FRIDAY 17 NOVEMBER 2023

| SIG | ASIEM NEWBORN SCREENING | ASIEM TRAINEES / ALLIED HEALTH | | ASDG | AACG | ASGC |
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| Room | MEETING PLACE 1 | MEETING PLACE 2 | | MEETING PLACE 3 | MEETING PLACE 4 | CENTRE STAGE 2 |
| 0830- 1030 | | SSION 1 D SESSIONS | 0830- 1000 | SESSION 1 | | |
| | Newborn screening Chair: Dianne Webster 0830: NZ update 0840: NSW update 0850: SA update 0910: Vic update 0920: WA update 0930: National (NZ) and federal (Aus) Policy implementation 1000: Discussion and Q&A | ASIEM Academy Facilitated by Carolyn Bursle and Kalliope Demetriou | | Submitted Orals - Learning from each other to improve patient care 1. DEVELOPING A PROCESS FOR BIOINFORMATIC IMPACT ASSESSMENT OF CIS-REGULATORY VARIANTS IN MONOGENIC DISEASE - Dr Rehan Villani 2. A TIME TO REVERT: A SEAMLESS CLINICAL, RESEARCH AND DIAGNOSTIC APPROACH TO ACHIEVING A DIAGNOSIS - Dr Ee Ming Wong 3. PILOTING AN INTERPRETIVE MODULE FOR GENOMIC TESTING FOR CHILDHOOD SYNDROMES AND INTELLECTUAL DISABILITY – Prof Bruce Bennetts 4. OCULAR GENOMIC MULTIDISCIPLINARY TEAM (OCULARGEN-MDT): A NATIONAL RESOURCE FACILITATING MOLECULAR DIAGNOSES AND THERAPY ELIGIBILITY IN THE INHERITED RETINAL DYSTROPHIES - Dr Benjamin Nash 5. ASDG CONVENTIONAL CHROMOSOMAL MICROARRAY ANALYSIS BEST PRACTICE GUIDELINES - CONSIDERATIONS FOR REPORTING OF GERMLINE UNSOLICITED FINDINGS FROM THE WORKING PARTY – Miss Amber Burgess | CLOSED SESSION | Welcome – Ms Lisette Curnow and A/Prof Laura Forrest Interactive education session: Intersectionality and Trans-Inclusive Care in Genomic Medicine Chairs: Rebecca Purvis, Joshua Schultz, Anastasia Lewis, and Lucas Mitchell (virtual) International speakers (virtual): Prof Jehannine Austin and A/Prof Kim Zayhowski |
| | | | 1000- 1030 | | MORNING TEA & DISPLAYS | |

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| 1030- 1100 | MORNING TEA & DISPLAYS 1030- 1200 | | SESSION 2 | | | |
| 1100- 1245 | | SSION 2 D SESSIONS 1100-1300 | | 1030-1115 Invited Speaker Presentation: The old and the new: A review of | 1030-1115 Invited Speaker Presentation: The role of Health Economics in | 1030-1100 Chair: Dr Marta Cifuentes Ochoa and Mr Ivan Macciocca |
| | Newborn screening research meeting Chair: Natasha Heather 1100: Prof Bruce Bennetts - | ASIEM Academy Facilitated by Carolyn Bursle and Kalliope Demetriou | | current cytogenetic and genomic testing methodologies for haematological malignancies at Pathology Queensland Dr Adayapalam Nandini 1115-1200 MAVE Education Group session | the evaluation and translation of Genomic Medicine A/Prof Ilias Goranitis 1115-1200 AACG AGM | Invited speaker Presentation: The value of ancestry specific genomic data for genetic counselling practice Ms Yasmin Blystra 1100-1200 |
| | NEWBORN GEN SEQ TRAIL 11.15: A/Prof David GODLER -EpiGNs | | | | CLOSED SESSION | Submitted Oral Presentations 1. PSYCHOSOCIAL ISSUES RAISED |
| | 1130: A/Prof Karin Kassahn - Newborns in SA 1145: A/Prof Sarah Norris - | | | | | DURING GENETIC COUNSELLING FOR INDIVIDUALS AND FAMILIES OF MIXED ETHNICITY AND CULTURE: EXPLORING |
| | gEnomics4newborns 1200; A/Prof Sebastian Lunke - BabyScreen+ | | | | | AUSTRALIAN GENETIC COUNSELLORS' PERSPECTIVES – Mr Parker Truong 2. IT'S ABOUT US: A QUALITATIVE |
| | 1215: Discussion | | | | | EXPLORATION OF SOUTH ASIAN COMMUNITY ATTITUDES TOWARDS GENOMIC RESEARCH — MS Vaishnavi Nathan 3. DEFINING NEXT STEPS IN THE IMPLEMENTATION OF POLYGENIC SCORES IN AUSTRALIA'S GENETICS CLINICS: PROFESSIONALS' VIEWS ON |
| | | | | | | DETERMINANTS, STRATEGIES AND NEEDS – Ms Rebecca Purvis 4. A QUALITATIVE EXPLORATION OF GENETIC HEALTHCARE PROVIDERS LEARNING NEEDS AND PREFERENCES FOR POLYGENIC RISK SCORE EDUCATION - Mrs Amy Clark |
| 10.15 | | | 1200- 1300 | LUNCH, DISPLAYS & POSTERS | | |
| 1245- 1330 | LUNCH, DISP | LAYS & POSTERS | 1300- 1430 | | SE | SSION 3 |

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| 1330- 1430 | SES | MEETING PLACE 2 SSION 3 D SESSIONS Metabolic Genetics (submitted orals) 1. PREGNANCY WEIGHT GAIN IN MATERNAL PHENYLKETOURIA (MPKU) - Ms Amy Allia 2. A DARS2 MILD LEUKODYSTROPHY AND CHALLENGES INTERPRETING AN INTRONIC SPLICING HYPOMORPH AS SECOND HIT – Dr Michel Tchan 3. DETAILED NEUROPSYCHOLOGICAL EVALUATIONS IN ATTENUATED METACHROMATIC LEUKODYSTROPHY – Dr Michel Tchan 4. RETROSPECTIVE DIAGNOSIS OF OTC DEFICIENCY IN A DECEASED NEONATE | 1300-1345 ASDG AGM CLOSED SESSION 1345-1430 SESSION 3 Submitted Orals - Genomics 1. MOSAIC SEGMENTAL OVERGROWTH SYNDROMES GENE SEQUENCING ON THE ION TORRENT NGS PLATFORM - Mr George Elakis 2. SOMATIC GENOMIC TESTING CAPACITY AND CURATION PRACTICES IN AUSTRALIAN AND NEW ZEALAND DIAGNOSTIC TESTING LABORATORIES - Ms Grace Pendlebury 3. TECHNICAL LIMITATIONS OF PKD1 GENE SEQUENCING - VCGS EXPERIENCE - Dr Suliman Khan | Dysmorphology cases CLOSED SESSION | CLOSED SESSION Family Therapy workshop: Becoming unstuck – the use of Family therapy techniques in Genetic Counselling Facilitators: Nicky Gelfand, Tiffany O'Brien, Lisa Gordon, and Anthony Hurst Interesting cases 1. THE COMPLEXITIES OF NAVIGATING MULTIPLE FAMILY MEMBERS ACROSS GENERATIONS-WHO IS OUR PATIENT? – MS Lisa Gordon 2. COMPLEX FAMILY DYNAMICS IN A SIBSHIP AT RISK OF HUNTINGTON DISEASE – MS Jennifer Berkman |
| 1430- 1500 | | FOLLOWING PRESENTATION IN A SUBSEQUENT SIBLING – Dr Sarah Donoghue | AFTERNOON TEA, DISPLAYS, POSTERS | | |
| 1500- 1600 | HGSA EGM | | | | |

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| 1600- 1730 | | | SESSION 4 | | |
| | 1600-1640 Wilcken / Danks Lecture: Solving puzzles in biochemic Dr James Pitt 1640-1730 ASIEM AGM | cal genetics | 1630-1700 Submitted Orals - Panel testing 1. THE "GOLDILOCKS" PANEL: DETERMINING THE OPTIMAL NUMBER OF GENES TO INCLUDE WHEN PERFORMING REPRODUCTIVE CARRIER SCREENING - Ms Mia Gruzin 2. IMPLEMENTATION OF NEW CARDIAC PANEL ANALYSIS SERVICE AT NSWHP RANDWICK GENOMICS - Ms Melissa Cullen 1700-1730 ASDG Mentoring Program Launch | CLOSED SESSION | Chairs: Ms Anna Jarmolowicz and Ms Lisette Curnow Submitted Oral Presentations - CARERS LIVED EXPERIENCE OF FAMILIAL ID AND THEIR ATTITUDES TOWARDS REPRODUCTIVE TECHNOLOGY – Miss Hannah Thomson - THE IMPACT OF GENETIC COUNSELLING ON PEOPLE WITH AN INCREASED- CHANCE REPRODUCTIVE GENETIC CARRIER SCREENING RESULT: A MIXED-METHODS STUDY - Miss Ella Zurita - IVF SUCCESS RATES IN INDIVIDUALS ACCESSING PREIMPLANTATION GENETIC TESTING FOR MONOGENIC CONDITIONS (PGT-M) IN VICTORIA, AUSTRALIA – Ms Alice Poulton - "MORE THAN JUST A TEST" - A QUALITATIVE STUDY ON THE CLINICAL UTILITY OF GENOMICS IN RARE DISEASES – Mr Ryan Pysar (virtual) |
| 1730- 2030 | | | SIG MIXER – The Terrace, Rydges Melbou | rne | |

SATURDAY 18 NOVEMBER 2023

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| ROOM | MEETING PLACE 1 | MEETING PLACE 2&3 | MEETING PLACE 4 | CENTRE STAGE 2 | | |
| 0900-1030 | SESSION 5 | | | | | |
| 1030-1100 | Biochemical Genetics Chair James Pitt 0900-0930 Invited Speaker Presentation speaker RDMassSpec: Ultra rapid proteomics for rare disease A/Prof David Stroud 0930-1030 Submitted Orals 1. THERAPEUTICS FOR NAXD DISORDER — A NEWLY DESCRIBED FATAL ENCEPHALOPATHY TRIGGERED BY FEVER — Dr Nicole Van Bergen 2. STEM CELL MODELLING OF MITOCHONDRIAL DISEASE-LINKED CARDIOMYOPATHY — Dr Ann Frazier 3. PROLIDASE DEFICIENCY: A CASE REPORT AND IMPROVED SPECIFICITY OF URINE SCREENING — Miss Abisha Srikumar 4. DETECTION OF A SEVERE FORM OF ADENYLOSUCCINATE LYASE DEFICIENCY BY FIRST TIER URINE METABOLIC SCREENING WITH TARGETED TANDEM MASS SPECTROMETRY — Mr Kai Mun Hong | Invited Speaker Presentation Insights into the ACMG/AMP/CAP/ ClinGen Standards for Sequence Variant Classification v4.0 Dr Alicia Byrne 1000-1030 Submitted Orals – Cytogenetics 1. GENOMIC CHARACTERISATION OF GATA2 DEFICIENCY SYNDROME. A CASE REPORT - Mrs Naomi Westland 2. TWO CASES OF MOSAIC RING CHROMOSOME 22 WITH PHELAN- MCDERMID SYNDROME ASSOCIATED WITH INCREASED TUMOUR RISK - Miss Bianca Akhurst | 9900-0945 Submitted Orals 1. MAKING SENSE OF THE COMPLEX: LONG READ SEQUENCING DELINEATING COMPLEX STRUCTURAL VARIANTS IN RARE GENETIC CONDITIONS - Dr Lisa Ewans 2. THE PSYCHOSOCIAL IMPACT AND HEALTH OUTCOMES OF GENETICS CONSULTATIONS AND TESTING IN AUSTRALIA: THE ENTRUST STUDY - A/Prof Kathy Wu 3. GENOTYPING IN PAEDIATRIC VASCULAR ANOMALIES: THE IMPACT OF MOLECULAR DIAGNOSIS ON CLINICAL PRACTICE - Dr Sinead O'Sullivan 0945-1030 Invited Speaker Presentation Vascular malformations research Dr Natasha Brown | Chair: Ms Giulia Valente and Dr Helen Mountain Invited Speaker Presentation: A genetic counselling led, adaptive, translation program returning genomic research results to research participants Ms Mary-Anne Young 0930-1030 Submitted Oral Presentations 1. HOW TO MANAGE 'INCREASED CHANCE' RESULTS FROM GENOMIC NEWBORN SCREENING: FINDINGS FROM KEY INFORMANT INTERVIEWS – Ms Erin Tutty 2. BECOMING AGENTS FOR GENOMIC CHANGE: GENETIC COUNSELLORS' VIEWS OF MAINSTREAMING GENOMICS IN PATIENT CARE AND IMPLEMENTATION INFLUENCES - Trang Do 3. EVALUATING CO-DESIGNED INTERVENTIONS SUPPORTING PAEDIATRICIANS TO ORDER FUNDED GENOMIC TESTS: A WEBSITE, 'ASK-A-GENETICS-EXPERT' CONTACT SERVICE AND AWARENESS RAISING ACTIVITIES – A/Prof Belinda Dawson-McClaren 4. WHAT MATTERS TO PARENTS? BUILDING THE FOUNDATIONS OF A PARENT-REPORTED EXPERIENCE MEASURE FOR THE MAINSTREAM DELIVERY OF GENOMIC TESTING – Ms Erin Crellin | | |
| 1030-1100 | | MORNING TEA | , DISPLAYS & POSTERS | | | |

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| 1100-1230 | | SE | SSION 6 | |
| | Newborn Screening – Submitted Orals Chair Natasha Heather 1. INTRODUCTION OF SUCCINYLACETONE AS A NEWBORN SCREENING MARKER FOR TYROSINAEMIA – THE NEW ZEALAND EXPERIENCE – Mr Mark De Hora 2. MONITORING PHENYLALANINE IN A NEWBORN SCREENED INFANT WITH TYROSINAEMIA TYPE 1 – Mrs Rychelle Winstone 3. HEREDITARY TYROSINEMIA TYPE 1 IN MELBOURNE, AUSTRALIA: A 22-YEAR RETROSPECTIVE STUDY – Dr Dinusha Pandithan 4. TRANSIENT INCREASED 11- DEOXYCORTISOL DETECTED ON NEWBORN BLOODSPOT SCREENING FOR CONGENITAL ADRENAL HYPERPLASIA – Mr Lawrence Greed 5. MANAGING NEWBORN SCREENING RECOLLECTIONS FOR SICK AND PRETERM NEONATES – A/Prof Ronda Greaves Session Q & A | 1145-1220 Poster Prize presentations 1. KANSL1 GENOTYPING COMPLEX REGIONS AND COPYNUMBERS - Mr Luke Wainwright 2. MOSAIC DCX VARIANTS IN PATIENTS WITH SUBCORTICAL BAND HETEROTOPIA - Mr Kristian Brion 3. EIGHT SEQUENTIAL FISH ROUNDS ON BLOOD SMEARS IDENTIFIED ETV6::MNX1 ASSOCIATED WITH HIGH-RISK CYTOGENETICS IN INFANT ACUTE MYELOID LEUKAEMIA - Ms Christina Chou 4. UNEXPECTED IDENTIFICATION OF A CONTIGUOUS GENE DELETION BY REPRODUCTIVE GENETIC CARRIER SCREENING - Ms Crystle Lee 5. NOT SO MUTUALLY EXCLUSIVE: A DOUBLE DRIVER MPN CASE STUDY - Mrs Tamaryn Knezovich (virtual) 6. TOO MANY SNPS SPOIL THE BROTH: OTC PROBE LOSS IN SNP MICROARRAY TESTING - Mr Oliver Van Wageningen (virtual) | e for the distracted academic. er Mewburn 1145-1230 Submitted Orals 1. CLINICAL AND GENOMIC TESTING OUTCOMES IN CHILDREN WITH SEVERE OR RECURRENT HYPOGLYCAEMIA AT THE ROYAL CHILDREN'S HOSPITAL 2016-2021 - Dr Oliver Heath 2. BLOOD-BASED BIOMARKER FOR SPAST- ASSOCIATED HEREDITARY SPASTIC PARPALEGIA (HSP-SPAST) - Dr Sue-Faye Siow 3. 7 NOVEL VARIANTS OF WEISS-KRUSZKA SYNDROME IN THE AIM TO EXPAND PHENOTYPE - Dr Anna Hau (virtual) | CLOSED SESSION Ethics workshop including interesting cases Facilitators: Ms Sharon Feldman & Dr Melody Menezes Interesting Cases 1. WHOSE RIGHT IS IT ANYWAY? A REQUEST FOR PRE-SYMPTOMATIC HD TESTING IN A CHILD WITH LIMITED CAPACITY – Ms Suzannah Bawden 2. THE ETHICAL IMPACTS OF PROCEDURAL CHANGES ON PATIENTS AND THEIR FAMILIES- Ms Laura Barth 3. GENETIC TESTING FOR BREAST CANCER IN A TRANSGENDER PATIENT - Dr Gabrielle Reid |
| 1230-1330 | LUNCH, DISPLAYS, POSTERS | 1230-1400 | LUNCH, DISPLAYS & POSTER SESSION (1300-1330) | |

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| 1330-1530 | SESSION 7 | | | |
| | 1330-1400 Invited Speaker Presentation Exercise testing and prescription in patients with inborn errors of muscle metabolism Ms Kiera Batten | 1400-1530 1400-1530 | SESSION 7 | 1400-1500 |
| | Submitted Orals | ASDG Cytogenetics Best Practice Guidelines Drafts | Submitted Orals | CLOSED SESSION Chair: Ms Sachini Poogoda and Ms Elly Lynch |
| | EFFECTS OF COMMENCING SAPROPTERIN THERAPY ON QUALITY OF LIFE FOR CHILDREN WITH PHENYLKETONURIA AND THEIR FAMILIES: A QUALITATIVE INTERVIEW STUDY – Ms Catherine Atthow DIETARY MANAGEMENT OF HMG-COA LYASE DEFICIENCY – SIMPLIFYING THE COMPLEXITY – Mrs Susan Thompson COMPARISON OF MPKU DIETARY PROTEIN INTAKE BEFORE AND AFTER TETRABIOPTERIN (BH4) – Mrs Clare Williams MITOCHONDRIAL NEUROGASTROINTESTINAL ENCEPHALOMYOPATHY: WATCH THE THYMINE! – Dr Rebecca Quinn A NOVEL MUTATION IN CPS-1 GENE RESULTING IN LATE ONSET CPS-1 DEFICIENCY – Dr Suchitra Raj CRITICALLY UNWELL CHILDREN WITH MITOCHONDRIAL DISORDERS DIAGNOSED BY ULTRA-RAPID GENOMIC SEQUENCING – Dr Megan Ball | Presentation and discussion | CLINICAL OUTCOMES FOLLOWING PRE-IMPLANTATION GENETIC TESTING FOR MONOGENIC CONDITIONS, A SYSTEMATIC REVIEW - Ms Alice Poulton PRENATAL WHOLE EXOME SEQUENCING: DIAGNOSES AND DILEMMAS - Mr Ron Fleischer & Miss Bethany Wadling PREGNANCY AND BIRTH OUTCOMES FOLLOWING MOSAIC EMBRYO TRANSFERS - Miss Tamara Mossfield GENE SELECTION FOR GENOMIC NEWBORN SCREENING: MOVING TOWARDS CONSENSUS? - Dr Lilian Downie SUPPORTING REPRODUCTIVE DECISION MAKING IN NEUROFIBROMATOSIS (NFSURE) - Dr Alison McLean NEUROFIBROMATOSIS MODEL OF CARE PROJECT: DEVELOPMENT OF A STATEWIDE INTEGRATED VALUE-BASED MODEL OF CARE FOR THE NEUROFIBROMATOSES - Dr Sue-Faye Siow | 1. GENETIC COUNSELLING CHALLENGES IN INTERPRETING TP53 PATHOGENIC VARIANTS IN GERMLINE GENETIC TESTING FOR BREAST CANCER PATIENTS WITH POSSIBLE MOSAIC RESULTS - Ms Sook-Yee Yoon 2. SHAME AND GUILT IMPACTING ON THE DISCLOSURE OF CONSANGUINITY - ASGC INTERESTING CASE - Ms Kate Riley 3. ULTRA-RAPID WHOLE GENOME SEQUENCING AT 38 WEEKS GESTATION FOR VENTRICULOMEGALY AND ANTERIOR TEMPORAL POLE CYSTS – Ms Helen Kincaid 4. AN INCIDENTAL FINDING OF A TP53 PATHOGENIC VARIANT IN THE PRENATAL SETTING - Yael Prawer Interesting Cases Q&A 1500-1530 Chair: Ms Laura Barth and Ms Elly Lynch |
| | SEQUENCING DI INEGAN SUN | | | Chair: Ms Laura Barth and Ms Elly Lynch Invited Speaker Presentation: Well-being strategies for cardiac genetic counsellors Ms Laura Yeates |

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| 1530-1600 | AFTERNOON TEA | CLOSING & AWARD PRESENTATIONS | CLOSING & AWARD PRESENTATIONS | CLOSING & AWARD PRESENTATIONS |
| 1600-1700 | SESSION 8 | | | |
| | Metabolic Genetics | | | |
| | 1600-1630 Oral Sepiapterin in Phenylketonuria: Results from the phase 3 APHENITY trial and open label, long-term extension study Dr Michel Tchan | | | |
| | 1630-1700 Submitted Orals | | | |
| | 1. POTENTIAL DISEASE MODIFYING EFFECTS AND CLINICAL OUTCOMES IN SUBJECTS WITH MUCOPOLYSACCHARIDOSIS I TREATED WITH PENTOSAN POLYSULFATE SODIUM - Dr David Ketteridge 2. SERTRALINE USE IN PATIENTS WITH GLUTARIC ACIDURIA TYPE 2 ON ACYLCARNITINE PROFILE AND LACK OF PATHOGENIC BIALLELIC VARIANTS IN ETFA/ETFB/ETFDH - Dr Liza Phillips | | | |
| | Close of Meeting | | | |