clinic

Alexandra Carlisle, PsychD, Psychologist, Surrey and Borders Partnership NHS Foundation Trust, National FASD Clinic, Redhill, Surrey, UK

A1b Changes in the Corpus Callosum in Newborn Infants with PAE

Neil Aiton, MBBS, MD, MRCP, FRCPCH, Consultant Neonatologist, Honorary Senior Lecturer, One Stop Clinic, Royal Sussex County Hospital, Brighton, UK

A1c Alterations in Brain Structural Connectome of Children and Youth with PAE

Xiangyu Long, PhD, Postdoctoral Scholar, Department of Radiology, Faculty of Medicine, University of Calgary, Calgary, AB, Canada

A1d Understanding and Assessing Affect Regulation Problems in FASD

Valerie Temple, PhD, Clinical Psychologist, Surrey Place Centre, Toronto, ON, Canada
Shirley McMillan, PhD, Clinical Nurse Specialist, Surrey Place Centre, Toronto, ON, Canada
Josee Casati, PhD, Clinical Psychologist, Surrey Place, Toronto, ON, Canada

A2 ORAL PAPER SESSION (INCL. 25% Q&A)

A2a Success through Advocacy and Role Modeling (STAR): A Community-Based FASD Prevention Program and Support for Wellbeing in a Manitoba First Nation Community

Grace Kyoon-achan, PhD, Research Fellow, Ongomiizwiin Research-Indigenous Institute of Health and Healing, College of Medicine, University of Manitoba, Winnipeg, MB, Canada

Irene Spence, Mentor, NCN-Family and Community Wellness Center, Nelson House, MB, Canada

Jean Johnson, RN, Clinical Supervisor, NCN-Family and Community Wellness Center, Nelson House, MB, Canada

A2b Systematic Review of Prevention Interventions to Reduce PAE and FASD in Indigenous Communities

Martyn Symons, BA(Hons) Cognitive Science & Psychology, PhD, Postdoctoral Researcher, National Health and Medical Research Council FASD Research, Australia Centre of Research Excellence, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia

A2c Multipronged Strategy Needed: FASD Awareness, Prevention and Support in an American Indian Community

Annika Montag, PhD, Epidemiologist and Pharmacologist, Department of Pediatrics, University of California San Diego, San Diego, CA, USA

Rhonda Romero, Team Member, Healthy Native Nation Program, Southern California Tribal Health Clinic, CA, USA

Toni Jensen, BA, Team Member, Healthy Native Nation Program, Southern California Tribal Health Clinic, CA, USA

A2d Prevalence of FASD in an American Indian Reservation-Based Sample

Annika Montag, PhD, Epidemiologist and Pharmacologist, Department of Pediatrics, University of California San Diego, San Diego, CA, USA

A3 ORAL PAPER SESSION (INCL. 25% Q&A)

A3a Alcohol Use During Pregnancy - A Portuguese Study

Maria Xavier, PhD, Centre for Studies in Human Development, Faculdade de Educação e Psicologia, Universidade Católica Portuguesa, Porto, Portugal

A3b Influences on Drinking Choices by Indigenous and Non-Indigenous Pregnant Women in Australia

Evi Muggli, Senior Research Officer, Murdoch Children's Research Institute; Honorary Research Fellow, Department of Pediatrics, University of Melbourne, Parkville, VIC, Australia

A3c Midwives' Assessment of Expecting Mothers' Alcohol Use (MAMA) - A UK-Wide Mixed Methods Study of the Implementation of the 2016 CMO Drinking Guidelines

Lisa Schölin, PhD, Research Fellow, Nursing Studies, University of Edinburgh, Edinburgh, UK

Lesley Smith, PhD, Professor of Women's Public Health, Institute of Clinical Health Sciences, University of Hull, Hull, UK

A3d Health Workers' Practices of Maternal Health Care and Awareness of FASD in the Philippines

Maria H. Zulueta, MA, Early Childhood Educator and FASD Researcher, Angeles University Foundation, Angeles City, Philippines

Olga A. Tulabut, PhD, Rpm, Dean, College of Arts and Sciences, Angeles University Foundation, Angeles City, Philippines

"We remember the past, live in the present, and write the future."

-Shaun David Hutchinson
We Are the Ants

A4 ORAL PAPER SESSION (INCL. 25% Q&A)

A4a Primary Cilia Dysfunction as a Novel Pathogenic Mechanism of Birth Defects in FASD
Karen Boschen, PhD, Postdoctoral Fellow, Bowles Center for Alcohol Studies, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

A4b Alcohol Exposure Around Conception Impairs Heart Function and Alters Estrogen Regulated Genes in Female Offspring
Karen Moritz, PhD, Director, Child Health Research Centre, the University of Queensland, Brisbane, QLD, Australia

A4c PAE Reduces 5-HT Concentration in Mouse Intestinal Muscle and Mucosa
Katarzyna A. Dylag, MD, Physician, Faculty of Medicine, Jagiellonian University Medical College; St.Louis Children Hospital, Kraków, Małopolskie, Poland

A4d Fetal Alcohol Exposures Promote the Development of Aggressive Tumors in the Endocrine Glands
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

A5 2 - 45 MINUTE SESSIONS (INCL. 25% Q&A)

A5a Developmental Traits and Characteristics of Children with FASD: An Interactive Workshop over the Meaning of Population-Based Data from the Recent Collaborative USA Prevalence Studies and Two Decades of Experience 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

This is an interactive discussion of physical and neurobehavioral characteristics of 5 to 7 year old children with FASD from recent general-population studies in the USA and South Africa. We will ask the question: how do these traits inform us and fit with the experience of attendees from multiple countries?

1. Examine results from two, large, general-population studies of children with FASD and typically-developing children in the USA and South Africa
2. Recognize variability among individual children within both studies and trends over time in South Africa
3. Reflect on the meaning of the data and trends in these studies for further appreciation of individual variation among children and across cultures

A5b PAE as Risk Factor for ADHD: Results of a Brazilian Longitudinal Cohort
Erikson F. Furtado, MD, PhD, 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

PAE is a risk factor for mental disorders in childhood. This research investigated its association with child psychiatric disorders, with a focus on Attention Deficit Hyperactivity Disorder, controlling for confounding factors. Binge drinking during pregnancy or alcohol consumption in all trimesters enhanced the risk for ADHD by five times.

1. Recognize PAE as an important risk factor for ADHD
2. Identify and criticize common flaws in FASD outcome studies

A6 2 - 45 MINUTE SESSIONS (INCL. 25% Q&A)

A6a Two by Two: Describing Twins with PAE in Manitoba
Sandra Marles, MD, FRCPC, FCCMG, Medical Geneticist, Manitoba FASD Centre, Winnipeg, MB
Shelley Proven, MSc,S-LP(C), CCC-SLP, Speech-Language Pathologist, Manitoba FASD Centre, Winnipeg, MB
Kelsey Scheepers, OT Reg (MB), Manitoba FASD Centre, Winnipeg, MB
Sheryle Marshall, OT Reg (MB), Clinic and Network Coordinator, Manitoba FASD Centre, Winnipeg, MB
Ana Hanlon Dearman, MD, MSc, FRCPC, FAAP, Medical Director, Manitoba FASD Centre, Winnipeg, MB

The Manitoba FASD Centre provided a multidisciplinary assessment for 30 twin pairs from 2000-2018. This presentation will describe the literature and relevant findings from our history, physical and neurodevelopmental examinations. Relevant delegate discussion will be encouraged.

1. Summarize the twin study literature and determine what it tells us about PAE in twins
2. Analyze our twin pairs, their assessment and diagnostic outcomes, including similarities and differences
3. Reflect on the literature and our data with our audience and learn about other clinics' and families' experience with twins with PAE

A6b FASD Diagnostic Discordance among Twins and Siblings
Susan Astley Hemingway, PhD, Director, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Professor, Epidemiology/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
Tracy Jirikowic, PhD, OTR/L, FAOTA, Member, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Associate Professor, Division of Occupational Therapy, University of Washington, Seattle, WA, USA
Erin Olson, PhD, Licensed Psychologist, Member, WA State Fetal Alcohol Syndrome Diagnostic and Prevention Network; Associate Instructor, College of Education, University of Washington, Seattle, WA, USA
John C. Thorne, PhD, CCC-SLP, Member, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Discipline Leader, Speech-Language Pathology, The Center on Human Development and Disability, Senior Lecturer, Speech and Hearing Sciences, University of Washington, Seattle, WA, USA

Not all fetuses are equally vulnerable to the adverse effects of PAE. Risk is not just dependent on level of exposure—fetal genetics plays an important role. As demonstrated in this study, despite identical exposures, twins can experience very different FASD outcomes.

1. Describe how often fetuses with identical PAEs present with discordant FASD diagnostic outcomes
2. Recognize that risk of FASD is not just dependent on the level of PAE—fetal genetics plays an important role
3. Understand that we currently do not know which fetuses are especially vulnerable to the adverse effects of PAE

A7 90 MINUTE SESSION
The Tipping Point: Translation of Research Outcomes from the First Prevalence Study of FASD Among Sentenced Youth in Australia Is Driving Policy Initiatives for Health, Child Protection and Justice

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
Rochelle Watkins, Senior Research Fellow, Alcohol, Pregnancy and FASD Research Team, Telethon Kids Institute, Perth, WA, Australia

This presentation will discuss how translation of research outcomes from the first prevalence study to estimate FASD among sentenced young people in Australia has been a tipping point for change. Key drivers for change, their hierarchy, utility and capacity for generalisation to other jurisdictions will be described.

1. Describe, discuss and demonstrate how mixed-methods research delineates the nature of Tipping Points
2. Reflect and discuss the hierarchy and practical application when translating Tipping Points to change practice and policy
3. Demonstrate new research-informed training resources for custodial officers; recognising and responding to neurodevelopmental difficulties

A8

90 MINUTE SESSION

Assessing the Neurocognitive Function in People with FASD: Subtleties of Presentation and Lessons from Three European FASD Specialist Clinics for Diagnosis and Management

Raja Mukherjee, MBBS, FRCPSych, PGDIP EPP, PhD, Consultant Psychiatrist, Tandridge CTPLD; Lead Clinician, FASD Specialist Clinic and Adult Autism Diagnostic Services, SABP NHS Foundation Trust, London, UK

Alexandra Carlisle, PsychD, FASD Specialist and Clinical Psychologist, National FASD Service UK, Surrey, UK

Alexandra Livesey, PsychD, Principal Psychologist, National FASD Service UK, Surrey, UK

Jennifer Shields, PsychD, Principal Psychologist, NHS Education For Scotland, Glasgow, Scotland

Gro Løhaugen, PhD, Principal Psychologist Specialist, Department of Pediatrics, Sørlandet Hospital, Arendal, Norway

The session will look at the clinical experience of three specialist clinics and explore, through case studies and clinic data, the benefits and limitations to cognitive testing in supporting the diagnosis. It will also explore wider clinical evaluation of people with FASD. Proposals for future work considerations will be made.

1. Identify the strengths and weaknesses of neurocognitive testing in FASD
2. Explore the toolkit of testing and facilitate discussion about bespoke testing toolkits for FASD

A9

90 MINUTE SESSION

Still Fighting for a Future: Where We Were and Where We Are Now. Exploring 15 Years of Progress on FASD in Canada

Kelly Harding, PhD, Research Associate, CanFASD Research Network; Adjunct Professor and Sessional Instructor, Psychology Department, Laurentian University; Sessional, Instructor, Communications Studies, Huntington University, Sudbury, ON, Canada

Dorothy Reid, MA, Clinical Psychology; Parent; Co-Chair, Family Advisory Committee, CanFASD Research Network, Abbotsford, BC, Canada

Shana Mohr, Training Coordinator, FASD Network of Saskatchewan; Parent; Member, Family Advisory Committee, CanFASD Research Network, Saskatoon, SK, Canada

Jan Lutke, Conference Chair, Vancouver, BC, Canada

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

In 2004, a large diverse group of parents of adolescents and adults with FASD came together to identify actions for change to improve outcomes for individuals with FASD. Six areas were identified with specific calls to action. Progress in each of these areas is reviewed and best practices/promising approaches are discussed.

1. Identify and analyze recommended Actions for Change cited in the 2004 Fighting for a Future symposia proceedings
2. Critically analyze and discuss developments in the 6 key areas identified and share best practices and promising approaches to supporting individuals with FASD across the lifespan
3. Equip individuals with FASD and parents with information on what works to assist in advocating for services and supports
4. Identify current gaps in the field and the need for ongoing, applied research that addresses areas that have made minimal progress in the past 15 years
5. Highlight the importance of including caregivers in research

A10

90 MINUTE SESSION

Addressing FASD in Remote and Urban Indigenous Communities: Rewards and Challenges

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

Christine Loock, MD, FRCPC, Associate Professor, Department of Pediatrics, University of British Columbia; Responsive Intersectoral Community Health, Education, and Research (RICHER) Initiative, BC Children's Hospital & Sunny Hill Health Centre for Children, Vancouver, BC, Canada

Prenatal exposure to alcohol (PAE) is common in some Indigenous communities where people have experienced colonization, residential schools and other historic traumas, with concurrent material and social disenfranchisement. FASD is increasingly recognised as a downstream problem which in turn can further impact social cohesion and continuation of language and culture through generations. Studies prioritised by and conducted in partnership with Aboriginal people will be presented. This interactive presentation involving Indigenous presenters will use film, music, art and case examples from rural/remote and urban settings from two continents.

1. Discuss varying patterns of reported alcohol use in pregnancy in urban vs rural/remote, non-Indigenous/Indigenous populations, and risk /protective factors effecting occurrence/ recurrence of FASD
2. Review processes of engagement, forming partnerships, community consultation and seeking consent for research
3. Identify the challenges and rewards of research with Indigenous communities

12:30 - 1:30 pm | LUNCH (PROVIDED)

(EXHIBITS OPEN, POSTER VIEWING)

12:30 - 1:30 pm | PARENT LUNCH* (PROVIDED)

12:30 - 1:15 pm | MEET THE EXPERTS LUNCH FOR TRAINEES** (PROVIDED)

1:30 - 3:00 pm | CONCURRENT SESSION B

B1

ORAL PAPER SESSION (INCL. 25% Q&A)

B1a YOUNG INVESTIGATOR

5-MIN

The Influence of Moderate Prenatal Ethanol Exposure on the Central Amygdala: An Investigation of CRF1 Receptor-Regulated GABAergic Transmission in Adolescents

Siara Rouzer, Graduate Student, Behavioural Neuroscience, Binghamton University, Binghamton, NY, USA

B1b **Identifying the Pattern and Prevalence of Alcohol Consumption in Pregnancy Using Infant Biomarkers and Confidential Postnatal Maternal Interview**

Elizabeth Henderson, MRCPCH, Researcher, Senior Paediatric Registrar, NHS Greater Glasgow and Clyde, Glasgow, Scotland, UK

B1c **The Role of the Proteasome in the Development of FASD**

Olivia Weeks, PhD Candidate, Goessling Laboratory, Harvard Medical School, Boston, MA, USA

B1d **Altered Embryo and Placental Development Following Exposure to Alcohol Around Conception**

Karen Moritz, PhD, Director, Child Health Research Centre, the University of Queensland, Brisbane, QLD, Australia

B1e **A Comparison of Two Alcohol Use Biomarkers with Self-reported Quantity, Frequency, and Timing of Alcohol Consumption in Antenatal Clinics in South Africa**

Julie Hasken, MPH, Project Manager, May Lab, University of North Carolina at Chapel Hill-Nutrition Research Institute, Kannapolis, NC, USA

B2

ORAL PAPER SESSION (INCL. 25% Q&A)

B2a YOUNG INVESTIGATOR

5-MIN

Mitigating the Stress Response in Children Affected by PAE from a Bio-Psycho-Social Framework

Paul Jerry, PhD, RPsych, Associate Dean and Professor, Faculty of Health Disciplines, Athabasca University, Medicine Hat, AB, Canada

B2b **Mutual Support - Moral Support: A Mini-Break for Families Raising Youngsters with FASD**

Alison Frieling, Parent, Vice Chairperson, FASD Deutschland e.V., Lingen, Germany

Gisela Michalowski, Chair, FASD Deutschland e.V., Lingen, Germany

B2c **The Impact of Micronutrient Supplementation in Alcohol-Exposed Pregnancies on Reaction Time Responses in Ukrainian Preschoolers**

Julie Kable, PhD, Associate Professor, Department of Psychiatry and Behavioural Sciences and Pediatrics, School of Medicine, Emory University, Atlanta, GA, USA

* For those parents who have children/adults living with FASD and are registered to attend the main conference, we are happy to announce that a lunch at 12:30pm on Thursday, March 7 is arranged for you. **If you are interested in attending, please sign up when registering for the conference.**

** Open to Trainees only. **If you are interested in attending, please sign up when registering for the conference.**

B3

ORAL PAPER SESSION (INCL. 25% Q&A)

B3a Evaluation of the Selected Pre- and Post-Natal Expositions/ Factors in Determining the 4-Digit Code for Diagnosis of FAS in Slovakia

Olga Okálová, PhD, Social Worker and Special Pegagogue, Catholic University, Ružomberok, Slovakia

B3b Working Towards a Shared Assessment Framework - A Review of Australian Neurodevelopmental Disorder Guidelines

Narelle Mullan, Program Manager, Telethon Kids Institute, Subiaco, WA, Australia

B3c The Process of Elaborating Polish Guidelines for Diagnosis of FASD

Katarzyna Okulicz-Kozaryn, PhD, Psychologist, State Agency For Prevention of Alcohol Related Problems, Warsaw, Poland

B3d A Tale of Two Countries: Applying the Canadian Guidelines to FASD Diagnosis in New Zealand

Valerie McGinn, PhD, Clinical Neuropsychologist, The FASD Centre, Aotearoa, New Zealand

B4

ORAL PAPER SESSION (INCL. 25% Q&A)

B4a FASD Prevention - What to Change in the First Place?

Sylvia Roozen, PhD, FASD Researcher, Governor Kremers Centre-Maastricht University, Maastricht, the Netherlands

B4b Reducing Stigma Towards Birth Mothers in Healthcare Providers: Warrior Moms Stand Up, Speak Up: Curriculum for Birth Mothers

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

B4c A Brief Intervention with a Lasting Impact

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

B4d Knowledge and Practices of Health Professionals Concerning Fetal Alcohol Syndrome in Reunion Island (France)

Bérénice Doray, MD, PhD, Professor, Medical Genetics, University Hospital, University of Reunion Island, Reunion Island, France

B5

ORAL PAPER SESSION (INCL. 25% Q&A)

B5a YOUNG INVESTIGATOR

5-MIN Challenges and Resiliency in Aboriginal Adults with FASD

Melanie Samaroden, Masters Student, Counselling Psychology, Athabasca University, Edmonton, AB, Canada
Paul Jerry, PhD, RPsych, Associate Dean and Professor, Faculty of Health Disciplines, Athabasca University, Medicine Hat, AB, Canada

B5b Rates of FASD Among Offenders Declared Dangerous in Saskatchewan (Canada) and the Policy Implications

Mansfield Mela, MBBS, FWACP, FRCPsych, MSc, FRCPC, Professor, Department of Psychiatry, University of Saskatchewan, Saskatoon, SK, Canada
Glen Luther, QC, Professor, Faculty of Law, University of Saskatchewan, Saskatoon, SK, Canada
Jacqueline Pei, Assistant Professor, Department of Educational Psychology; Assistant Clinical Professor, Department of Pediatrics, Faculty of Medicine, University of Alberta, Edmonton, AB, Canada

B5c Finding the Balance - Integrating Indigenous Worldview with Western Clinical FASD Assessment

Courtney Fraser, Knowledge Transfer Exchange Worker, Native Courtworker & Counselling Association, North Vancouver, BC, Canada
Melanie Nelson, MA, PhD Student, Psychologist, The Asante Centre, Maple Ridge, BC, Canada

This session will provide an overview of how project services support marginalized Indigenous youth in families throughout the FASD assessment process. An analysis of the challenges, successes and way forward in implementing and growing a two-lens model (Indigenous worldview and western medical approach) will be provided.

1. Recognize the importance of Indigenous value systems and how predominant western medical models can alienate or unintentionally reinforce intergenerational trauma
2. Identify ways to engage with Indigenous community stakeholders to partner and address the Calls to Actions made by the Truth and Reconciliation Commission of Canada
3. Examine practical applications of how to integrate an Indigenous worldview while walking together and occupying the same space with a western medical program
4. Review lessons learned and next steps in developing the integration of Indigenous worldview in standardized assessment practices

B6

2 - 45 MINUTE SESSIONS

B6a To See or Not to See - Considerations when Intaking Complex FASD Referrals

Sheryle Marshall, OT Reg (MB), Clinic and Network Coordinator, Manitoba FASD Centre, Winnipeg, MB
Sharon Wazney, RSW, BSW, Social Worker, Manitoba FASD Centre, Winnipeg, MB
Ana Hanlon Dearman, MD, MSc, FRCPC, FAAP, Medical Director, Manitoba FASD Centre, Winnipeg, MB
Kellsey Scheepers, OT Reg (MB), Manitoba FASD Centre, Winnipeg, MB

A multi-disciplinary intake team has been a critical component for reviewing complex referrals and determining client-centered pathways to either proceed with an FASD assessment or not. Clinical discussions that consider a range of factors contribute to the best practice for children/youth who are referred for an FASD assessment.

1. Describe the development of the multidisciplinary intake team: who is involved, what are the critical roles of specific team members in contributing to intake decisions
2. Discuss the decision pathways and outcomes for complex referrals
3. Stimulate discussion on approaches to managing the complexity of referrals for FASD assessment

B6b Affect Regulation (AR) in PAE and FASD

Valerie Temple, PhD, Clinical Psychologist, Surrey Place Centre, Toronto, ON, Canada
Hasu Rajani, MBBS, FRCPC, Professor, Department of Pediatrics, Division of General and Community Pediatrics, Faculty of Medicine & Dentistry, University of Alberta, Edmonton, AB, Canada
Mansfield Mela, MBBS, FWACP, FRCPsych, MSc, FRCPC, Professor, Department of Psychiatry, University of Saskatchewan, Saskatoon, SK, Canada

Affect Regulation deficits (ARDs) are common in FASD. Results of this study found they are associated with: suicide attempts; PTSD; Attachment, Conduct, Mood Disorders. Including ARDs in FASD diagnosis, and how this improves the process, is discussed. ARDs are related to many problematic comorbidities/ outcomes. Early identification may reduce risk.

1. Acquire skills to identify AR deficits in FASD
2. Link AR deficits with a variety of mental health outcomes and consider new ways of viewing these challenges
3. Enhance diagnostic skills for the AR domain of FASD

B7

90 MINUTE SESSION (INCL. 25% Q&A)

Improving Efficacy while Decreasing Costs of Diagnosis for Virtual FASD Teams

Louise Scott, PhD, Paediatric Neuropsychologist, Dr Scott & Associates, Paris; Peel FASD Diagnostic Services Team, Mississauga; Woodview Childrens' Mental Health and Autism Services, Brantford, ON, Canada
Nicole Schween, Manager, Woodview Childrens' Mental Health & Autism Services, Brantford, ON
Liv Elliot, Occupational Therapist, Peel FASD Diagnostic Services, Mississauga, ON
Moira Showers, Speech-Language Pathologist, Peel FASD Diagnostic Services, Mississauga, ON

The efficiency of select Ontario virtual FASD diagnostic teams has increased, and thereby decreased costs by employing standard brain injury diagnostic processes. This presentation will describe these new processes as well as review compelling data on how and why they are advantageous.

1. Comprehend the differences between paediatric brain injury (PBI) diagnostic and standard protocols/procedures and how & why they are more efficacious
2. Comprehend the various different techniques inherent in using PBI protocols
3. Review and receive a list of the different tests used in PBI protocols
4. Identify the differences in outcome between FASD and Brain Injury diagnoses

B8

90 MINUTE SESSION

Mental Health and Brain Abnormalities in Children with PAE and Co-occurring Risks

Catherine Lebel, PhD, Assistant Professor, Radiology, University of Calgary, Calgary, AB
Carly McMorris, PhD, Assistant Professor, Faculty of Education, University of Calgary, Calgary, AB
Ben Gibbard, MD, Developmental Pediatrician and Medical Director, Cumulative Risk Diagnostic Clinic, Calgary, AB
Chris Tortorelli, MA, Associate Director, Calgary and Area Children's Services; Sessional Faculty, Faculty of Health, Community and Education, Mount Royal University, Calgary, AB

Over 90% of individuals with FASD have co-occurring mental health problems. This symposium will explore mental health symptoms in children and youth with FASD from four different perspectives: neuroscience, neuropsychology, assessment and diagnosis, and child welfare policy.

1. Identify underlying neurological correlates of mental health in children and youth with PAE
2. Identify how neuropsychology processes of children and youth with PAE relate to mental health issues
3. Describe how mental health in FASD impacts diagnosis and service delivery

B9

2 - 45 MINUTE SESSIONS

B9a

Contrasts in FASD and ASD: A Clinical Perspective from BC's Provincial Diagnostic Networks

Armansa Glodjo, MD, MSc, FRCPC, Developmental Pediatrician, Medical Director and Senior Clinician, BC Autism Assessment Network (BCAAN); Senior Clinician, Complex Developmental Behavioural Conditions (CDBC) Program, Sunny Hill Health Centre, Vancouver, BC, Canada
Jamie Hack, MSc, RSLP, Speech-Language Pathologist, Senior Clinician, BC Autism Assessment Network (BCAAN); Senior Clinician, Complex Developmental Behavioural Conditions (CDBC) Program, Sunny Hill Health Centre, Vancouver, BC, Canada
Kelly Price, PhD, RPsych, Adjunct Assistant Professor, Department of Psychology, University of Victoria, Victoria, BC; Clinical Instructor, Department of Psychiatry, University of British Columbia, Vancouver, BC

A primary area of challenge for children with either FASD or ASD or the dual diagnoses of both disorders is socialization. Similarities and differences in externalizing behaviors of these groups can create challenges in diagnosis, but can also provide opportunities for better understanding these children. This session will provide some background to the neuropsychological and social communication profiles of these two groups and an open forum for sharing clinical perspectives of some clinicians working in the provincial CDBC and BCAAN diagnostic networks.

1. Describe the similarities and differences in social communication between ASD and FASD
2. Understand the neuropsychological overlap between FASD and ASD
3. Reflect on clinical experiences in a large assessment network addressing dual query ASD and FASD in children and youth

B9b

International Perspectives on FASD and ASD: Clinical Expert Panel Discussion

Session Co-Chairs: Armansa Glodjo, Christine Loock
Barbara Fitzgerald, MD, FRCPC, Developmental Pediatrician, Sunny Hill Health Centre; Consultant, Alderwood Family Development Centre; Clinical Associate Professor, Department of Pediatrics, University of British Columbia, Vancouver, BC
Claire D. Coles, PhD, Professor, Department of Psychiatry and Behavioral Sciences and Pediatrics, Emory University School of Medicine, Atlanta, GA, USA
Raja Mukherjee, Consultant Psychiatrist and Lead Clinician, National FASD Specialist Behaviour Clinic, Surrey and Borders, Partnership NHS Foundation NHS Trust, London, UK

There has been conflicting evidence regarding co-occurring/co-morbid associations between FASD and ASD and ASD-behaviours. Study design and observer bias may be a barrier for ascertaining the frequency of overlap of concurrent prenatal environmental exposures (e.g. maternal mental health and substance use), and social stigma may also influence diagnosis and reporting, precluding additional supportive interventions. A panel will encourage dialogue among participants, providing perspectives regarding similarities, differences and overlap of ASD, FASD, and other NDD.

1. Compare evidence on frequency of ASD and FASD in their region/ country
2. Review DSM-5 and proposed ICD-11 and impact on reporting ASD, FASD and other NDD
3. Discuss treatment implications of recognizing concurrent ASD and FASD [and other NDD diagnoses], and implications for hope and stress experienced by individuals and families
4. Discuss implications associated with phenomenological/functional diagnoses vs. etiological (e.g. genetic, teratogenic) for health and social system planners for research, prevention, treatment and supports.

B10

90 MINUTE SESSION

Emerging Approaches to FASD Prevention in Canada

Nancy Poole, PhD, Director, Centre of Excellence For Women's Health; Prevention Lead, CanFASD Research Network, Vancouver, BC, Canada
Rose Schmidt, MPH, Research Manager, Centre of Excellence for Women's Health, Vancouver, BC, Canada
Michelle Fortin, BA, Executive Director, BC Options for Sexual Health, Vancouver, BC, Canada
Kelly Harding, PhD, Research Associate, CanFASD Research Network; Adjunct Professor and Sessional Instructor, Psychology Department, Laurentian University; Sessional, Instructor, Communications Studies, Huntingdon University, Sudbury, ON, Canada
Nicole Pasquino, RN(c), BSN, BHSc, Clinical Practice Director, Options for Sexual Health, Vancouver, BC, Canada

This presentation will profile four emerging approaches to FASD prevention in the Canadian context: an integrated public policy approach to alcohol and cannabis use during pregnancy; Indigenous FASD prevention in the context of reconciliation; expanding the use of brief intervention on substance use and contraception in sexual health settings; and using sex and gender-based analysis to improve substance use services and policy.

1. Identify opportunities for collaborative and cross-sectoral partnerships to develop new approaches to FASD prevention
2. Describe emerging issues and trends in substance use, women's health, public policy, sex and gender based analysis and Indigenous wellness relevant to FASD prevention

3:00 - 3:30 pm | BREAK EXHIBITS OPEN, POSTER VIEWING

3:30 - 5:00 pm | PLENARY (INCLUDING Q&A)

Country Highlight - Philippines

Olga A. Tulabut, PhD, Rpm, Dean, College of Arts and Sciences, Angeles University Foundation, Angeles City, Philippines

Cannabinoids Exacerbate Alcohol-induced Birth Defects in Rodents and Zebrafish

Scott Parnell, PhD, Assistant Professor, Bowles Centre for Alcohol Studies, Department of Cell Biology and Physiology, University of North Carolina, Chapel Hill, NC, USA

1. Recognize that cannabinoids, including marijuana, can be teratogenic during early pregnancy in a manner similar to alcohol
2. Appreciate that alcohol and cannabinoids together can exacerbate the effects of each other
3. Discover the mechanism by which alcohol and cannabinoids interact

Embryonic Exposure to Cannabinoids and Alcohol Alters Early Development in Zebrafish and May Have Long-term Consequences in Adults

Declan Ali, PhD, Associate Dean Research, Faculty of Science; Professor, Department of Biological Sciences, University of Alberta, Edmonton, AB, Canada

1. Recognize the effect of cannabinoids on early development
2. Describe the combined effects of cannabinoids and alcohol on early development and maturation
3. Review the implications of cannabinoid exposure for pregnancy

Discussion - Cannabinoids, Alcohol, and Pregnancy: How Should Current Knowledge Change Policy, Practice, and Behavior?

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

Registry Updates: Advancing Research through Participation

Tatiana Foroud, PhD, Professor, Department of Medical and Molecular Genetics, School of Medicine, Indiana University, Indianapolis, IN, USA

Claire D. Coles, PhD, Professor, Department of Psychiatry and Behavioral Sciences and Pediatrics, Emory University School of Medicine, Atlanta, GA, USA

5:00 pm | ADJOURN



8:30 – 10:30 am | Parallel Plenaries

PLENARY #1 - CIFASD SYMPOSIUM

The Collaborative Initiative on FASD

Edward Riley, PhD, Distinguished Research Professor, Center for Behavioral Teratology, San Diego State University, San Diego, CA, USA

PART 1 - The Genetics of FASD: CIFASD Studies in Fish, Mice, and Humans

Genetic and Bioinformatic Approaches to Understanding Alcohol Teratogenesis

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

1. Explain how gene-ethanol interactions modify outcomes of ethanol exposure
2. Outline how bioinformatics can predict modifiers of ethanol exposures

Diving into Social Deficits with a Zebrafish Model

Yohaán Fernandes, PhD, Postdoctoral Fellow, Eberhart Lab, Department of Molecular Biosciences, Waggoner Center for Alcohol & Addiction Research, University of Texas at Austin, Austin, TX, USA

1. Describe how the zebrafish can be used to model one of the alcohol-induced social deficits, which is one of the most frequent and devastating symptom of FASD
2. Describe how the zebrafish can be used to provide mechanistic insight into alcohol-induced social deficits

Genetic Modifiers of Susceptibility to PAE in Mice

Scott Parnell, PhD, Assistant Professor, Bowles Centre for Alcohol Studies, Department of Cell Biology and Physiology, University of North Carolina, Chapel Hill, NC, USA

1. Recognize that genetics can modify susceptibility to prenatal alcohol exposure
2. Learn new genes that modify susceptibility to alcohol and what this tells us about cellular mechanisms

The Genetics of FASD: Accelerating Research Advances

Tatiana Foroud, PhD, Professor, Department of Medical and Molecular Genetics, School of Medicine, Indiana University, Indianapolis, IN, USA

1. Describe how genetics may play a role in the risk for FASD
2. Integrate online research opportunities for families with FASD

10:00 – 10:30 am | BREAK EXHIBITS OPEN, POSTER VIEWING

PART 2 - Biomarkers of Exposure and Risk: The Quest for Early Diagnosis and Intervention

Maternal Circulating MicroRNAs Control The Placental Response To PAE

Rajesh C. Miranda, PhD, Professor, Department of Neuroscience and Experimental Therapeutics, College of Medicine, Texas A&M University Health Science Center, Bryan, TX, USA

1. Evaluate the importance of Epithelial Mesenchymal Transition in placental development and fetal growth
2. Identify key functions of microRNAs
3. Describe how microRNAs are not only biomarkers that aid in diagnosis, but contribute to the pathophysiology of FASD

Immune Dysregulation in FASD: Programming of Health and Neurobehavioral Outcomes

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

1. Discuss what cytokines are and how changes in cytokines reflect changes in immune system activity.
2. Describe how cytokines may change in pregnant women following alcohol consumption and how these changes may be linked to child outcome.
3. Discuss what changes in cytokines/immune function can tell us about health outcomes in children, adolescents, and adults with FASD.

The Role of Trajectories in Clinical Prediction of Future FASD Outcomes

Christina 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

1. Evaluate the value of early identification of children at highest risk of learning and behavioral impairments in childhood
2. Identify key maternal/family factors that may improve outcomes for alcohol-exposed children
3. Understand the possible contribution of a child's pattern of growth to developmental performance

CIFASD Plenary Session (Part 3) continued on next page

PLENARY #2 - GLOBAL ACTION ON FASD PREVENTION RESEARCH, POLICY AND PRACTICE

Since the EUFASD conference in London (2016) Sylvia Roozen (Netherlands), James Fitzpatrick (Australia), Nancy Poole (Canada) and Leana Olivier (South Africa) have been working together to coordinate an International FASD Prevention Interest Group designed to: promote knowledge exchange on FASD prevention at international conferences and through joint publications; plan for a multi-country FASD prevention study; and link global action on FASD prevention overall. This plenary will highlight research, practice and policy developments in FASD prevention from around the world, and offer the opportunity for participants to discuss and provide information on how their interests and activities fit within a global context.

Learning Objectives:

1. Provide an overview of global developments in FASD prevention activities and research
2. Share evidence from selected FASD prevention research projects, representing activities at all levels of FASD prevention
3. Describe plans and current developments for an International FASD Prevention Interest Group
4. Gather information on FASD prevention activities being undertaken by plenary participants, through table discussions and handouts
5. Facilitate discussion of opportunities for involvement in international activities on FASD prevention

FASD Prevention Internationally – Overview of Advances and Plans

Sylvia Roozen, PhD, FASD Researcher, Governor Kremers Centre-Maastricht University, Maastricht, the Netherlands

Level 1 – Overview of Approaches to Increasing Awareness, Health Promotion, & Implementation of Supportive Alcohol Policy

Nancy Poole, PhD, Director, Centre of Excellence For Women's Health; Prevention Lead, CanFASD Research Network, Vancouver, BC, Canada

Level 1 – Changes in Awareness and Alcohol Use in Pregnancy from Make FASD History Project, Australia

Martyn Symons, BA(Hons) Cognitive Science & Psychology, PhD, Postdoctoral Researcher, National Health and Medical Research Council FASD Research Australia Centre of Research Excellence, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia

Level 2 – Preconception Prevention Approaches – Project Choices Model, USA

Karen Ingersoll, PhD, Professor and Clinical Psychologist, Department of Psychiatry and Neurobehavioral Sciences, University of Virginia, Charlottesville, VA, USA

Level 2 – Approach to Increasing Capacity by Midwives for Brief Alcohol Interventions, Scotland

Lisa Schölin, PhD, Research Fellow, Nursing Studies, University of Edinburgh, Edinburgh, UK

10:00 – 10:30 am | BREAK EXHIBITS OPEN, POSTER VIEWING

Level 3 & 4 – Healthy Mothers Healthy Babies Model in South Africa

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

All level - Prevention Linked to Diagnosis, Support and Research in Australian Communities – Building on the Marulu Strategy

James P. Fitzpatrick, MBBS, FRACP, BSc, PhD, NMHRC Career Development Fellow, McCusker Fellow in Aboriginal Child Health; National Health and Medical Research Council FASD Research Australia Centre of Research Excellence, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia

Systematic FASD Prevention Programs

Sylvia Roozen, PhD, FASD Researcher, Governor Kremers Centre-Maastricht University, Maastricht, the Netherlands

Audience Table Discussion & Activities

Introduction by: Sylvia Roozen

**Wrap up
Nancy Poole**

12:20 – 1:45 pm | LUNCH (PROVIDED)

PART 3 - Automating the Diagnosis and Treatment of FASD

Development and Implementation of a Mobile Screening Tool for Identification of Children Affected by Prenatal Alcohol

Sarah Mattson, PhD, Professor, Department of Psychology, San Diego State University, San Diego, CA, USA

1. Describe a newly-developed mobile application for improved identification of youth with FASD being tested in clinical settings
2. Examine the data collected and identify strengths and weaknesses of the tool

3D Facial Analysis for the Objective Identification of FASD Associated Facial Dysmorphology

Michael Suttie, PhD, Researcher, Medical Image Analysis, Nuffield Department of Women's Reproductive Health, University of Oxford, Oxford, UK

1. Recognize how evaluation of minor facial anomalies contributes to clinical evaluation
2. Identify how screening of 3D face shape fits into the FASD clinic workflow

Families Moving Forward – Connect: Developing a Mobile Health Intervention for Families Raising Children with FASD

Christie Petrenko, PhD, Clinical Psychologist and Researcher, Mt. Hope Family Center, University of Rochester, Rochester, NY, USA

Cristiano Tapparelo, PhD, Research Associate, Department of Electrical and Computer Engineering, University of Rochester, Rochester, NY

1. State how a mobile health intervention could reduce barriers and increase access to FASD-informed care.
2. Describe key features of the FMF Connect app.
3. Evaluate the presentation of the FMF Connect prototype and consider their opinions of the development process and app features.

12:20 – 1:45 pm | LUNCH (PROVIDED)

1:45 – 3:15 pm | CONCURRENT SESSION C

C1 ORAL PAPER SESSION (INCL. 25% Q&A)

C1a **Prevalence of Urinary System Defects Among Patients with FASD**

Katarzyna Anna Dylag, MD, Physician, Faculty of Medicine, Jagiellonian University Medical College; St. Louis Children Hospital, Kraków, Małopolskie, Poland

C1b **Physical Health Impacts of FASD: Preliminary Results from a Caregiver Survey**

Natasha Reid, PhD, Postdoctoral Research Fellow, Child Health Research Centre, The University of Queensland, Brisbane, QLD, Australia

C1c **The Oral Health Status of Children with FASD**

Keith Da Silva, DDS, MSc, FRCD(C), Pediatric Dentist, Public Health Dentist, College of Dentistry, University of Saskatchewan, Saskatoon, SK, Canada

C1d **Characteristics and Outcomes of Patients with FASD Presenting to the Emergency Department – A Retrospective Chart Review**

Brittni Webster, BA, JD, MD, CCFP(EM), Resident Physician, University of Saskatchewan, Saskatoon, SK, Canada

C2 ORAL PAPER SESSION (INCL. 25% Q&A)

C2a YOUNG INVESTIGATOR

5-MIN

Proposal of Using Latent Profile Analysis to Create Pathognomonic FASD Profiles

Louisa Clapper, Masters Student, Graduate Centre for Applied Psychology, Athabasca University; FASD Programs Manager, Medicine Hat, AB, Canada
Paul Jerry, PhD, RPsych, Associate Dean and Professor, Faculty of Health Disciplines, Athabasca University, Medicine Hat, AB, Canada

C2b **Examining the Internal and External Validity of Neurobehavioral Disorder Associated with PAE (ND-PAE) in a Prospective Clinical Sample**

James Sanders, PhD, RPsych, Assistant Professor, Faculty of Health Sciences, University of Lethbridge, Lethbridge, AB, Canada

C2c **Language Development in Children with FASD: What Do We Know About Learning Processes in Light of Cognitive Profiles?**

Sara Kover, PhD, Assistant Professor, Faculty of Speech and Hearing Sciences, University of Washington, Seattle, WA, USA
John C. Thorne, PhD, CCC-SLP, Member, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Senior Lecturer, Speech and Hearing Sciences; Discipline Leader, Speech-Language Pathology, The Centre on Human Development and Disability, University of Washington, Seattle, WA, USA

C2d **Alcohol Risk Exposure Predicts Communication Delays in Early Childhood**

Nicole Netelenbos, MSc, Psychometrist, Lethbridge FASD Diagnostic Clinic, Lethbridge, AB, Canada

C3 ORAL PAPER SESSION (INCL. 25% Q&A)

C3a **"You Don't Want to Drink? What Are You, Pregnant!?!": A Television Media Analysis of Alcohol Consumption During Pregnancy**

Kelly Harding, PhD, Research Associate, CanFASD Research Network; Adjunct Professor and Sessional Instructor, Psychology Department, Laurentian University; Sessional, Instructor, Communications Studies, Huntington University, Sudbury, ON, Canada
Eric Harding, MA Candidate, Department of History, Laurentian University, Sudbury, ON, Canada

C3b **Social Media Contribution to Public Education – Campaign "Pregnancy Without Alcohol" in Poland**

Jolanta Terlikowska, MA, PhD Student, Departments of Work and Social Psychology, University of Maastricht, Maastricht, Netherlands; Educator, The State Agency for Prevention of Alcohol Related Problems, Warsaw, Poland

C3c **The Impact of Stigma on Parents and Children with FASD in the Child Welfare System**

Peter W. Choate, PhD, Associate Professor, Social Work, Mount Royal University, Calgary, AB, Canada
Dorothy Badry, PhD, RSW, Associate Professor, Faculty of Social Work, University of Calgary, Calgary, AB, Canada

C3d **The International SAFTHON Update: Challenging Public Opinion and Influencing FASD Prevention Policies**

Denis Lamblin, MD, Developmental Pediatrician, President SAF FRANCE; President and Delegate Director, Local & Regional Networks, International SAFTHON (FASTHON); National & International Relations, FASD Resource Center, Père Favron Foundation, Reunion Island, France
Joëlle Balanche, International Relations Coordinator, FAS FRANCE; Psychomotrician, CAMSP, Père Favron Foundation, Reunion Island, France

C4 ORAL PAPER SESSION (INCL. 25% Q&A)

C4a **PGIF - A Placental Biomarker for Early Diagnosis of FASD Brain Defects**

Bruno Gonzalez, PhD, Researcher, Inserm U1245, Normandy, Université de Rouen, Rouen, France

C4b Estimating PAE in West Virginia Using Residual Newborn Screening Specimens

Stefan Maxwell, MD, Clinical Associate Professor, Pediatrics; Medical Director, NICU Charleston Division, United States Drug Testing Laboratories, Inc., Des Plaines, IL, USA

C4c Newborn Phosphatidylethanol Screening to Detect Fetal Alcohol Exposure in Uruguay

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

C4d Gestational Binge Drinking and Fetal Growth: Systematic Review of Prospective Cohort Studies

Lesley Smith, PhD, Professor, Women's Public Health, Institute of Clinical and Applied Health Sciences, University of Hull, Hull, UK

C5 ORAL PAPER SESSION (INCL. 25% Q&A)

C5a Creating a Contextual Setting for Health Professionals to Discuss Alcohol and Pregnancy - A Strategy Based on Knowledge Translation

Louise Gray, Executive Officer, NOFASD Australia, Canberra, ACT, Australia

C5b Patterns of Alcohol Intake of Pregnant and Lactating Women in Rural Western Australia

Martyn Symons, BA(Hons) Cognitive Science & Psychology, PhD, Postdoctoral Researcher, National Health and Medical Research Council FASD Research Australia Centre of Research Excellence, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia

C5c Discussing Multiple Substances by Multiple Providers, as a Key FASD Prevention Strategy

Rose Schmidt, MPH, Researcher, Centre of Excellence for Women's Health and CanFASD Prevention Network Action Team, Vancouver, BC, Canada

C5d The Prevention Conversation: Let's Talk About Alcohol and Pregnancy: a New CanFASD Online Training Resource

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

C6 2 - 45 MINUTE SESSIONS

C6a Accuracy of Motor Assessment in the Diagnosis of FASD

Erin Branton, MScPT, Physical Therapist, Pediatric Specialty Clinic, Alberta Health Services, Camrose, AB, Canada
Danielle Johnston, BScOT, Occupational Therapist, Pediatric Specialty Clinic, Alberta Health Services, Camrose, AB, Canada

Children and youth with FASD frequently have difficulty with the motor skills required in daily activities (e.g. printing, buttons, balance), but rarely score with a severe deficit in the motor domain. This research study examined the accuracies of the recommended motor assessments and explored the effect of alternate cut-off percentiles.

1. Compare and contrast the accuracies of available and recommended motor assessments during the diagnosis of FASD
2. Explore the effect of alternate cut-off percentiles on the accuracy of motor assessment
3. Explore current research on motor assessment in FASD diagnosis and identify gaps

C6b A Novel Integrated Approach in Addressing the Primary & Secondary Symptoms of FASD: The Relative Efficacy of QEEG Guided Neurofeedback & HRV Therapy with Physical Therapy to address Developmental Coordination Disorder (DCD) and Parent Consultation

Ajeet Charate, MBBS, MA, LCPC, BCN, FASD Specialist, Trinity Services Inc, Naperville, IL, USA
Smita Charate, BSc PT, Physical Therapist, Neurofeedback & Integrated Therapy Institute, Naperville, IL, USA

There are not many non-invasive treatments that can assess and treat many of the primary behavioral issues in individuals with FASD. Clinical experience shows that an integrated approach using QEEG - guided neurofeedback treatments with HRV trainings improves attention, focus, anxiety, executive functioning, information processing, sensory and transitional issues.

1. Identify and understand the importance of a QEEG assessment in understanding the primary issues of FASD
2. Describe the different kinds and Neurofeedback treatments and HRV trainings
3. Recognize the value and critical importance of addressing DCD symptoms
4. Reflect on how the integrated approach model may apply to current practices and research

C7

90 MINUTE SESSION

A Two-Tiered Model for Diagnosis of FASD: Neurodevelopmental Assessment

Claire Coles, PhD, Professor, Psychiatry and Pediatrics, Emory University, School of Medicine, Atlanta, GA, USA

A model for application in clinical settings of a two-tiered approach to assessment of the neurodevelopmental impact of PAE will be offered. Data from both clinical and experimental contexts, suggest that this model can be used to offer diagnostic services more efficiently.

1. Articulate how the current methods for neurodevelopmental assessment of FASD limit access to services
2. Interpret the results presented assessing the Tier 1 battery of assessment across different context
3. Apply the two-tiered model in a clinical setting

C8

3-HOUR SESSION

Is Iron Deficiency Impeding Personalized and/or Precision Medicine in Individuals with FASD? Ways out of the Iron Conundrum

James Connor, PhD, Distinguished Professor and Vice Chair of Research, Neurosurgery, Pennsylvania State University College of Medicine and Penn State Health Hospital, Hershey, Pennsylvania, USA

Alison Frieling, Parent, Vice Chairperson, FASD Deutschland e.V., Lingen, Germany
Osman Ipsiroglu, FRCPC, MBA, PhD, MD, MAS, Adjunct Professor, Faculty of Science, Thompson Rivers University, Kamloops; Adjunct Professor, Division of Developmental Paediatrics, Department of Pediatrics, Faculty of Medicine, University of British Columbia; Investigator, BC Children's Hospital Research Institute, Vancouver, BC, Canada

Mansfield Mela, MBBS, FWACP, FRCPsych, MSc, FRCPC, Professor, Department of Psychiatry, University of Saskatchewan, Saskatoon, SK, Canada
Beth Potter, PhD, Epidemiologist, Methodologist, School of Epidemiology and Public Health, Faculty of Medicine, University of Ottawa, Ottawa, ON
Alexander Rauscher, PhD, Physicist, BC Children's Hospital Research Institute; Department of Neurology, Brain MRI-Team, University of British Columbia, Vancouver, BC, Canada

MODERATED BY:

Dorothy Reid, MA, Clinical Psychology; Parent; Co-Chair, Family Advisory Committee, CanFASD Research Network, Abbotsford, BC, Canada
Christine Loock, MD, FRCPC, Associate Professor, Department of Pediatrics, University of British Columbia; Responsive Intersectoral Community Health, Education, and Research (RICHER) Initiative, BC Children's Hospital & Sunny Hill Health Centre for Children, Vancouver, BC, Canada
Lori Vitale Cox, PhD, Psychologist, Diagnostic and Intervention Team, The Eastern Door, Elsipogtog First Nation, NB, Canada

This three-hour symposium will include presentations about clinical background and new available research in the first 90 minutes. The second part will include interactive group work, where facilitators will review the suggested clinical protocol for history taking and monitoring therapeutic interventions in regard to iron deficiency and/or iron dysfunction.

1. Review associations of ID/metabolism with the pathophysiology of FASD genesis
2. Present ID-scoping review results and H-Behaviour presentations
3. Review communication challenges in clinical practice from the perspectives of families and clinicians
4. Introduce the methodology of the proposed Iron Supplementation Study, which will focus on effects of iron supplementation and brain-iron-levels in context with patient-centered and health system outcomes

C9

90 MINUTE SESSION

The 5-Digit-FASD-Life-Code-System - A tool Designed for use in Social Paediatric Centres (SPCs) - A Continuing Support Programme for Children/Youth Affected by FASD

Heike Hoff-Emden, MD, Head Doctor, Psychotherapist, Social Medicine, Social Paediatric Centre Leipzig, Fruehe Hilfe Leipzig, Germany

This presentation will describe the creation of a long-term dynamic multi-dimensional overall concept for a specialist center using a five-digit FASD life code system. The system represents new treatment quality for those with FASD, and encompasses medical, neuro psychological, social behaviour, trauma diagnosis, coordination of treatment/ therapies, participation, and creation of networks.

1. Illustrate how the The 5-Digit-FASD-Life-Code-System - a continuing, multidisciplinary support programme - can be used as tool across the lifespan
2. Review a manual for coaching caregivers as helpful material, summarize the tool The 5-Digit-FASD-Life-Code-System

C10

90 MINUTE SESSION

Families Moving Forward - Connect: Developing a Mobile Health Intervention for Families Raising Children with FASD

Christie Petrenko, PhD, Clinical Psychologist and Researcher, Mt. Hope Family Center, University of Rochester, Rochester, NY, USA

Christiano Tapparelo, PhD, Research Associate, Department of Electrical and Computer Engineering, University of Rochester, Rochester, NY, USA

Jennifer Parr, MS, Doctoral Student, Mental Health Counsellor, Mt. Hope Family Center, University of Rochester, Rochester, NY, USA

This presentation will highlight the systematic development of a novel mobile health intervention for families raising children with FASD called Families Moving Forward (FMF) Connect to address barriers and increase access to FASD-Informed care. A current app prototype will be demonstrated and feedback from focus group methods will be reviewed.

1. Identify at least one barrier that contributes to families not receiving FASD-informed care
2. State how a mobile health intervention could reduce barriers and increase access to FASD-informed care
3. Review existing focus group data on the FMF Connect app
4. Evaluate presentation of the FMF Connect prototype and express their opinions of the development process and app features

3:15 - 3:45 pm | BREAK EXHIBITS OPEN, POSTER VIEWING

3:45 - 5:15 pm | CONCURRENT SESSION D

D1

ORAL PAPER SESSION (INCL. 25% Q&A)

D1a The Importance of Emotion Recognition and School Functioning in Children with FASD

Andi Crawford, PhD, Clinical Psychologist, Hawke's Bay DHB, Hastings, New Zealand

D1b Perspectives of Supporting Adopted Children with PAE: An Interpretative Phenomenological Analysis

Jennifer Shields, PhD, Principal Clinical Psychologist, Fetal Alcohol Assessment and Support Team, NHS Ayrshire and Arran, Ayrshire, Scotland, UK

D1c Improved Parenting Skills of Adoptive Parents with Young Children with FASD

Zohreh Zarnegar, PhD, MS, MA, Director, Children's Health International, Salem, OR, USA

D1d Service Providers' Perspectives on Available Policies and Interventions for FASD

Babatope Adebisi, PhD Student, Researcher, School of Public Health, University of the Western Cape, Western Cape, South Africa

D2

ORAL PAPER SESSION (INCL. 25% Q&A)

D2a YOUNG INVESTIGATOR

5-MIN

Fetal Alcohol Syndrome Among Children in Public Elementary Schools in Angeles City, Philippines

Olga A. Tulabut, PhD, Rpm, Dean, College of Arts and Sciences, Angeles University Foundation, Angeles City, Philippines

Christian J. Manio, Student, Angeles University Foundation, Angeles City, Philippines

D2b Identifying Facial Features Associated with PAE in Newborn Infants Using 2D and 3D Imaging

Neil Aiton, MBBS, MD, MRCP, FRCPCH, Consultant Neonatologist, Honorary Senior Lecturer, One Stop Clinic, Royal Sussex County Hospital, Brighton, UK

D2c Improving Assessments for FASD in Canada; An Approach to Co-Morbid Psychiatric Diagnoses and Treatment for Children in Care

Mitesh Patel, MD, FRCPC, Forensic & Child and Adolescent Psychiatrist, Children's Aid Society of Toronto, Toronto, ON, Canada

Sabrina Agnihotri, PhD, MD(c), Post-doctoral Fellow, Bloorview Research Institute, Holland Bloorview Kids Rehabilitation Hospital, Toronto, ON, Canada

D2d The Benefits of Innovation: A Triage System for FASD Assessment Intake

Marcel Zimmel, FRACP MBBS BA(Hons), Staff Specialist Paediatrician, Sydney Children's Hospital Network, Westmead, NSW, Australia

D2e FASD in Motion: Case Surveillance and Diagnosis in Australia in the 21st Century

Marcel Zimmel, FRACP MBBS BA(Hons), Staff Specialist Paediatrician, Sydney Children's Hospital Network, Westmead, NSW, Australia

D3

ORAL PAPER SESSION (INCL. 25% Q&A)

D3a Infant Circulating MicroRNAs as Biomarkers of Effect in FASD

Amanda H. Mahnke, PhD, Postdoctoral Research Associate, Department of Neuroscience and Experimental Therapeutics, Texas A&M University Health Science Center, Bryan, TX

D3b Fetal Sex Is a Determinant of Maternal Plasma MicroRNA Responses to PAE: Evidence from an Analysis of a Ukraine Cohort

Nihal A. Salem, PhD Student, Department of Neuroscience and Experimental Therapeutics, College of Medicine, Texas A&M University Health Science Center, Bryan, TX, USA

D3c A Unique Mouse Model to Identify Genetic Polymorphisms that Modify Outcomes in PAE

Susan Smith, Deputy Director of Science and Professor, UNC Nutrition Research Institute, University of North Carolina at Chapel Hill, Kannapolis, NC, USA

D4

ORAL PAPER SESSION (INCL. 25% Q&A)

D4a A Qualitative Study Exploring Midwives' Attitudes and Practices of Advising Pregnant Women About Alcohol in England and Sweden

Lisa Schölin, PhD, Research Fellow, Nursing Studies, University of Edinburgh, Edinburgh, UK

D4b Nurturing Families: Piloting a Modified Parent Child Assistance Program (PCAP) in Perth

Martyn Symons, BA(Hons) Cognitive Science & Psychology, PhD, Postdoctoral Researcher, National Health and Medical Research Council FASD Research Australia Centre of Research Excellence, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia
James P. Fitzpatrick, MBBS, FRACP, BSc, PhD, NMHRC Career Development Fellow, McCusker Fellow in Aboriginal Child Health; National Health and Medical Research Council FASD Research Australia Centre of Research Excellence, Telethon Kids Institute, University of Western Australia, Perth, WA, Australia

D4c Perceptions About Alcohol Use During Pregnancy in France, Portugal and Spain – A Cross-Cultural Qualitative Study

Maria Xavier, PhD, Centre for Studies in Human Development, Faculdade de Educação e Psicologia, Universidade Católica Portuguesa, Porto, Portugal

D4d Alcohol Consumption Practices among Married Women of Reproductive Age in Nepal: A Population Based Household Survey

Kul Bahadur Chand, MA, Nepal Disabled and Helpless Rehabilitation Center (NDHRC), Tikarma Foundation, Kathmandu, Nepal

D5

ORAL PAPER SESSION (INCL. 25% Q&A)

D5a A New Molecular Etiology of FASD: Retinoic Acid Deficiency Induces FASD-Like Craniofacial and Neurodevelopmental Malformations

Berardino Petrelli, MSc Student, Department of Biochemistry & Medical Genetics, Regenerative Medicine Program, Faculty of Medicine, University of Manitoba, Winnipeg, MB, Canada

D5b Examining the Prevalence of Fetal Alcohol Exposure in Two Latin American Countries Using Surveys and Alcohol Biomarker Phosphatidylethanol

Raquel Magri, MD, Neonatologist and FASD Specialist, USDTL United States Drugs Testing Laboratories, Chicago, IL, USA

D5c Alcohol Effects on the Proteome of Fetal Neural Stem Cell-Derived Extracellular Vesicles: A Novel Mechanism for Alcohol Teratogenesis

Dae Chung, BS, Graduate Assistant Researcher, Texas A&M University Health Science Center, Bryan, TX, USA

D5d Functional Connectivity in a Rat Model of FASD: A Pilot Study Using Resting State Functional MRI

Sandra Mooney, PhD, Associate Professor, Nutrition Research Institute, University of North Carolina at Chapel Hill, Kannapolis, NC, USA

D6

90 MINUTE SESSION

Evidence Informed Guidelines for the Multidisciplinary Assessment of Preschoolers Prenatally Exposed to Alcohol

Ana Hanlon Dearman, MD, MSc, FRCPC, FAAP, Medical Director, Manitoba FASD Centre, Winnipeg, MB, Canada
Kellsey Scheepers, OTReg (MB), MOT, BA, Manitoba FASD Centre, Winnipeg, MB, Canada
Shelley Proven, MSc,S-LP(C), CCC-SLP, Speech-Language Pathologist, Manitoba FASD Centre, Winnipeg, MB, Canada
Sandra Marles, MD, FRCPC, FCCMG, Medical Geneticist, Manitoba FASD Centre, Winnipeg, MB, Canada

Over 15 years of multidisciplinary data of infant and preschool assessments at the MB FASD Centre has been analyzed to describe observed patterns and inform diagnostic guidelines. This presentation will describe those patterns, including patterns predictive of FASD diagnosis, and will recommend guidelines for the assessment of preschoolers.

1. Describe clinical outcomes of preschoolers with PAE seen at the MB FASD Centre
2. Recommend diagnostic assessments for preschoolers referred with PAE
3. Enhance the Canadian Guideline recommendations for domains predictive of FASD diagnosis in preschoolers

D7

90 MINUTE SESSION

Modulatory Role of Postnatal Environment on the Effects of PAE: Risk vs. Resilience

Charlis Raineke, PhD, Department of Cellular and Physiological Sciences, University of British Columbia, Vancouver, BC, Canada
Parker J. Holman, MS, MSED, PhD Candidate, Department of Cellular and Physiological Sciences, University of British Columbia, Vancouver, BC, Canada
Tamara Bodnar, PhD, Postdoctoral Fellow, Department of Cellular and Physiological Sciences, University of British Columbia, Vancouver, BC, Canada

This session will integrate data from an animal model of PAE across multiple neurobehavioral domains to provide an overview of the complex and interactive effects of alcohol consumption during pregnancy and early-life adversity. How these exposures can affect long-term health outcomes in the offspring will be discussed.

1. Gain an understanding of how early-life adversity impacts neurobehavioral development and in the context of PAE
2. 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
3. Increasing the awareness of how critical the early postnatal environment is for shaping individual neurodevelopmental trajectories
4. Discuss implications for cross-cutting intervention strategies and potential resiliency factors that may confer a protective advantage

D8

3-HOUR SESSION | CONTINUED

Is Iron Deficiency Impeding Personalized and/or Precision Medicine in Individuals with FASD? Ways out of the Iron Conundrum (PART 2)

D9

90 MINUTE SESSION

Increasing Healthcare Providers' Knowledge in the Prevention of Alcohol-Exposed Pregnancies and Identification and Care of Individuals with FASD: Development and Promotion of a Website and Online Training Courses

Catherine Hutsell, MPH, Health Education Specialist, Centers For Disease Control And Prevention, Atlanta, GA, USA
Kathleen T. Mitchell, MHS, LCADC, Vice President and International Spokesperson, National Organization on Fetal Alcohol Syndrome (NOFAS), Washington, DC, USA
Tonya McFadden, MS, MSA, Senior Project Manager/Provider's Partnership, American College of Obstetricians and Gynecologists, Washington, DC, USA
Alexandra Edwards, MA, Research Professional, University of Alaska Anchorage, Anchorage, AK, USA

Presenters will describe the development and promotion of a multidisciplinary training website and online courses targeting healthcare providers to increase prevention of AEPs and identification and care of individuals with FASDs. A demonstration of the website and courses will be provided along with a discussion of challenges and dissemination efforts.

1. Describe a collaboration among healthcare provider organizations and partners to develop a website and online courses to increase providers' knowledge and practices around the prevention of AEPs and identification and care of individuals with FASDs
2. Discuss facilitators and barriers to promotion and uptake of the website and online courses
3. Describe how to navigate the Collaborative for Alcohol-Free Pregnancy FASD training website and online courses

5:15 pm | ADJOURN

8:00 – 8:30 am | Registration Open

8:30 – 9:50 am | MORNING PLENARY (INCLUDING Q&A)

Country Highlight

Prenatal Alcohol Exposure and Sleep

Sarah M. Inkelis, MS, PhD Candidate, Center for Behavioural Teratology, San Diego State University; Joint Doctoral Program, Clinical Psychology, University of California San Diego, San Diego, CA, USA

Learning Objectives:

1. Explore the evidence base for sleep disturbance in clinical and preclinical models of PAE
2. Identify research methods for studying sleep
3. Consider how sleep disruption might relate to other behavioral effects of PAE

The Golden Tie - Understanding and Supporting Healthy Sleep in FASD

Ana Hanlon Dearman, MD, MSc, FRCPC, FAAP, Medical Director, Manitoba FASD Centre, Winnipeg, MB

Learning Objectives:

1. Characterize the range of sleep difficulties in individuals with FASD by linking research and clinical information to the biology of sleep and FASD
2. Discuss the impact of disordered sleep on individual and family functioning
3. Describe an evidence informed and rational approach to the sleep related concerns with specific recommendations for families and care providers

9:50 – 10:00 am

Presentation of the CanFASD Sterling Clarren Award

Drs. Sterling Clarren and Alan Bocking

10:00 – 10:30 am | BREAK EXHIBITS OPEN, POSTER VIEWING

10:30 am – 12:00 pm | CONCURRENT SESSION E

E1 ORAL PAPER SESSION (INCL. 25% Q&A)

E1a YOUNG INVESTIGATOR

Mental Health and Service use Among Adolescents and Young Adults with FASD

Allison McNeil, PhD Student, Department of Educational Psychology, University of Alberta, Edmonton, AB, Canada

E1b **The Life Situation of Young People with Prenatal Substance Exposure. ADEF Helsinki – Research Project (Alcohol and/ or Drug Exposure During Fetal Life)**

Niina-Maria Nissinen, MPH, MSc, Coordinator, Folkhälsan Research Center, Helsinki, Finland

E1c **A Systematic Review of Mental Health and Addictions Interventions for Individuals with FASD/PAE**

Kelly Harding, PhD, Research Associate, CanFASD Research Network; Adjunct Professor and Sessional Instructor, Psychology Department, Laurentian University; Sessional, Instructor, Communications Studies, Huntington University, Sudbury, ON, Canada

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

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

Jacqueline Pei, Associate Professor, Department of Educational Psychology; Assistant Clinical Professor, Department of Pediatrics, Faculty of Medicine, University of Alberta, Edmonton, AB, Canada

E1d **Description of the Relationship Between Impaired Neurodevelopmental Brain Domains and Comorbid Mental Disorders in Individuals Diagnosed with FASD in Canada**

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

Shawn Nomani, MSc, MD, PGY-4, Department of Psychiatry, University of British Columbia, Vancouver, BC, Canada

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

E1e **Building an FASD System of Care within Michigan's Community Mental Health System**

Katherine Fitzpatrick, MA, FASD Initiative Coordinator, Michigan Department of Health and Human Services, Lansing, MI, USA

E2 ORAL PAPER SESSION (INCL. 25% Q&A)

E2a **Identifying Neuropsychological Tools for FASD Assessment in Poland**

Magdalena Borkowska, PhD Student, Governor Kremers Centre, Maastricht University Medical Centre, Maastricht University, Maastricht, The Netherlands; Chief Specialist, The State Agency for Prevention of Alcohol-Related Problems, Department of Public Education, Analyses and International Cooperation, Warsaw, Poland

E2b **Similarities and Differences in Motor Coordination and Sensory Processing Integration among Children with FASD and Children with Developmental Coordination Disorder**

Liat Hen-Herbst, PhD, OTR, Postdoctoral Student, Division of Occupational Therapy and Division of Physical Therapy, Rehabilitation Medicine, University of Washington, Seattle, WA; Department of Occupational Therapy, Faculty of Social Welfare & Health Sciences, University of Haifa, Mount Carmel, Haifa, Israel

E2c **FASD and Assessment of Ocular Measurements and Features**

Diego Gomez, Student, Neuroscience, College of Arts and Sciences, Creighton University, Omaha, NE, USA

E2d **Prevalence and Patterns of Sensory Processing Behaviors in a Large Clinical Sample of Children with FASD**

Tracy Jirikowic, PhD, OTR/L, FAOTA, Member, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Associate Professor, Division of Occupational Therapy, University of Washington, Seattle, WA, USA

John C. Thorne, PhD, CCC-SLP, Member, WA State Fetal Alcohol Syndrome Diagnostic & Prevention Network; Senior Lecturer, Speech and Hearing Sciences; Discipline Leader, Speech-Language Pathology, The Centre on Human Development and Disability, University of Washington, Seattle, WA, USA

E3 ORAL PAPER SESSION (INCL. 25% Q&A)

E3a **Polysubstance Use and Its Impact on FASD Diagnosis and Outcomes: Data from the UK National Specialist FASD Clinic**

Raja Mukherjee, MBBS, FRCPsych, PGDIP EPP, PhD, Consultant Psychiatrist, Tandridge CTPLD; Lead Clinician, FASD Specialist Clinic and Adult Autism Diagnostic Services, SABP NHS Foundation Trust, London, UK

E3b **Patterns of Prenatal Alcohol Use That Predict Infant Growth and Development**

Gretchen Bandoli, PhD, Assistant Professor, Department of Pediatrics, Family Medicine and Public Health, University of California San Diego, San Diego, CA, USA

E3c **The Impact of Maltreatment on Cognitive and Behavioural Functioning in Children with FASD**

Alan Price, PhD Candidate, School of Health and Society, University of Salford, Manchester, UK

E3d **Nutrition Implications for FASD**

Sunil Bishwokarma, MA, General Secretary, Nepal Disabled and Helpless Empowerment Centre (NDHEC), Kathmandu, Nepal

E4 2 - 45 MINUTE SESSIONS

E4a **Using Technology in Novel Approaches to Prevent Alcohol-Exposed Pregnancies**

Jessica Hanson, PhD, Assistant Scientist, Sanford Research, Sioux Falls, SD, USA

Mary Velasquez, PhD, Centennial Professor in Leadership for Community, Professional, and Corporate Excellence, Steve Hicks School of Social Work, University of Texas at Austin, Austin, TX, USA

Karen Ingersoll, PhD, Professor and Clinical Psychologist, Department of Psychiatry and Neurobehavioral Sciences, University of Virginia, Charlottesville, VA, USA

This presentation will describe how an evidence-based alcohol-exposed pregnancy (AEP) intervention can be modified for different communities using technology, and the benefits and drawbacks of using modified, automated AEP prevention programming.

1. Identify the key components of evidence-based face to face interventions for AEP prevention
2. Describe three examples of how face to face interventions can be transformed for technological delivery or data collection
3. Provide demonstrations of online or technologically-based AEP prevention programs
4. Detail lessons learned and pilot outcomes from studies using technology to prevent alcohol-exposed pregnancies

E4b Co-Creating Evidence: A National Evaluation of Multi-service Programs Reaching Pregnant Women at Risk - Interim Findings and Implications for Policy and Practice

Deborah Rutman, PhD, Principal, Nota Bene Consulting Group, Victoria, BC, Canada

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

Marilyn Van Bibber, Principal, Nota Bene Consulting Group, Victoria, BC

Nancy Poole, PhD, Researcher, Knowledge Broker, Centre of Excellence for Women's Health, Vancouver, BC, Canada

This presentation will share interim findings arising from the Co-Creating Evidence project, a national evaluation involving eight 'wrap-around' programs across Canada serving women at highest risk of having an infant with FASD - i.e., women affected by substance use, trauma, mental health, and other complex social determinants of health issues.

1. Describe the characteristics of the eight diverse programs, including their service models, approaches, and partnerships that make them successful
2. Identify the link between theoretical approaches and outcomes for women and their children, and for service systems
3. Distinguish ways in which these programs' guiding philosophies, such as employing harm reduction, trauma-informed and culturally-informed approaches are realized, and describe the strengths and challenges of employing these approaches when working with pregnant and parenting women with substance use issues and their children
4. Discuss lessons learned in undertaking evaluation of community-based FASD prevention programs for pregnant and parenting women at highest risk

E5 90 MINUTE SESSION

Service Evaluation of the Fetal Alcohol Assessment and Support Team in NHS Ayrshire and Arran, Scotland

Jennifer Shields, DCLinPsy, Principal Clinical Psychologist, Fetal Alcohol Assessment and Support Team, NHS Ayrshire and Arran, Ayrshire, Scotland, UK

The evaluation of Scotland's first Fetal Alcohol Assessment and Support (FAAS) Team piloted service for FASD in Scotland will be presented. The process of children case managed by the FAAS Team versus mainstream 'treatment as usual' services will be explored. Outcomes for children, families and stakeholder views will be presented.

1. Assess FASD service pathway provision in NHS Scotland and the UK
2. Acquire knowledge of the processes, outcomes and stakeholder perspectives of a service innovation novel to the Scottish context
3. Evaluate the appropriateness of broad neurodevelopmental versus specific FASD assessment pathways
4. Reflect on lived experience of FASD service pathways and carers' perceptions about difficulties accessing services

E6 90 MINUTE SESSION

Playing to Our Strengths: Peer Mentoring for Teens and Adults with FASD

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

Myles Himmelreich, Change Maker, Mentor, FASD Consultant, Speaker, Vancouver, BC, Canada

Katrina Griffin, Change Maker, Mentor, Speaker, Vancouver, BC, Canada

Krystal Glowatski, PhD Student, School of Criminology, Simon Fraser University, Vancouver, BC, Canada

This session will discuss the Playing to Our Strengths Toolkit and its application in a peer mentoring program for teens and adults with FASD. Adult mentors with FASD will explain the real life application and adaptation that occurred in a mentoring setting for those with FASD. Evaluation of the Toolkit will be discussed.

1. Describe the Playing to Our Strengths Toolkit
2. Conduct improv games from the Toolkit
3. Apply the logic of the mentors' creativity to the games in the Toolkit
4. Analyze the effectiveness of the Toolkit based on long term evaluations

E7

90 MINUTE SESSION

FASD and Child Welfare Issues Across the Lifespan: Research, Policy and Practice

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

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

This workshop will examine how FASD is understood within the child protection systems and the implications for policy and practice. Participants will also explore the ways in which the relationship between child protection and the FASD community must change including the ways in which parenting assessment and case planning are done.

1. Describe the nature of current clinical and practice perspectives on FASD and child welfare
2. Review the current application of practice and policy and identify areas in need of change
3. Determine how advocacy can be used when working with child welfare
4. Integrate knowledge within larger conversations on how parents with FASD are assessed in child protection

E8

90 MINUTE SESSION

Bringing Together Australian Families' Experiences of FASD

Marcel Zimmet, FRACP MBBS BA(Hons), Staff Specialist Paediatrician, Sydney Children's Hospital Network, Westmead, NSW, Australia

Cheryl Dedman, Parent and Advocate; Chair of the Board, NOFASD Australia, Tatura, VIC, Australia

Natasha Reid, PhD, Postdoctoral Research Fellow, Centre for Children's Health Research, The University of Queensland, Brisbane, QLD, Australia

Natalie Phillips, PhD, Research Officer, Discipline of Paediatrics and Child Health, Sydney Medical School, University of Sydney, Sydney; Australian Paediatric Surveillance Unit, Kids Research Institute, Westmead, NSW, Australia

Heidi Webster, FRACP, MBBS, Developmental Paediatrician, Sunshine Coast Child Development Service and FASD Clinic, Maroochydore, QLD, Australia

Tanzi Collinge, Communications Officer, NOFASD Australia, Canberra, ACT, Australia

The session will provide insights into caring for a child with FASD in Australia and related psychosocial and health-related quality of life impacts. Presented research will describe family experiences in order to elucidate ways in which they are supported before, during and after FASD diagnosis, to better inform service provision.

1. Understand what parents want and need for their family members with FASD
2. Identify ways to better incorporate patient experience in clinical FASD practice
3. Inform planning of FASD related diagnostic and support services
4. Empower individuals, parents and families to continue engaging in research about living with FASD

E9

60 MINUTE SESSION

Impact of PAE on Immune Function Throughout the Life Course

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

This presentation will focus on characterizing how immune function is altered following PAE. Data from both animal and human studies, showing that PAE alters the immune environment during key developmental periods, will be presented. As an extension of these data, and inspired by an informal health survey conducted by individuals with FASD, preliminary data from an ongoing study evaluating health and immune function in adults with FASD will be presented.

1. Describe how the immune system is affected by PAE
2. Discuss how changes in the immune system may impact brain development and health across development
3. Consider whether the immune profile during pregnancy may be useful in predicting child risk vs. resilience following PAE

12:00 - 1:00 pm | LUNCH (PROVIDED)

(EXHIBITS OPEN, POSTER VIEWING)

1:00 – 2:15 pm | CLOSING PLENARY (INCLUDING Q&A)

Global Highlight - Latin America

Erikson F. Furtado, MD, PhD, 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

Criminal Culpability through the Lens of FASD

Karen A. Steele, JD, Attorney at Law, Karen A. Steele, Esquire, Salem, OR, USA

Learning Objectives:

1. Identify generally-held societal assumptions that contribute to findings of criminal culpability
2. Consider why real-life implications of a FASD clash with traditional findings of criminal culpability such that what is generally assumed to be intentional may not be
3. Identify considerations and develop strategies for more accurately forming criminal culpability inquiries

2:15 pm | CLOSING CEREMONIES

Presentation of the Starfish Award

3:00 pm | ADJOURN

"Education is our passport to the future, for tomorrow belongs to the people who prepare for it today."

-Malcolm X

Poster presentations

All poster presenters will be available at their posters for Q&A during the following poster session time: Friday, March 8 from 12:40 – 1:45pm

Policy Makers' Perspectives on Available Policies and Interventions for FASD

Babatope Adebisi, PhD Student, Researcher, School of Public Health, University of the Western Cape, Western Cape, South Africa

A Scoping Review on Global Distribution of the Prevention and Management Interventions for FASD Across the Life Span (2007-2017)"

Babatope Adebisi, PhD Student, Researcher, School of Public Health, University of the Western Cape, Western Cape, South Africa

Changes in Alcohol Consumption in Response to Pregnancy Recorded Using Anonymous Questionnaire Methodology

Neil Aiton, MBBS, MD, MRCP, FRCPCH, Consultant Neonatologist, Honorary Senior Lecturer, One Stop Clinic, Royal Sussex County Hospital, Brighton, UK

The Relationship Between Brain Structure and Mental Health Problems in Children and Adolescents with PAE

Quinn Andre, Student, MSc Candidate, Hotchkiss Brain Institute, University of Calgary; Alberta Children's Hospital Research Institute, University of Calgary, Lethbridge, AB, Canada

Transition to Adulthood in FASD: Journey with a Road Map or GPS

Gail Andrew, MD, FRCP, External Consultant, Alberta Cross Ministry Committee on FASD; Medical Director, Glenrose FASD Clinic, Edmonton, AB, Canada; Clinical Professor Pediatrics, University of Alberta

Disruption of Retinal Vascular Development, a Witness of PAE?

Carole Brasse-Lagnel, PhD, Normandie University, UNIROUEN, INSERM U1245 team 4; Department of Biochemistry, Rouen University Hospital, Rouen, France

The Standardization of Diagnostic Criteria for FASD: Implications for Research, Clinical Practice and Population Health

Jasmine Brown, Director of Communications, Institute of Health Economics; Graduate Student, Department of Psychiatry, University of Alberta, Edmonton, AB, Canada

Genetic Testing in FASD Assessments in Scotland – What Lessons Did We Learn?

Sarah Brown, MBChB, MRCPCH, MMed, Consultant Pediatrician, Fetal Alcohol Assessment and Support Team, NHS Ayrshire & Arran, Ayrshire, Scotland, UK

Risk Assessment in FASD – Why Paediatricians Need Training in Mental Health and Risk

Sarah Brown, MBChB, MRCPCH, MMed, Consultant Pediatrician, Fetal Alcohol Assessment and Support Team, NHS Ayrshire & Arran, Ayrshire, Scotland, UK

Jennifer Shields, PhD, Principal Clinical Psychologist, Fetal Alcohol Assessment and Support Team, NHS Ayrshire and Arran, Ayrshire, Scotland, UK

A Multi-disciplinary FASD Awareness Training Programme for Professionals and Caregivers in Ayrshire and Arran

Rachel Burn, FASD/Maternal Health Officer, Public Health, NHS Ayrshire And Arran, Ayrshire, Scotland

Listening to Families: Perceptions of the Complex Developmental Behaviour Conditions Assessment and Transition to Community Services

Nicky Cairncross, Student, MPH Candidate, Faculty of Health Sciences, Simon Fraser University, Burnaby, BC, Canada

Through the OT Lens: Finding the Missing Perspective on a Multi-Disciplinary School-Based Team

Janet Carioni, MSc, OT Reg(Ont), Occupational Therapist, Catholic District School Board of Eastern Ontario, Kemptville, ON, Canada

CAMP – A FASD Community. An Annual Weeklong Summer Camp Program for Children Ages 9 - 18

Ajeet Charate, MBBS, MA, LCPC, BCN, FASD Specialist, Trinity Services Inc, Naperville, IL, USA
Jessica Rutherford, PhD Student, Loughborough University, Loughborough, Leicestershire, UK

The NB FASD Dream Catcher Service Delivery Model

Annette Cormier, BScInf, Provincial Program Manager, NB FASD Centre of Excellence, Vitalité Health Network, Dieppe, NB

Epidemiology of Fetal Alcohol Syndrome in Reunion Island - Registry of Congenital Malformations of Reunion Island 2003-2015

Bérénice Doray, MD, PhD, Professor, Medical Genetics, University Hospital, University of Reunion Island, Reunion Island, France

"My Doctor Says It's O.K. to Have a Sip of Wine Every Now and Then": Alcohol Use During Pregnancy on How I Met Your Mother (TV Show)

Eric Harding, MA Candidate, Department of History, Laurentian University, Sudbury, ON, Canada

Assessing Brain Function in FASD: Measures Used by Clinicians in Alberta, Canada

Kelly Harding, PhD, Research Associate, CanFASD Research Network; Adjunct Professor and Sessional Instructor, Psychology Department, Laurentian University; Sessional, Instructor, Communications Studies, Huntington University, Sudbury, ON, Canada

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

Brent Symes, PhD, RPsych, Private Practice, Edmonton, AB, Canada

Pathways to Inclusion: Examining Regional Policy Supporting Individuals with FASD

Alexandra Johnson, MA Candidate, Criminology and Criminal Justice Policy, College of Social & Applied Human Sciences, University of Guelph, Guelph, ON, Canada

White Matter Microstructure in Young Children with PAE

Preeti Kar, PhD Student, Medical Science Graduate Program, Cumming School of Medicine, University of Calgary, Calgary, AB

Self-Care in Caregivers of Children with FASD: How Do Caregivers Engage in Self-Care and What Are the Benefits and Obstacles for Doing So?

Carson Kautz, PhD Student, Mt. Hope Family Center, University of Rochester, Rochester, NY, USA

Development of a FASD Screening Tool

Catherine Lipman, MD, Developmental-behavioral Pediatric Fellow, UH-Rainbow Babies and Children's Hospital, Cleveland, OH, USA

Promising Practice in Post-Assessment Support Services

Jill Lundgren, BCYC, Supervisor of FASD Programs, Enviro, Calgary, AB, Canada
Sylvie Horan, BA, Manager of FASD and HiFi Wraparound Services, Enviro, Calgary, AB, Canada
Candace Windisch, BA, Director of Community Programs, Enviro, Calgary, AB, Canada

Poster presentations, *Continued*

All poster presenters will be available at their posters for Q&A during the following poster session time: Friday, March 8 from 12:40 - 1:45pm

Case Management in Pregnancy to Prevent FASD in High Risk Pregnancies: A Trial 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

Julie Hasken, MPH, Project Manager, May Lab, University of North Carolina at Chapel Hill-Nutrition Research Institute, Kannapolis, NC, USA

Dixie Marie Hedrick, Research Assistant, May Lab, University of North Carolina at Chapel Hill-Nutrition Research Institute, Kannapolis, NC, USA

Development and Initial Validation of a New Screening Tool for Young Children with FASD

Stewart McDougall, Bpsych(Hons), PhD Candidate and Researcher, Australian Centre For Child Protection, University of South Australia, Adelaide, SA, Australia

Changing the Conversation, Promoting Dignity: Reflections from the FrameWorks Institute's work on reframing FASD in Manitoba and the 2019 Canada Northwest FASD Partnership National Symposium

Melanie Muehling, MSW, Program & Policy Consultant, FASD Prevention, Healthy Child Manitoba, Winnipeg, MB, Canada

Holly Gammon, MSW, RSW, Manager, FASD Initiatives, Healthy Child Manitoba, Winnipeg, MB, Canada

Carer Stress in FASD: Data from the UK National Specialist FASD Clinic

Raja Mukherjee, MBBS, FRCPsych, PGDIP EPP, PhD, Consultant Psychiatrist, Tandridge CTPLD; Lead Clinician, FASD Specialist Clinic and Adult Autism Diagnostic Services, SABP NHS Foundation Trust, London, UK

Community Priorities for FASD Research in Australia

Narelle Mullan, Program Manager, Telethon Kids Institute, Subiaco, WA, Australia

Empowering Approaches to Reducing the Harms of Alcohol Use in Girls

Nancy Poole, PhD, Director, Centre of Excellence For Women's Health; Prevention Lead, CanFASD Research Network, Vancouver, BC, Canada

FASD in Aboriginal Youth: A Descriptive Study of Presentations to Child & Adolescent Psychiatric Emergency

Sinead Nugent, MSc, Research Coordinator, BC Children's Hospital, Vancouver, BC, Canada

Psychotropic Medication Use in 200 Children with FASD: A Retrospective Chart Review of the Medication Prescribing from the Only FASD Diagnostic Clinic in the Southern Half of Saskatchewan

Susan Petryk, MD, FRCPC, FAAP, Developmental Pediatrician, Saskatchewan Health Authority, Regina, SK, Canada

Gag-Like Proteins as RNA Chaperones for Intercellular Communication: Novel Mediators of Prenatal Alcohol Effects

Marisa Pinson, BS, Graduate Assistant Researcher, Texas A&M University Health Science Center, Bryan, TX, USA

The Best Possible Start: Perspectives from Parents of Children with or at High Risk for FASD

Misty Pruner, OTR/L, PhD Student, Department of Rehabilitation Medicine, University of Washington, Seattle, WA, USA

Understanding the Health Needs of People with FASD and Other Neurodevelopmental Disorders

Myles Himmelreich, Change Maker, Mentor, FASD Consultant, Speaker, Vancouver, BC, Canada

Kyle Sue, MD, Family Physician, The Asante Centre, Surrey, BC

Allison Pooley, Executive Director, The Asante Centre, Surrey, BC

What it Takes to Care for Individuals with FASD: A CanFASD Family Advisory Committee Photovoice Project

Dorothy Reid, MA, Parent/Family Member, Family Advisory Committee, CanFASD Research Network, Abbotsford, BC, Canada

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

The Impact of Placements on Mental Health Outcomes in Children Exposed to Alcohol Prenatally

Chantel Ritter, MSc Student, School and Applied Child Psychology, Werklund School of Education, University of Calgary, Calgary, AB, Canada

Creativity is Key: Repurposing Art Practices to Develop a Learning Programme for Children and Young People with FASD

Jessica Rutherford, PhD Student, Loughborough University, Loughborough, Leicestershire, UK

Peripheral RNA Biomarkers for the Prediction of Neurocognitive Deficits in the Mouse Models of FASD and Gestational Diabetes

Junko Sasaki, MD, PhD, Post Doctoral Fellow, Center for Neuroscience Research, Children's Health System Center, Washington, DC, USA

Toru Sasaki, MD, PhD, Post Doctoral Fellow, Center for Neuroscience Research, Children's Health System Center, Washington, DC, USA

The Emergence of Patient-Oriented Research: An Opportunity for Research on FASD

Uta Sboto-Frankenstejn, PhD, Research Navigator, BC Support Unit, Vancouver Island Centre, Nanaimo, BC, Canada

Parent, Carer and Professionals' Perspectives on FASD Services in Scotland

Jennifer Shields, PhD, Principal Clinical Psychologist, Fetal Alcohol Assessment and Support Team, NHS Ayrshire and Arran, Ayrshire, Scotland, UK

Neuropsychological Profiles of Scottish Children Affected by PAE

Jennifer Shields, PhD, Principal Clinical Psychologist, Fetal Alcohol Assessment and Support Team, NHS Ayrshire and Arran, Ayrshire, Scotland, UK

Communicating Brain Domains - A Positive, Visual (and Quick) Method for Multidisciplinary Team Feedback

Jennifer Shields, PhD, Principal Clinical Psychologist, Fetal Alcohol Assessment and Support Team, NHS Ayrshire and Arran, Ayrshire, Scotland, UK

Professionals' Changing Knowledge, Confidence and Attitudes on FASD within Health and Social Care Partnerships in Ayrshire, Scotland

Jennifer Shields, PhD, Principal Clinical Psychologist, Fetal Alcohol Assessment and Support Team, NHS Ayrshire and Arran, Ayrshire, Scotland, UK

Understanding the Needs of Families Raising Individuals with FASD

Malgosia Tomanik, PhD Student, Governor Kremers Centre, Maastricht University, Medical Centre, The Netherlands; FASD Key Worker, Fraser Valley Child Development Centre, Abbotsford, BC, Canada

Caregiver Experiences of the Diagnostic Assessment Process for FASD

Heidi Webster, FRACP, MBBS, Developmental Paediatrician, Sunshine Coast Child Development Service and FASD Clinic, Maroochydore, QLD, Australia

Indigenous Approaches to FASD Prevention: Enacting the Truth and Reconciliation Commission's Call to Action 33

Lindsay Wolfson, MPH, Research Coordinator, Centre of Excellence for Women's Health, Vancouver, BC, Canada

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

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

Maria Xavier, PhD, Centre for Studies in Human Development, Faculdade de Educação e Psicologia, Universidade Católica Portuguesa, Porto, Portugal

"Optimism is a strategy for making a better future. Because unless you believe that the future can be better, you are unlikely to step up and take responsibility for making it so."

-Noam Chomsky

*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 (CIFASD) OR**
- Plenary 2: **Global Action on FASD Prevention Research, Policy and Practice**

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 7, 2019

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

Session A:	_____	_____
Session B:	_____	_____

FRIDAY, MARCH 8, 2019

Please choose your first and second choice from the 90-minute sessions (C&D) **OR** 3-hour session C8&D8

Session C:	_____	_____
Session D:	_____	_____
3-hour session C8&D8 :	_____	

SATURDAY, MARCH 9, 2019

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

Session E:	_____	_____
------------	-------	-------

SPECIAL EVENT ATTENDANCE

I will attend the **Parent Lunch*** on Thursday March 7 at 12:30pm Yes No
*See page 8 for details

I will attend the **Meet the Expert luncheon for Trainees** on Thursday March 7 at 12:30pm Yes No

AFFILIATION/PROFESSION

Please indicate which Affiliation/Profession best describes you:

- | | |
|---|---|
| <input type="checkbox"/> Researcher | <input type="checkbox"/> Women's Service Provider |
| <input type="checkbox"/> Scientist | <input type="checkbox"/> Educator |
| <input type="checkbox"/> Student | <input type="checkbox"/> Elected Official |
| <input type="checkbox"/> Clinician | <input type="checkbox"/> Policy-maker |
| <input type="checkbox"/> Health/Mental Health Clinician | <input type="checkbox"/> Administrators/Managers |
| <input type="checkbox"/> Physician | <input type="checkbox"/> Community Member |
| <input type="checkbox"/> Addictions Specialist | <input type="checkbox"/> Family Member |
| <input type="checkbox"/> Primary Prevention Worker | <input type="checkbox"/> Social Worker |
| <input type="checkbox"/> Child Welfare Professional | |
| <input type="checkbox"/> Other: _____ | |

TUITION FEES

Pre-registration prior to February 1, 2019 is strongly recommended to ensure you receive all conference materials. The full conference registration fee includes conference material, all lunches, refreshment breaks, and a certificate of attendance.

EARLY BIRD RATE, BEFORE/ON FEBRUARY 1, 2019

- Full Conference (March 6-9)** \$695
- Pre-Conference (March 6) \$200
- Main Conference (March 7-9) \$540

RATE AFTER FEBRUARY 1, 2019

- Full Conference (March 6-9)** \$785
- Pre-Conference (March 6) \$225
- Main Conference (March 7-9) \$615

Individual Day Rates

- Thursday, March 7, 2019 \$242
- Friday, March 8, 2019 \$242
- Saturday, March 9, 2019 \$210

Parent Rate (Before Feb 8, 2019) \$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 8, 2019) \$325

*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

Please Indicate Below How You Would Like to Pay

- Credit Card:** Please e-mail me a secure on-line link to enter credit card number
- Cheque:** Payment is enclosed with mailed registration form
- PO/LOA/ChReq:** Purchase order/letter of authorization/cheque requisition form is enclosed with faxed/mailed registration form

For more detailed information on registration payment methods, please refer to the "Registration Information" on pages 2 & 3.