

## **CONFERENCE PROGRAM- ORAL COMUNICATIONS**

**Monday, September 23**

**09.30 – 11.00**

**Plenary Session I – Epidemiology of Prenatal Alcohol Exposure and FASD**

**Auditorium**

**Chair: Lidia Segura, Spain**

### **20. PREVALENCE OF PSYCHOACTIVE SUBSTANCES USE DURING PREGNANCY IN ARGENTINE WOMEN: A PILOT STUDY TESTING MATERNAL HAIR.**

Melina Vieiros Rodríguez<sup>1</sup>, Elisabet Navarro Tapia<sup>1</sup>, Anna Ramos Triguero<sup>2</sup>, Leopoldo Martínez Martínez<sup>3</sup>, Oscar García Algar<sup>4</sup>, Vicente Andreu Fernández<sup>2</sup>.

<sup>1</sup>IDIPAZ, Madrid, Spain; <sup>2</sup>IDIBAPS, Barcelona, Spain; <sup>3</sup>Hospital Universitario La Paz, Madrid, Spain; <sup>4</sup>Hospital Clínic de Barcelona, Barcelona, Spain.

### **153. DOES THE AUDIT ASSIST OR MISLEAD US IN SCREENING ALCOHOL USE BY PREGNANT WOMEN?**

Leana Olivier, Jaco Louw, Mandi Broodryk.

FARR (Foundation for Alcohol Related Research), Cape Town, South Africa.

### **81. THE PREVALENCE AND CHANGES OF ALCOHOL CONSUMPTION ACROSS THREE TRIMESTERS OF PREGNANCY ASSESSED BY ETHYL GLUCURONIDE CONCENTRATION IN MATERNAL HAIR AND SELF-REPORTS IN POLAND**

Katarzyna Okulicz-Kozaryn<sup>1</sup>, Simona Pichini<sup>2</sup>, Emilia Marchei<sup>2</sup>.

<sup>1</sup>Institute of Mother and Child, Warsaw, Poland; <sup>2</sup>National Centre on Addiction and Doping, Istituto Superiore di Sanità, Rome, Italy.

### **118. ADDRESSING THE HIDDEN EPIDEMIC: WHY FETAL ALCOHOL SPECTRUM DISORDER (FASD) AWARENESS RAISING AMONG PROFESSIONAL'S IS A CRITICAL FIRST STEP TO ANY PREVENTION AND SUPPORT INTERVENTION.**

Vivian Lyall<sup>1</sup>, Natasha Reid<sup>1</sup>, Lindsay Wolfson<sup>2</sup>, Deborah Askew<sup>1</sup>.

<sup>1</sup>University of Queensland, Brisbane, Australia; <sup>2</sup>Centre of Excellence for Women's Health, Vancouver, Canada.

### **152. MATERNAL CHARACTERISTICS OF BIOLOGICAL MOTHERS OF CHILDREN DIAGNOSED WITH FASD IN SOUTH AFRICA.**

Leana Olivier, Jaco Gidoen Lous, Mandi Broodryk.

FARR (Foundation for Alcohol Related Research), Cape Town, South Africa.

**65. PREVENTION AND DETECTION OF FETAL ALCOHOL SPECTRUM DISORDERS IN GENERAL MEDICINE: ACTION RESEARCH**

Sébastien Leruste, Thierry Maillard<sup>2</sup>.

<sup>1</sup>; <sup>2</sup>SAF Océan Indien, Saint - Louis, France.

**Monday, September 23**

**11.30 – 13.15**

**Plenary Session II – Public health issues**

**Auditorium**

**Chair: Inés Zuza, Spain and Joan Colom, Spain**

**128. FUNDAMENTALS OF FETAL ALCOHOL SPECTRUM DISORDER FOR HEALTH AND SOCIAL CARE PROFESSIONALS: AWARENESS RAISING WEBINAR EVALUATION.**

Stewart McDougall, Ruth Brown, Sarah Brown, Jennifer Shields, Suzanne O'Rourke.

Fetal Alcohol Advisory Support and Training Team, School of Health in Social Science, University of Edinburgh, Edinburgh, United Kingdom.

**150. CO-CREATING EVIDENCE: A DIGITAL HANDBOOK TO SUPPORT WRAPAROUND FASD PREVENTION PROGRAM DELIVERY IN CANADA.**

Nancy Poole<sup>1</sup>, Deborah Rutman, Carol Hubberstey, Marilyn Vanbibber.

<sup>1</sup>Centre of Excellence for Women's Health, Victoria, Canada; <sup>2</sup>.

**36. TIDLIG INN- A NORWEGIAN EDUCATIONAL TRAINING PROGRAM TARGETING HEALTHCARE PROFESSIONALS WORKING WITHIN MUNICIPAL AND PUBLIC SERVICES TOWARDS PREGNANT WOMEN AND FAMILIES OF INFANTS.**

Nina Marta Stangeland<sup>1</sup>, Anne Kristine Berthelsen<sup>2</sup>, Anna Elise Maagaard<sup>3</sup>, Merete Haugen<sup>4</sup>.

<sup>1</sup>KORUS Bergen, Dep. for Addiction Medicine, Health Bergen, 15, Norway; <sup>2</sup>KORUS Nord, 20, Norway; <sup>3</sup>KORUS Øst, 23, Norway; <sup>4</sup>KORUS Sør, 18, Norway.

**154. A CHILD IN THE CENTRE, A FAMILY IN THE CENTRE. INTERDISCIPLINARY HELP FOR CHILDREN WITH FASD ON THE EXAMPLE OF THE KUJAWSKO-POMORSKIE VOIVODSHIP, POLAND.**

Ewa Grobelska, Justyna Malanowska Mamrot, Anna Wiśniewska, Małgorzata Bylina Gałązka, Małgorzata Hoffman Orłowska, Janusz Wiśniewski.

DAJ SZANSE FUNDACJA NA RZECZ ROZWOJU DZIECI NIEPEŁNOSPRAWNYCH, Toruń, Poland.

**80. FASD HELPLINE LINKS AUSTRALIA – A NATIONAL MODEL FOR SIMPLE, EFFECTIVE AND LIFE CHANGING SERVICES.**

Louise Gray, Robyn Smith.

NOFASD AUSTRALIA, Perth, Australia.

**93. PREVENTING FASD IN CATALONIA AS PART OF THE “ALCOHOL AND DRUG FREE PREGNANCY” PROGRAM. FROM RAISING AWARENESS TO EARLY INTERVENTION IN EXPOSED CHILDREN.**

Carla Bruguera, Lidia Segura, Ana Ibar, Joan Colom.

Sub-directorate General of Addictions, HIV, STI and Viral Hepatitis, Public Health Agency of Catalonia (GENCAT), Barcelona, Spain.

**Monday, September 23**

**14.00 – 15.30**

**Plenary Session III – Points about FASD diagnosis**

**Auditorium**

**Chair: Mirjam N Landgraf, Germany**

**22. EVIDENCE-BASED GERMAN GUIDELINE ON DIAGNOSIS OF FETAL ALCOHOL SPECTRUM DISORDERS (FASD) IN CHILDREN AND ADOLESCENTS.**

Sonja Strieker, Christine Schmucker, Annika Ziegler, Florian Heinen, Mirjam Landgraf<sup>2</sup>.

<sup>1</sup>; <sup>2</sup>Department of Pediatric Neurology, LMU Centre for Development and Children with Medical Complexity – iSPZ Hauner, German FASD Competence Centre Bavaria, Dr. von Hauner Children's Hospital, LMU University Hospital Munich, Munich, Germany.

**70. FIRST NORWEGIAN GUIDELINE FOR DIAGNOSING FETAL ALCOHOL SYNDROME (FAS) AND ASSESSING FETAL ALCOHOL SPECTRUM DISORDERS (FASD).**

Gro Cc Løhaugen, Thorsten Gerstner, Anne Cecilie Tveiten, Jon Skranes.

Sørlandet Hospital, Arendal, Norway.

**40. BEYOND "THE RAW POINT OF DIAGNOSIS": EXPLORING VALUE AND IMPACT OF THE FASD DIAGNOSIS WITH HEALTH PROFESSIONALS AND ADOLESCENTS WITH FASD.**

Miranda Eodanable<sup>1</sup>, Sinead Rhodes<sup>2</sup>, Katie Cebula<sup>1</sup>.

<sup>1</sup>University of Edinburgh, Moray House School of Education and Sport, United Kingdom; <sup>2</sup>University of Edinburgh, Centre for Clinical Brain Sciences, United Kingdom.

**114. PRENATAL ALCOHOL EXPOSURE AND ASSOCIATIONS WITH PHYSICAL SIZE, DYSMORPHOLOGY AND NEURODEVELOPMENT: A SYSTEMATIC REVIEW AND META-ANALYSIS TO INFORM THE DEVELOPMENT OF EVIDENCE-BASED DIAGNOSTIC CRITERIA.**

Natasha Reid<sup>1</sup>, Lisa Akison<sup>2</sup>, Nicole Hayes<sup>3</sup>, Chelsea Vanderpeet<sup>1</sup>, Jayden Logan<sup>1</sup>, Zachary Munn<sup>4</sup>, Philippa Middleton<sup>5</sup>, Karen Moritz<sup>2</sup>.

<sup>1</sup>Child Health Research Centre, The University of Queensland, South Brisbane, QLD, Australia, Brisbane, Australia; <sup>2</sup>School of Biomedical Sciences, The University of Queensland, St Lucia, QLD, Australia; <sup>3</sup>School of Early Childhood and Inclusive Education, Queensland University of Technology, Brisbane, QLD, Australia, Brisbane, Australia; <sup>4</sup>Health Evidence Synthesis, Recommendations, and Impact (HESRI), School of Public Health, The University of Adelaide, Adelaide, SA, Australia; <sup>5</sup>South Australian Health and Medical Research Institute (SAHMRI), The University of Adelaide, Adelaide, SA, Australia.

#### **49. RECOGNITION OF FASD IN CHILDREN AND ADOLESCENTS BY HEALTHCARE PROFESSIONALS: THE DEVELOPMENT OF A TOOL.**

Froukje Wielenga, Berno Van Meijel, Esther Krijnen De Bruin.

Inholland University of Applied Sciences, Amsterdam, Netherlands.

#### **161. DIFFERENCES IN CO-OCCURRING CONDITIONS ACROSS A TIERED EVALUATION MODEL.**

Lynn Cole<sup>1</sup>, Julianne Myers<sup>2</sup>, Madeline Rockhold<sup>2</sup>, Elizabeth Merz<sup>2</sup>, Alesia Richardson<sup>2</sup>, Christie Petrenko<sup>2</sup>.

<sup>1</sup>University of Rochester Medical Center, Developmental and Behavioral Pediatrics, Rochester, United States; <sup>2</sup>University of Rochester, Mt. Hope Family Center, Rochester, United States.

### **Monday, September 23**

**16.00 – 17.30**

**Parallel Sessions I.A. Therapeutic interventions**

**Auditorium**

**Chair: Marta Astals, Spain**

#### **24. FIRST BRAIN-TARGETED THERAPEUTIC APPROACH: REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IN CHILDREN WITH FETAL ALCOHOL SPECTRUM DISORDERS.**

Jasmin Hubert, Vivien Schmidt, Esther Wittmann, Mirjam Natascha Landgraf.

Dr. von Hauner Children's Hospital, LMU University Hospital Munich, Pediatric Neurology, Germany.

#### **16. EPIGALLOCATECHIN GALLATE IMPROVES COGNITIVE PERFORMANCE IN CHILDREN WITH FOETAL ALCOHOL SPECTRUM DISORDERS.**

Vicente Andreu Fernández<sup>1</sup>, Anna Ramos Triguero<sup>1</sup>, Melina Vieiros Rodríguez<sup>2</sup>, Elisabet Navarro Tapia<sup>2</sup>, Marta Astals Vizcaino<sup>1</sup>, Leopoldo Martínez Martínez<sup>3</sup>, Oscar García Algar<sup>4</sup>.

<sup>1</sup>FRCB-IDIBAPS, Barcelona, Spain; <sup>2</sup>IDIPAZ, Madrid, Spain; <sup>3</sup>Hospital Universitario La Paz, Madrid, Spain; <sup>4</sup>Hospital Clínic de Barcelona, Barcelona, Spain.

**55. "EXPLAINED BY BRAIN": A COMPREHENSIVE FASD INTERVENTION FRAMEWORK FOR PARENTS AND CARERS (AND EVERYONE ELSE).**

Vanessa Spiller.

FASD Training Australia; JumpStart Psychology, Brisbane, Australia.

**2. EFFECTIVENESS OF AN OSTEOPATHIC INTERVENTION FOR INTERNATIONALLY ADOPTED CHILDREN WITH FETAL ALCOHOL SPECTRUM DISORDER (FASD).**

Ramon Cases Solé<sup>1</sup>, David Varillas Delgado<sup>2</sup>, Marta Astals Vizcaino<sup>3</sup>, Victoria Aldecoa Bilbao<sup>3</sup>, Óscar García Algar<sup>3</sup>.

<sup>1</sup>Centre Osteopatia la Seu, La Seu d'Urgell, Spain; <sup>2</sup>Universidad Francisco de Vitoria, Pozuelo de Alarcón, Spain; <sup>3</sup>Hospital Clínic de Barcelona, Barcelona, Spain.

**Monday, September 23**

**16.00 – 17.30**

**Parallel Session I.B. – Diverse issues and FASD – I**

**Room Internacional (41)**

**Chair: Vicente Andreu, Spain**

**107. IDENTIFYING SEX-SPECIFIC FACIAL DYSMORPHISM IN INFANTS WITH PRENATAL ALCOHOL AND TOBACCO COEXPOSURE.**

Hanie Moghaddasi, Michael Suttie.

Nuffield Department of Women's & Reproductive Health, University of Oxford, UK, Oxford, United Kingdom.

**34. DOES PRENATAL ALCOHOL AND DRUG EXPOSURE EFFECT EARLY INFANT MOVEMENT QUALITY?**

Julia E. Lenz<sup>1</sup>, Katharina Lippert<sup>1</sup>, Tabitha Gottlieb<sup>1</sup>, Anna Hugo<sup>1</sup>, Kathrin Neumayr<sup>1</sup>, Marina Reith<sup>1</sup>, A. Sebastian Schroeder<sup>2</sup>, Mirjam N. Landgraf<sup>1</sup>.

<sup>1</sup>Department of Pediatric Neurology, LMU Centre for Development and Children with Medical Complexity – iSPZ Hauner, German FASD Competence Centre Bavaria, Dr. von Hauner Children's Hospital, LMU University Hospital Munich, Germany, Germany; <sup>2</sup>Center for Child Neurology and Social Paediatrics, Kinderzentrum Maulbronn, Germany.

**104. DIFFERENTIAL FETAL ALCOHOL-RELATED UNDERSIZING AMONG HEMISPHERIC AND SUBCORTICAL BRAIN REGIONS REVEALED BY MRI-BASED NORMATIVE SCALING ANALYSIS**

Jérémy Sadoine<sup>1</sup>, Eliot Kerdreux<sup>2</sup>, Pauline Garzon<sup>2</sup>, Justine Fraize<sup>1</sup>, Alexandra Ntorkou<sup>3</sup>, Richard Delorme<sup>4</sup>, Monique Elmaleh-Berges<sup>3</sup>, Yann Leprince<sup>2</sup>, David Germanaud<sup>5</sup>.

<sup>1</sup>inDEV, NeuroDiderot U1141, Inserm, Université Paris Cité, Paris, France; <sup>2</sup>UNIACT, NeuroSpin, Institut Frédéric Joliot, CEA Paris-Saclay, Gif-sur-Yvette, France; <sup>3</sup>Service

d'imagerie pédiatrique, Centre d'excellence InovAND, Hôpital Robert-Debré, AP-HP, Paris, France; <sup>4</sup>Service de Psychiatrie de l'enfant et de l'adolescent, Centre d'excellence InovAND, Hôpital Robert-Debré, AP-HP, Paris, France; <sup>5</sup>CRMRI DI/TND DéfiScience, Service de génétique clinique, Centre d'excellence InovAND, Hôpital Robert-Debré, AP-HP, Paris, France.

**157. ON BOTH SIDES: THE BENEFITS OF COMBINING PROFESSIONAL AND PERSONAL ROLES AS AN FASD CAREGIVER, RESEARCHER, FACILITATOR, AND PUBLIC INVOLVEMENT LEAD ON THE SPECIFIC PROGRAMME.**

Anna Webster.

The University of Salford, Manchester, United Kingdom.

**26. FIRST EVIDENCE-BASED TELEMEDICAL PARENT-CHILD GROUP TRAINING FOR CHILDREN WITH FETAL ALCOHOL SPECTRUM DISORDERS (FASD) IN EUROPE.**

Jana T Arnold, Julia A Schlueter, Mirjam Landgraf.

Department of Pediatric Neurology, LMU Center for Development and Children with Medical Complexity – iSPZ Hauner, German FASD Competence Center Bavaria, Dr. von Hauner Children's Hospital, LMU University Hospital Munich, Munich, Bavaria, Germany.

**74. EXECUTIVE FUNCTION DEFICITS IN FETAL ALCOHOL SPECTRUM DISORDER (FASD) AS KEY COMPONENT IN INTERVENTIONS FOR CHILDREN AND ADOLESCENTS WITH FASD: A PRACTICAL EXAMPLE.**

Anne Cecilie Tveiten<sup>1</sup>, Gro Cc Løhaugen<sup>2</sup>, Jon Skranes<sup>3</sup>, Thorsten Gerstner<sup>3</sup>, Randi Eikeland<sup>1</sup>.

<sup>1</sup>Department of Paediatrics, Sørlandet Hospital HF, Arendal, Norway. Department of Health and Nursing Science, University of Agder, Norway., Arendal, Norway;

<sup>2</sup>Department of Paediatrics, Sørlandet Hospital HF, Arendal, Norway., Arendal, Norway;

<sup>3</sup>Department of Paediatrics, Sørlandet Hospital HF, Arendal, Norway.

Department of Clinical and Molecular Medicine, Norwegian University of Science and Technology, Trondheim, Norway., Arendal, Norway.

**Monday, September 23**

**17.30 – 18.30**

**What is happening in my country? I**

**Auditorium**

**Chair: Thierry Maillard, France**

**169. WHAT'S HAPPENING IN SPAIN.**

Oscar García Algar.

Hospital Clínic de Barcelona, Barcelona, Spain.

**144. FASD 2024: WHAT IS HAPPENING IN FRANCE?**

Catherine Metelski -<sup>1</sup>, Antoine Bourely -<sup>2</sup>.

<sup>1</sup>"Vivre Avec le SAF" association, LA TOUR D'AIGUES, France; <sup>2</sup>Vivre avec le SAF, La Tour-d'Aigues, France.

#### **170. WHAT'S HAPPENING IN ITALY**

Simona Pichini.

Istituto Superiore di Sanità, Rome, Italy.

#### **171. WHAT'S HAPPENING IN THE NETHERLANDS.**

Martha Krijgsheld.

Dutch FASD Stichting, Uithuizen, Netherlands.

#### **176. ACTIVITIES AND CHALLENGES IN THE FIELD OF FASD IN POLAND**

Magdalena Borkowska.

State Agency for Prevention of Alcohol-Related Problems, Warsaw, Poland.

#### **175. WHAT HAPPENED IN MY COUNTRY? – GERMANY**

Gisela Michalowski, Katrin Lepke.

FASD Deutschland e.V., Lingen, Germany.

### **Tuesday, September 24**

**09.00 – 09.45**

**What is happening in my country? II**

**Auditorium**

**Chair: Thierry Maillard, France**

#### **35. IN MEMORY OF PIONEERING FASD RESEARCHERS**

Thierry Maillard.

SAF Ocean Indien, Presidente, Reunion.

#### **172. WHAT'S HAPPENING IN UNITED KINGDOM.**

Raja Mukherjee.

Surrey and Borders Partnership NHS Trust, Redhill, United Kingdom.

#### **90. WHAT'S HAPPENING IN MY COUNTRY: NEWS FROM THE CANADIANS!**

Jocelynn Cook<sup>1</sup>, Nancy Poole<sup>2</sup>, Jacqueline Pei<sup>3</sup>, Audrey Mcfarlane<sup>4</sup>.

<sup>1</sup>Society of Obstetricians and Gynaecologists of Canada, Ottawa, Canada; <sup>2</sup>Canada FASD Research Network, Victoria, Canada; <sup>3</sup>University of Alberta, Edmonton, Canada; <sup>4</sup>Canada FASD Research Network, Cold Lake, Canada.

**158. WHAT IS HAPPENING IN SCANDINAVIA? A PANEL DISCUSSION WITH FASD ASSOCIATIONS FROM NORWAY, DENMARK AND SWEDEN ON SIMILARITIES AND DIFFERENCES IN NON-PROFIT INTEREST ASSOCIATIONS.**

Silje Lunderød<sup>1</sup>, Katarina Wittgard<sup>2</sup>, Michela Wedel<sup>3</sup>.

<sup>1</sup>FASDNorge, Lillesand, Norway; <sup>2</sup>FAS-föreningen, Sweden; <sup>3</sup>Fremtidens børn, Denmark.

**Tuesday, September 24**

**09.45 – 11.00**

**Plenary Session IV – Mental health issues: Interventions for FASD**

**Auditorium**

**Chair: Marta Astals, Spain**

**23. FIRST EVIDENCE-BASED GUIDELINE FOR INTERVENTIONS IN CHILDREN AND ADOLESCENTS WITH FETAL ALCOHOL SPECTRUM DISORDERS (FASD).**

Sonja Strieker<sup>1</sup>, Florian Heinen<sup>1</sup>, Mirjam Landgraf<sup>2</sup>.

<sup>1</sup>Department of Pediatric Neurology, LMU Centre for Development and Children with Medical Complexity – iSPZ Hauner, German FASD Competence Centre Bavaria, Dr. von Hauner Children's Hospital, LMU University Hospital Munich, Germany; <sup>2</sup>Department of Pediatric Neurology, LMU Centre for Development and Children with Medical Complexity – iSPZ Hauner, German FASD Competence Centre Bavaria, Dr. von Hauner Children's Hospital, LMU University Hospital Munich, Munich, Germany.

**113. MENTAL HEALTH PROVIDERS CAN DIAGNOSE FASD, WITH SOME SUPPORT: A PRAGMATIC APPROACH TO THE EVALUATION OF NEUROBEHAVIORAL DISORDER ASSOCIATED WITH PRENATAL ALCOHOL EXPOSURE (ND-PAE)**

Michelle Kuhn<sup>1</sup>, Julianne Myers<sup>2</sup>, Nora Byington<sup>3</sup>, Heather Carmichael Olson<sup>1</sup>.

<sup>1</sup>University of Washington, Seattle, United States; <sup>2</sup>University of Rochester, Rochester, United States; <sup>3</sup>University of Minnesota, Minnesota, United States.

**52. FEEDING, EATING AND DRINKING PROBLEMS IN PEOPLE WITH FASD.**

Manon Spruit.

Centre of expertise in FASD and Speech and Language, Lingen (Ems), Germany.

**78. COGNITIVE IMPACT OF UNIQUE TRAUMA SUBGROUPS IN CHILDREN WITH FETAL ALCOHOL SPECTRUM DISORDER.**



Madeline Rockhold<sup>1</sup>, Elizabeth Merz<sup>1</sup>, Alesia Richardson<sup>1</sup>, Emily Speybroeck<sup>1</sup>, Julianne Myers<sup>1</sup>, Carson Kautz-Turnbull<sup>1</sup>, Lynn Cole<sup>2</sup>, Christie Petrenko<sup>1</sup>.

<sup>1</sup>Mt. Hope Family Center, University of Rochester, Rochester, United States;

<sup>2</sup>Developmental and Behavioral Pediatrics, University of Rochester Medical Center, Rochester, United States.

**83. WHAT IS THE EVIDENCE FOR A SPECIFIC PROFILE OF COGNITIVE STRENGTHS AND DIFFICULTIES AMONGST PEOPLE WITH FASD, ANALYSIS OF OVER 10 YEARS OF UK DATA.**

Alexandra Livesey<sup>1</sup>, Amy Stringer<sup>1</sup>, Leanne Chrisostomou<sup>1</sup>, Emily Farran<sup>2</sup>, Joanna Moss<sup>2</sup>, Raja Mukherjee<sup>1</sup>, Alexandra Carlisle<sup>1</sup>.

<sup>1</sup>Surrey and Borders Partnership NHS Trust, Redhill, United Kingdom; <sup>2</sup>Surrey University, Guildford, United Kingdom.

**Tuesday, September 24**

**11.30 – 13.15**

**Plenary Session V –FASD in midlife: Prenatal Alcohol Exposure in Adulthood Auditorium**

**Chair: Miguel del Campo and Claire D. Coles, USA**

**177. PERSISTENCE OF FACIAL FEATURES IN ALCOHOL-EXPOSED ADULTS: EVIDENCE FROM THREE COHORTS.**

Susan Stoner<sup>1</sup>, Margaret Adams<sup>2</sup>, Miguel Delcampo<sup>2</sup>.

<sup>1</sup>University of Washington, Seattle, United States; <sup>2</sup>University of California at San Diego, San Diego, United States.

**178. PRENATAL ALCOHOL EXPOSURE AND PHYSICAL AND MENTAL HEALTH AT MIDLIFE. A SURVEY OF ADULTS IN TWO LONGITUDINAL COHORTS.**

Claire D. Coles<sup>1</sup>, Susan Stoner<sup>2</sup>.

<sup>1</sup>Emory University School of Medicine, Atlanta, United States; <sup>2</sup>University of Washington, Seattle, United States.

**179. IMPACT OF PRENATAL ALCOHOL EXPOSURE ON IMMUNE FUNCTION IN THREE CITIES WITH DIVERSE POPULATIONS.**

Tamara Bodnar<sup>1</sup>, Charlis Raineke<sup>2</sup>, Joanne Weinberg<sup>3</sup>.

<sup>1</sup>University of Calgary, Alberta, Canada; <sup>2</sup>University Ontario, Ontario, Canada;

<sup>3</sup>University of British Columbia, Vancouver, Canada.

**180. MY HEALTH COACH: A COMMUNITY-ENGAGED PARTNERSHIP TO DEVELOP A SCALABLE MOBILE HEALTH TOOL FOR ADULTS TO AID WITH FETAL ALCOHOL SPECTRUM DISORDER SELF-MANAGEMENT.**

Christie Petrenko, Emily Speybroeck, Cody Romanos, Cristiano Tapparello, Katrina Griffin, Emily Hargrove, Myles Himmelreich, Anique Lutke, Cj Lutke, Maggie May.

Mt. Hope Family Center, University of Rochester, Rochester, United States.

**Tuesday, September 24**

**14.00 – 15.30**

**Parallel Session II.A. – Research and Innovation in FASD**

**Auditorium**

**Chair: Vicente Andreu, Spain**

**124. CONSIDERING DEEP GREY MATTER UNDERSIZING GRADIENT IMPROVES MRI-BASED DIAGNOSTIC CLASSIFIERS IN FETAL ALCOHOL SPECTRUM DISORDERS.**

Eliot Kerdreux<sup>1</sup>, Justine Fraize<sup>2</sup>, Alexandra Ntorkou<sup>3</sup>, Pauline Garzón<sup>2</sup>, Richard Delorme<sup>4</sup>, Monique Elmaleh-Berges<sup>5</sup>, Lucie Hertz-Pannier<sup>2</sup>, Yann Leprince<sup>2</sup>, David Germanaud<sup>6</sup>.

<sup>1</sup>Université Paris Cité, Inserm, U1141 NeuroDiderot, inDEV, Paris, France; <sup>2</sup>CEA Paris-Saclay, Joliot Institute, NeuroSpin, UNIACT, Gif-sur-Yvette, France; <sup>3</sup>Department of Pediatric Radiology, Centre of Excellence InovAND, AP-HP, Robert-Debré Hospital, Paris, France; <sup>4</sup>Department of Child and Adolescent Psychiatry, Centre of Excellence InovAND, AP-HP, Robert-Debré Hospital, Paris, France; <sup>5</sup>Department of Pediatric Radiology, Centre of Excellence InovAND, AP-HP, Robert-Debré Hospital, Paris, France; <sup>6</sup>Department of Genetics, Centre of Excellence InovAND, AP-HP, Robert-Debré Hospital, Paris, France.

**42. MACHINE LEARNING ALGORITHMS TO THE EARLY DIAGNOSIS OF FETAL ALCOHOL SPECTRUM DISORDERS.**

Anna Ramos-Triguero<sup>1</sup>, Melina Vieiros Rodríguez<sup>2</sup>, Elisabet Navarro-Tapia<sup>2</sup>, Afrouz Mirahi, Marta Astals Vizcaino<sup>1</sup>, Oscar García-Algar<sup>4</sup>, Vicente Andreu-Fernández<sup>5</sup>.

<sup>1</sup>FRCB-IDIBAPS, Barcelona, Spain; <sup>2</sup>IDIPAZ, Barcelona, Spain; <sup>3</sup>Barcelona, Spain; <sup>4</sup>Hospital Clínic de Barcelona, Barcelona, Spain; <sup>5</sup>Universidad Internacional de Valencia (VIU), Barcelona, Spain.

**48. NON-VIOLENT RESISTANCE THERAPY: AN INNOVATIVE INTERVENTION FOR FAMILIES EXPERIENCING AGGRESSION TOWARDS FAMILY AND CAREGIVERS IN CHILDHOOD AND ADOLESCENCE.**

Samantha Noyek<sup>1</sup>, Maude Champagne<sup>2</sup>, James Reynolds<sup>2</sup>.

<sup>1</sup>University of Manitoba, Winnipeg, Canada; <sup>2</sup>Queen's University, Kingston, Canada.

**159. EXPLORING THE INFLUENCE OF GUT MICROBIOTA COMPOSITION ON PRENATAL ALCOHOL-INDUCED ANXIETY-LIKE BEHAVIORS.**

Charlis Raineki<sup>1</sup>, Kingston E. Wong<sup>1</sup>, Carolina Luft<sup>1</sup>, Victoria R. Vella<sup>1</sup>, Garrett R. J. Ainsworth-Cruikshank<sup>2</sup>, Kanishka K. Wijesundara<sup>1</sup>, Parker J. Holman<sup>1</sup>, Tamara S. Bodnar<sup>2</sup>.

<sup>1</sup>Brock University, St. Catharines, Canada; <sup>2</sup>University of Calgary, Calgary, Canada.

## **76. THE BRAIN, BODY AND BEHAVIOR CONNECTION.**

Danna Ormstrup<sup>1</sup>, Jacqui Patterson<sup>2</sup>.

<sup>1</sup>Foothills Fetal Alcohol Society, High River, Canada; <sup>2</sup>Danza Consulting Services, Powell River, Canada.

## **64. QUANTITATIVE EEG IN CHILDREN WITH FETAL ALCOHOL SPECTRUM DISORDER AND ITS POSSIBLE IMPACT ON COGNITION.**

Thorsten Gerstner<sup>1</sup>, Gro Løhaugen<sup>1</sup>, Oliver Henning<sup>2</sup>, Jon Skranes<sup>1</sup>.

<sup>1</sup>Regional Competence for children with prenatal alcohol/drug exposure, Arendal, Norway; <sup>2</sup>National Centre for Epilepsy, Oslo University Hospital, Oslo, Norway.

### **Tuesday, September 24**

**14.00 – 15.30**

**Parallel Session II.B. – Biomarkers of prenatal alcohol exposure and of damage**

**Room 3094 (24)**

**Chair: Marco Fiore, Italy**

## **164. AMINOPEPTIDASES AS BIOMARKERS? DEVELOPMENT OF A POTENTIAL DIAGNOSTIC METHOD TO IDENTIFY PRENATAL ALCOHOL EXPOSURE (PAE).**

Media Zanganeh<sup>1</sup>, Paul Gard<sup>2</sup>, Nigel Brissett<sup>2</sup>, Raja Mukherjee<sup>3</sup>, Katarzyna A. Dylag<sup>4</sup>.

<sup>1</sup>Medway School of Pharmacy (a collaboration between the University of Greenwich and the University of Kent), Chatham, United Kingdom; <sup>2</sup>University of Brighton, School of Applied Sciences, Brighton, United Kingdom; <sup>3</sup>Surrey and Borders Partnership - NHS Foundation Trust, Surrey, United Kingdom; <sup>4</sup>St. Louis Children Hospital, Krakow, Poland.

## **13. BLOOD-BASED BIOMARKER PROFILING AND MACHINE LEARNING: A NOVEL APPROACH TO DIAGNOSE FETAL ALCOHOL SYNDROME.**

Anna Ramos Triguero<sup>1</sup>, Elisabet Navarro Tapia<sup>2</sup>, Melina Vieiros Rodríguez<sup>3</sup>, Leopoldo Martínez Martínez<sup>3</sup>, Oscar García Algar<sup>4</sup>, Vicente Andreu Fernández<sup>1</sup>.

<sup>1</sup>Fundació de Recerca Clínic Barcelona-Institut d'Investigacions Biomèdiques August Pi i Sunyer (FRCB-IDIBAPS), Barcelona, Spain; <sup>2</sup>IDIPAZ, Barcelona, Spain; <sup>3</sup>IDIPAZ, Madrid, Spain; <sup>4</sup>Hospital Clínic de Barcelona, Barcelona, Spain.

## **111. BIOMARKERS OF FETAL EXPOSURE TO ALCOHOL AND MATERNAL CONSUMPTION: AN OVERVIEW.**

Nunzia La Maida, Simona Pichini, Adele Minutillo.

Istituto Superiore di Sanità, Rome, Italy.

**71. PRENATAL ALCOHOL EXPOSURE ALTERS THE INTER-ORGAN “PLACENTA-FETAL BRAIN” TRANSCRIPTOMIC SIGNATURE AND DYSREGULATES ANGIOGENIC COMMUNICATION.**

Camille Sautreuil<sup>1</sup>, Maryline Lecointre<sup>1</sup>, Céline Derambure<sup>1</sup>, Carole Brasse-Lagnel<sup>1</sup>, Sophie Gil<sup>2</sup>, Dan Savage<sup>3</sup>, Stéphane Marret<sup>4</sup>, Florent Maguet<sup>5</sup>, Anthony Falluel-Morel<sup>1</sup>, Bruno Gonzalez<sup>1</sup>.

<sup>1</sup>Inserm Unit 1245, Rouen, France; <sup>2</sup>INSERM UMR-S1144, Sorbonne Paris Cité, Paris, France; <sup>3</sup>Department of Neurosciences, University of New Mexico, Albuquerque, United States; <sup>4</sup>Department of Neonatal Paediatrics, Rouen Hospital, Rouen, France; <sup>5</sup>Department of Pathology, Rouen University Hospital, Rouen, France.

**58. ANALYSIS OF SELECTED ALCOHOL-METABOLIZING ENZYMES POLYMORPHISMS AND RAR/RXR VARIANTS EXPRESSION IN PATIENTS WITH FETAL ALCOHOL SYNDROME: INSIGHTS INTO ALCOHOL METABOLISM AND RETINOIC ACID PATHWAY COMPETITION.**

Elisabet Navarro Tapia<sup>1</sup>, Melina Veiros Rodríguez<sup>2</sup>, Anna Ramos Triguero<sup>3</sup>, Vicente Andreu Fernández<sup>3</sup>, Oscar García Algar<sup>4</sup>, Leopoldo Martínez Martínez<sup>5</sup>.

<sup>1</sup>IDIPAZ, Madrid, Spain; <sup>2</sup>IDIPAZ, Barcelona, Spain; <sup>3</sup>IDIBAPS, Barcelona, Spain; <sup>4</sup>Hospital Clínic de Barcelona, Barcelona, Spain; <sup>5</sup>Hospital La Paz, Madrid, Spain.

**Tuesday, September 24**

**16.00 – 17.30**

**Parallel Session III.A. – Diverse issues and FASD – II**

**Auditorium**

**Chair: Simona Pichini, Italy**

**110. FENTANYL PRENATAL EXPOSURE SYNDROME. A NEW CONDITION IN THE DIFFERENTIAL DIAGNOSIS OF FASD.**

Miguel Del Campo Casanelles, Adriana Tavares Gomes.

RAdy Children's Hospital and University of California San Diego, La Jolla, United States.

**53. FETAL ALCOHOL SPECTRUM DISORDER (FASD) IN 9 PAIRS OF TWINS WITH CONFIRMED PRENATAL ALCOHOL EXPOSURE.**

Iwona Kacperska, Mirosława Romanowska, Adriana Chojnowska, Dorota Polańska, Paulina Stobnicka-Stolarska, Barbara Markowska, Anna Lipska, Izabela Ratyńska, Iwona Sawionek.

Fasada Diagnostic Center, Warsaw, Poland.

**129. GIVING VOICE TO BIRTH PARENTS OF CHILDREN WITH FETAL ALCOHOL SPECTRUM DISORDER.**

Stewart McDougall, Suzanne O'Rourke, Ruth Brown, Sarah Brown, Jennifer Shields.

Fetal Alcohol Advisory Support and Training Team, School of Health in Social Science, University of Edinburgh, Edinburgh, United Kingdom.

**61. FALLING THROUGH THE CRACKS: CAREGIVER LIVED EXPERIENCES IN ACCESSING SUPPORTS AND INTERVENTION FOR THEIR CHILD FOLLOWING A DIAGNOSIS OF FETAL ALCOHOL SPECTRUM DISORDER IN CANADA.**

Mandeep Mahal<sup>1</sup>, Gurpreet Sohi<sup>2</sup>, Elsie Wang<sup>2</sup>, Sarah Hutchison<sup>1</sup>, Katelynn E Boerner<sup>3</sup>, Jane Shen<sup>1</sup>, Tim Oberlander<sup>1</sup>, Gurpreet Salh<sup>1</sup>.

<sup>1</sup>Sunny Hill Health Centre for Children at BC Childrens Hospital, Vancouver, Canada; <sup>2</sup>Faculty of Medicine, University of British Columbia, Vancouver, Canada; <sup>3</sup>Department of Pediatrics, Faculty of Medicine, University of British Columbia, Vancouver, Canada.

**119. COMORBID SIGNS OF REACTIVE ATTACHMENT AND DISINHIBITED SOCIAL ENGAGEMENT DISORDERS IN CHILDREN WITH FETAL ALCOHOL SPECTRUM DISORDER (FASD): ASSOCIATIONS WITH EARLY CARE HISTORY**

Ned Chandler-Mather, Eva Samios, Laura Read, Sharon Dawe.

Griffith University, Brisbane, Australia.

**Tuesday, September 24**

**16.00 – 17.30**

**Parallel Session III.B. – Legal, ethical and social issues**

**Room 3094 (24)**

**Chair: Gisela Michalowski, Germany and Jon Skranes, Norway**

**29. *"IT WOULDN'T HAPPEN IF NOBODY WANTED IT TO HAPPEN"*: FETAL ALCOHOL SPECTRUM DISORDER DIAGNOSTIC CLINICS IN CANADA.**

Kelly Harding<sup>1</sup>, Katherine Flannigan<sup>2</sup>, Kathy Unsworth<sup>2</sup>, Audrey Mcfarlane<sup>2</sup>.

<sup>1</sup>Canada FASD Research Network, Canada, Canada; <sup>2</sup>Canada FASD Research Network, Canada.

**73. FETAL ALCOHOL SPECTRUM DISORDER COSTS AND SAVING FROM PREVENTION.**

Juan Raso Peño Peño.

Universidad Rey Juan Carlos, Madrid, Spain.

**6. "POST ADOPTION SOCIAL WORK WITH FAMILIES WITH CHILDREN WITH A CONFIRMED OR SUSPECTED DIAGNOSIS OF FETAL ALCOHOL SPECTRUM DISORDERS."**

Rebecca Govan.

Birmingham City University, England, United Kingdom.

**116. "TAKING CARE OF FASD AT SCHOOL". TRAINING COURSES FOR TEACHERS AND SCHOOL EDUCATORS IN ITALY.**

Stefania Bazzo<sup>1</sup>, Alessandra Pisa<sup>2</sup>, Patrizia Intartaglia<sup>2</sup>, Carla Trevisan<sup>3</sup>, Patrizia Riscica<sup>2</sup>.

<sup>1</sup>Italian Association on Disorders due to Prenatal Exposure to Alcohol and/or Drugs (AIDEFAD ETS/APS), Treviso, Italy; <sup>2</sup>Italian Association on Disorders due to Prenatal Exposure to Alcohol and/or Drugs (AIDEFAD ETS/APS), Treviso, Italy; <sup>3</sup>Italian Association on Disorders due to Prenatal Exposure to Alcohol and/or Drugs (AIDEFAD ETS/APS), Treviso.

**149. THE SALFORD PARENTS AND CARERS EDUCATION COURSE FOR IMPROVEMENTS IN FASD OUTCOMES IN CHILDREN (SPECIFIC): LESSONS LEARNED FROM A FEASIBILITY TRIAL IN THE UK.**

Alan Price.

University of Salford, Manchester, United Kingdom.

**Wednesday, September 25**

**09.00 – 10.30**

**Breakout Session. Trauma and FASD**

**Auditorium**

**Chair: Raja Mukherjee, United Kingdom**

**143. CUMULATIVE AND DIMENSIONAL MODELS OF EARLY LIFE ADVERSITY AS PREDICTORS OF INTERNALISING AND EXTERNALISING DIFFICULTIES IN A NON-CLINICAL SAMPLE OF CHILDREN WITH FASD.**

Alan Price.

University of Salford, Manchester, United Kingdom.

**174. DISENTANGLING THE EFFECTS OF PRENATAL SUBSTANCE EXPOSURE AND POSTNATAL ADVERSITY ON SLEEP DISTURBANCES IN EARLY CHILDHOOD.**

Ned Chandler-Mather<sup>1</sup>, Kathryn Modecki<sup>2</sup>, Sharon Dawe<sup>1</sup>.

<sup>1</sup>Griffith University, Brisbane, Australia; <sup>2</sup>University of Western Australia, Perth, Australia.

**167. CHARACTERISING SUICIDALITY AND ASSOCIATED RISK FACTORS IN AUSTRALIAN CHILDREN AND YOUTH DIAGNOSED WITH FASD.**

Carmela Pestell.

University of WA, Perth, Australia.

**123. THE IMPACT OF A NEUROCOLLABORATIVE THERAPLAY® AND ALERT PROGRAM®-INFORMED INTERVENTION FOR ADOPTIVE AND SPECIAL-GUARDIANSHIP FAMILIES WITH CHILDREN WHO HAVE EXPERIENCED EARLY LIFE ADVERSITY AND PAE.**

Jack Purrington<sup>1</sup>, Alan Price<sup>2</sup>, Chloe Godfrey<sup>3</sup>, Jacqueline Lynch<sup>4</sup>, Penny Cook<sup>2</sup>, Raja Mukherjee<sup>5</sup>.

<sup>1</sup>Chrysalis Associates, York, United Kingdom; <sup>2</sup>University of Salford, Salford, United Kingdom; <sup>3</sup>Chrysalis Associates, Grantham, United Kingdom; <sup>4</sup>Chrysalis Associates, Sheffield, United Kingdom; <sup>5</sup>Surrey and Borders Partnership NHS Foundation Trust, Surrey, United Kingdom.

**147. FUTURE DIRECTIONS IN FASD AND EARLY LIFE ADVERSITY RESEARCH AND PRACTICE: TOWARDS A MODEL OF PRE AND POSTNATAL ADVERSITY AND INTERVENTION**

Alan Price.

University of Salford, Manchester, United Kingdom.

**Wednesday, September 25**

**11.00 – 12.00**

**Plenary Session VI. The future of FASD**

**Auditorium**

**Chair: EUFASD Board, Sweden**

**39. DIAGNOSING FASD IN ADULTS - WHAT IS GOING ON IN EUROPE?**

Jan De Vries<sup>1</sup>, Björn Kruse<sup>2</sup>, Niina-Maria Nissinen Nissinen<sup>3</sup>, Daria Tarasova<sup>2</sup>.

<sup>1</sup>ZOI-zorgoplossingen, Leeuwarden, Netherlands; <sup>2</sup>Evangelisches Krankenhaus Königin Elisabeth Herzberge gGmbH, Berlin, Germany; <sup>3</sup>IQVIA, Espoo, Finland.

**7. SUBSTANCE USE AND MENTAL HEALTH AMONG ADULTS LIVING WITH FASD**

Henrike Schecke.

LVR-University Hospital, Department of Psychiatry and Psychotherapy, Germany.

**38. ESTIMATION OF IQ BY ARTIFICIAL NEURAL NETWORKS (ANN) IN CHILDREN WITH FASD IN REUNION ISLAND.**

Robert Trommsdorff<sup>1</sup>, Sonia Henkous<sup>2</sup>, Valérie Trommsdorff<sup>2</sup>.

<sup>1</sup>Université de la Réunion, -, Reunion; <sup>2</sup>CHU Réunion, Pediatrics, Reunion.