Day 1     July 11th

7:00 AM   Registration Opens – Harmony Foyer

8:00 AM   Welcome from the 22q11.2 Society – Harmony Ballroom
           Peter Scambler and Donna McDonald-McGinn

8:10 AM   Welcome from the Local Arrangements Committee – Harmony Ballroom
           Anne Bassett, Jacob Vorstman and Pooja Panwar

8:15 AM   Official Meeting Opens – Harmony Ballroom

8:20 AM   2018 Angelo DiGeorge Memorial Medal of Honor Presentation
           2016 Recipient Ann Swillen – Presenting

Session I: Detection - Care - Collaboration
           Chairs: Peter Scambler and Donna McDonald-McGinn

Invited Speaker:
           Bedside to Bench and Back Again – A Caregiver’s Tale

8:30 AM   1   Anne Bassett
           University of Toronto
           Toronto, ON, Canada

Submitted Papers: Detection

8:45 AM   2   Donna McDonald-McGinn
           22q and Two – 22q11.2 Deletion and Coexisting Conditions

8:55 AM   3   Margaret Harr
           Screening for 22q11.2 Deletions and Duplications in a Large Biobank Data-Set at a Tertiary Medical Center Uncovers New and Undiagnosed Cases
9:05 AM  4  Zachary Demko  
Analytical Validation of a SNP-Based Non-Invasive Prenatal Test to Detect the Fetal 22q11.2 Deletion in a Cohort of Maternal Plasma Samples

9:15 AM  5  Melissa Maisenbacher  
Detection of Mothers at Risk for the 22q11.2 Deletion by NIPT Highlights Lack of Maternal and Fetal Confirmatory Testing

9:25 AM  Q&A

Submitted Papers: Care

9:40 AM  6  Alice Bailey  
Multidisciplinary Care for Patients with Chromosome 22q11.2 CNVs

9:45 AM  7  Emily Gallagher  
Multidisciplinary Care Utilization in Patients with 22q11.2 Deletion Syndrome at Seattle Children’s Hospital

9:50 AM  8  Scott Hickey  
The Impact of Interdisciplinary Team Care on Adherence to Clinical Care Guidelines in Children with 22q11.2DS

9:55 AM  9  Caren Kelman  
Psychosocial Needs Necessitating Social Work Intervention for Patients and Families Affected by the 22q11.2 Deletion and Duplication Syndromes

10:00 AM  Q&A

Submitted Papers: Collaboration

10:10 AM  10  McGinn, MJ*  
Current Care Practices For 22q11.2 Deletion and Duplication Syndromes across the Americas: Towards Establishing A Formal Network

10:16 AM  11  Chiaki Kitamura  
Exploring Support Needs of Individuals and Families Affected by 22q11.2DS in Japan

10:20 AM  12  Christine Loock  
Quality Improvement and Research Collaboration Opportunities in British Columbia and Canada Using Data Linkages for Patients and Families Living with 22q11.2DS

* - Indicates Junior Investigators
10:25 AM  Q&A

10:30 AM  Coffee Break – Harmony Foyer

**Session II:**  On the Road to Improving Care via Novel Interventions
*Chairs: Anne Bassett and Ann Swillen*

**Invited Speaker:**
**TBX1 and 22q11.2DS: Transcriptional Mechanisms and Phenotypic Rescue**

**11:00 AM  13 Antonio Baldini**
*Institute of Genetics and Biophysics, National Research Council, University Federico II*
*Naples, Italy*

**Submitted Papers: Working Towards a Cure**

**11:30 AM  14 Vittorio Sebastiano**
*In Vitro Modeling of 22q11 Endodermal Anomalies Using Human Pluripotent Stem Cells: Understanding the Disease to Develop a Cure*

**11:40 AM  15 Katja Weinacht**
*Regenerative Thymic Tissues as Curative Cell Therapy for Children with 22q11DS and Severe T Cell Immunodeficiency*

**11:50 AM  Q&A**

**Invited Speaker:**
**Intervention and Treatment Affecting Brain and Behavior**

**12:05 PM  16 Elizabeth Illingworth**
*Institute of Genetics and Biophysics, National Research Council*
*Naples, Italy*

**Submitted Papers: Targeted Therapy**

**12:35 PM  17 Doron Gothelf**
*A Meta-Analysis of Psychiatric Treatments in 22q11DS*

**12:40 PM  18 Therese Van Amelsvoort**
*Gaba and Glutamate in Patients with 22q11.2DS and Healthy Volunteers and the Relation with Cognition: A Randomized Double-Blind 7Tesla Pharmacological MRS Study*

* - Indicates Junior Investigators
12:50 PM 19  Marco Armando  
Omega-3 Polyunsaturated Fatty Acids Improve Neurocognitive Functions and Reduce the Conversion Rate to Psychosis in Patients with 22q11.2DS

1:00 PM 20  Daniel Meechan  
A Developmental/Molecular Mechanism and Targeted Therapy for Cognitive Disruption in 22q11.2DS

1:10 PM  Q&A

1:30 PM  Group Photo followed by Luncheon and Poster Viewing – Harmony Foyer

Session III:  The Classics (per DiGeorge) – Immune, Cardiac, and Endocrine  
Chairs: Antonio Baldini and Kathleen Sullivan

Invited Speaker:  
Immunology as a Window into Understanding 22q11.2 Related Issues

2:15 PM 21  Kathleen Sullivan  
Children’s Hospital of Philadelphia and the Perelman School of Medicine at the University of Pennsylvania  
Philadelphia, PA, USA

Submitted Papers: Thymus

2:45 PM 22  Beruh Dejene  
The Thymus in 22q11.2DS

2:55 PM 23  Terrence Crowley*  
Variable Immune Deficiency Related to Deletion Size in Chromosome 22q11.2DS

3:00 PM 24  Solveig Oskarsdottir  
Long Term Follow-Up of Patients with 22q11DS and Low Trecs in the Newborn Period

3:10 PM 25  Carmela Giancotta  
Autoimmunity and its Association with T Cells and B Cell Subsets in Patients with Del22q11.2 Syndrome

3:15 PM 26  Agostina Marolda  
Immunological Hallmarks of Hematological Autoimmunity in 22q11.2 Deletion Syndrome (22q11.2DS) Patients: a Multicentric Case-Control Study

* - Indicates Junior Investigators
3:20 PM  Q&A

3:35 PM  27  **Marta Unolt**
Submitted Papers: Heart
*Left Pulmonary Artery in 22q11.2DS: Echocardiographic Findings in Humans and Expression of Tbx1 and Knockout Mice*

3:45 PM  28  **Peter Scambler**
*Tbx1 Is Required for Vagal Innervation of the Heart*

3:55 PM  29  **Glen Iannucci*  
*TBX1 Mutation as a Cause of Non-Syndromic Familial Vascular Rings*

4:00 PM  30  **Damien Heine-Suñer**
*Vitamin A Supplementation in the Diet, but Not Deficiency, Modulates the Incidence of Congenital Heart Defects in a 22q11DS Mouse Model*

4:10 PM  Q&A

4:20 PM  Poster Session with Authors (Odd #) and Afternoon Tea – Harmony Foyer

**Session IV: The Classics and More**
Chairs: Nicole Sarles-Philip and Solveig Oskarsdottir

5:15 PM  31  **Stephanie Jeong*  
Submitted Papers: Cardiac and Endocrine
*22q11.2 Duplication: An Important Cause of Hypoplastic Left Heart Syndrome*

5:25 PM  32  **Spencer van Mil*  
*Late Mortality in a Genetic Subtype of Tetralogy of Fallot*

5:35 PM  33  **Michele Lambert**
*Evaluation of Bleeding Risk with Cardiac Surgery in 22q11.2DS: A Case Control Study*

5:45 PM  34  **Lorraine Katz**
*Association between Cardiac Surgery and Hypocalcemia in 22q11.2DS*

5:55 PM  35  **Erik Boot**
*Endocrine Alterations in Adults with 22q11.2DS*

* - Indicates Junior Investigators
6:05 PM  36  Michiel Houben  
*Indicates Junior Investigators*  
*Growth in Dutch Children with 22q11.2 Deletion Syndrome - Construction of Reference Growth Charts and Analysis of Determinants of Growth*

6:15 PM  Q&A

6:30 PM  Adjourn Day 1

8:00 PM  *Poolside and Ping Pong Reception – Harmony Terrace*

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Day 2  
July 12th

7:30 AM  *Registration Opens – Harmony Foyer*

8:00 AM  *20th Anniversary Special Service Award Presentation – Harmony Ballroom*  
*Peter Scambler and Anne Bassett – Presenting*

Session V:  
*Major Associated Systems*  
*Chairs: Bernice Morrow and Oksana Jackson*

*Invited Speaker:*  
*CRKL and Mammalian Structural Birth Defects*

8:10 AM  37  Bernice Morrow  
Albert Einstein College of Medicine  
New York, NY, USA

*Submitted Papers: A Multisystem Condition*

8:25 AM  38  Modupe Adetunji *  
*Immature Platelet Fraction is Elevated in Individuals with 22q11.2DS Even with Near Normal Platelet Counts*

8:35 AM  39  Jelle Homans*  
*Scoliosis in Association with the 22q11.2DS*

8:40 AM  40  Jelle Homans*  
*The Surgical Outcome of Scoliosis Surgery within the 22q11.2DS*
8:45 AM 41 Maria Mascarenhas
Exploring the Gastrointestinal Phenotype in 22q11.2DS

8:55 AM 42 Anthony LaMantia
A Neurodevelopmental Basis for Perinatal Feeding and Swallowing Disorders in 22q11.2

9:05 AM 43 Thomas Maynard
Ranbp1 Haploinsufficiency Contributes to Cranial Neural Crest Anomalies in 22q11.2DS

9:15 AM Q&A

9:30 AM 44 Oksana Jackson
Palatal Abnormalities in 22q11.2DS

9:40 AM 45 Brian Kellogg
Revision Speech Surgery in Patients with 22q11.2DS: A Retrospective Review of Speech Outcomes

9:50 AM 46 Alexander de la Mar
Comparison of Speech Outcome after Pharyngoplasty in 22q11.2DS: Cranial Based Pharyngeal Flap versus the Modified Honig Procedure

10:00 AM 47 Lisa Elden
Anatomical Malformations of the Middle and Inner Ear in 22q11.2DS

10:05 AM 48 Lisa Elden
A Cohort Study: Indications and Outcomes of Otolaryngologic Surgeries in Pediatric Patients with 22q11.2DS

10:15 AM 49 Christina Gonzalez-Gandolfi*
22q11.2 LCR22D-LCR22E Distal Deletion: Findings in One Illustrative Family

10:20 AM Q&A

10:30 AM Coffee Break – Harmony Foyer

* - Indicates Junior Investigators
Session VI: Speech, Language and Intellect
Chairs: Elizabeth Illingworth and Cindy Solot

Invited Speaker:
Hippocampal-Prefrontal Miscommunication and Cognitive Deficits
David Kupferschmidt
National Institute of Health
Bethesda, MD, USA

Submitted Papers: Language, Cognition and Intellect

11:00 AM 50
Invited Speaker:
Hippocampal-Prefrontal Miscommunication and Cognitive Deficits
David Kupferschmidt
National Institute of Health
Bethesda, MD, USA

11:30 AM 51
Tessel Boerma*
Language Impairment in the 22q11.2DS

11:40 AM 52
Cindy Solot
Are Language Scores an Early Predictor of Cognitive Decline?

11:50 AM Q&A

12:00 PM 53
Daniel McGinn*
Maternal Origin of Familial 22q11.2 Deletions Negatively Impacts FSIQ Scores

12:10 PM 54
Elemi Breetvelt
A Normative Chart for Cognitive Development in 22q11DS: Implications for 22q11DS and Beyond

12:20 PM 55
Ania Fiksinski*
The Impact of Parental IQ on the Variable Penetrance of Intellectual Impairment in 22q11DS

12:30 PM 56
Ann Swillen
Comparison of Cognitive Abilities and Social Responsiveness Skills in Children with 22q11.2DS and Children with Idiopathic Intellectual Disability

12:40 PM Q&A

Invited Speaker:
Towards Understanding the Neuronal Circuits of Psychosis in 22q11.2 Deletion Syndrome
Stanislav Zakharenko
St. Jude Children’s Research Hospital
Memphis, TN, USA

* - Indicates Junior Investigators
1:20 PM  Q&A

1:30 PM  Luncheon and Poster Viewing – Harmony Foyer

**Session VII:**  Developmental Trajectories and Psychotic Illness  
*Chairs: Raquel Gur and Maude Schneider*

*Submitted Papers – The Developmental Continuum of 22q11.2DS*

2:15 PM  58  Laurie Earls  
The Impact of the Aging Epitranscriptome on Neurophysiologic Phenotypes of 22q11.2DS

2:25 PM  59  Raquel Gur  
The International 22q11.2DS Brain Behavior Consortium: Challenges and Opportunities

2:35 PM  60  Ania Fiksinski*  
Trajectories of Processing Speed and Risk for Psychotic Disorders in 22q11DS: A Longitudinal Study

2:45 PM  61  Maria Pontillo  
Neurocognitive Profile and Onset of Psychosis in Children, Adolescents and Young Adults with 22q11DS: A Longitudinal Study

2:55 PM  62  Wendy Kates  
Longitudinal Trajectories of Psychiatric Diagnoses and Predictors of Persistence in Youth with 22q11.2DS

3:05 PM  Q&A

3:15 PM  63  Maude Schneider  
Longitudinal Evolution of Negative Symptoms in 22q11.2DS and Predictive Value for Transition to Psychosis

3:25 PM  64  Maude Schneider  
Visual Processing of Complex Social Scenes in 22q11.2DS: Relevance for Social Impairments?

3:35 PM  65  Raquel Gur  
The Evolution of Psychosis in 22q11.2 Deletion Syndrome: Risk and Resilience

* - Indicates Junior Investigators
3:45 PM 66 Kathryn McCabe
A Pilot Study Characterizing the Social Impairment Phenotype of Children with 22q11.2DS and Children with Idiopathic Autism Spectrum Disorder

3:49 PM 67 Elfi Vergaelen*
Differences in Self-and Parent Reporting and the Relation with an At Risk State in Adolescents and Adults with 22q11.2DS

3:55 PM Q&A

4:05 PM 68 Therese van Amelsvoort
Stress Reactivity, Cortisol Levels and Experience Sampling in Adults with 22q11.2DS

4:15 PM 69 Marco Armando
Coping Strategies Mediate the Effect of Stressful Life Events on Schizotypal Traits and Psychotic Symptoms in 22q11.2 Deletion Syndrome

4:25 PM 70 Kathleen Angkustsiri
Parenting, Anxiety and Adaptive Function in Children with Chromosome 22q11.2DS

4:35 PM Q&A

4:45 PM Poster Session with Authors (Even #) and Afternoon Tea – Harmony Foyer

5:45 PM Concurrent Sessions
   I. Unknown/Difficult Cases – Audience Participation (2 slides/case)
      Limited Number – Please email (jeongsk@email.chop.edu) intent to present in advance and load during the break – Harmony Ballroom
   II. Integrative Health – Caring for Oneself via Mindfulness, Massage, Aromatherapy, Yoga and Narrative Medicine
      Maria Mascarenhas, MJ McGinn, and Edward Moss – Harmony Foyer

6:30 PM Adjourn Day 2

7:45 PM First Nations Procession Assembles – Four Seasons Entrance

8:00 PM Procession Begins Promptly

* - Indicates Junior Investigators
Day 3
July 13th

7:30 AM
Registration Opens – Harmony Foyer

8:00 AM
22q11.2 Society Website Update – Harmony Ballroom
Joanne Loo

8:10 AM
2018 Unsung Hero Award Presentation
2016 Recipient Maria Kamper – Presenting

Session VIII: Genetics and Brain Expression
Chairs: Laurie Earls and Loydie Jerome-Majewski

Invited Speaker:
Measuring and Predicting the Effect Size of Non-Recurrent CNVs on Cognitive and Behavioral Traits

8:20 AM
Sebastien Jacquemont
University of Montreal
Montreal, Canada

Submitted Papers: Genetic Variants and Risk

8:50 AM
Elemi Breetvelt
Burden of Rare Coding Variants in the 22q11.2 Deletion Region is Associated with Educational Attainment and Schizophrenia Risk in Two General Population Cohorts

8:55 AM
Marie De Borre*
Contribution of Rare Hemizygous Variants to Phenotypic Variability in 22q11.2DS

9:05 AM
Jhih-Rong Lin
Integrated Genome-Wide Analyses of Rare Variants for Schizophrenia Risk in 22q11.2DS

9:15 AM
Maria Niarchou*
Genetic Risk for Schizophrenia and Development of Anxiety Disorders and Negative Symptoms in 22q11.2DS

* - Indicates Junior Investigators
9:25 AM  Q&A

9:40 AM  76  Submitted Papers: Neurologic Features

Madeline Chadehumbe
Neurologic Challenges in 22q11.2DS

9:50 AM  77  Christopher Eaton*
Epilepsy and Seizures in Young People with 22q11.2DS: Prevalence and Links with Neurodevelopmental Disorders

9:55 AM  78  Linda Campbell
Emotion Dysregulation in 22q11.2 Deletion Syndrome

10:00 AM  79  Davide Vecchio*
Intellectual Disability, Autism Spectrum Disorder and Seizures Due to 22q11.2-q11.23 Microduplications: Clinical and Molecular Characterization of a New Neurodevelopmental Disorders Genetic Driver

10:05 AM  80  Jill Arganbright
Sleep Patterns and Problems among Children with 22q11 Deletion Syndrome

10:10 AM  81  Hayley Moulding*
Sleep Problems and the Relationship with Psychiatric and Neurodevelopmental Difficulties in Young People with 22q11.2DS

10:20 AM  Q&A

10:30 AM  Coffee Break – Harmony Foyer

Session IX:  Movement Disorders
Chairs: Erik Boot and Doron Gothelf

Submitted Papers: Understanding Parkinson’s and Motor Findings

11:00 AM  82  Erik Boot
Parkinsonian Motor Features in Adults with 22q11.2DS

11:10 AM  83  Sinéad Morrison*
Using Objective Measures of Sensorimotor Control to Improve Our Understanding of Motor Difficulties and the Links with Other Neurodevelopmental Problems in 22q11.2DS

* - Indicates Junior Investigators
11:16 AM  84  Matthias Fischer
Anxiety Phenotypes and Biomarkers for Parkinson’s disease in 22q11.2DS

11:26 AM  85  Gabriela Repetto
Analysis of Prodromal Manifestations of Parkinson’s disease in Adults with 22q11.2DS

11:30 AM  Q&A

Session X:  Imaging
Chairs: Carrie Bearden and Jacob Vorstman

Submitted Papers: Viewing the Brain from Every Angle

11:40 AM  86  Carrie Bearden
The Enigma 22q11.2DS Working Group: Insights into Neurodevelopment and Psychosis

11:50 AM  87  Therese Van Amelsvoort
Frontal Dopamine D2/3 Receptor Binding in Adults with 22q11.2DS: A [18F] Fallypride Positron Emission Tomography Study

12:00 PM  88  Clodagh Murphy
The Neuroanatomy of Autism Spectrum Disorder in 22q11.2DS

12:10 PM  89  Joanne Doherty
Excitatory-Inhibitory Balance in 22q11.2DS: A Pilot Magnetic Resonance Spectroscopy and Magnetoencephalography Study

12:16 PM  90  Clodagh Murphy
Developing Protocols to Enable MRI Brain Scanning in Infants and Young Children with 22q11.2DS

12:20 PM  Q&A

Session XI:  Looking Ahead
Chairs: Gabriella Repetto and Rosanna Weksberg

Submitted Papers: Adult Outcomes

12:30 PM  91  Tracy Heung *
Predictors of All-Cause Mortality in Adults with 22q11.2DS

* - Indicates Junior Investigators
12:40 PM  92  Anne Bassett  
Medical Multimorbidity in Adults with 22q11.2DS

12:50 PM  93  Joanne Loo*  
Personalized Medical Information Cards for Adults with 22q11.2DS

1:00 PM  94  Doron Gothelf  
Education and Employment Trajectories from Childhood to Adulthood in Individuals with 22q11.2DS

1:10 PM  95  Paula Goldenberg  
Functional Outcomes in 27 Adults with 22q11.2DS

1:15 PM  96  Lisa Palmer  
Identifying Issues Related to Sexual Health in Adults with 22q11.2DS

1:25 PM  
Q&A

1:30 PM  
Luncheon and Poster Viewing – Harmony Foyer

Session XII:  The Future of Clinical and Genetic Research  
Chairs: Joris Vermeesch and Christian Marshall

Invited Speaker:  
Mechanisms of 22q11.2 Deletions and Duplications

2:15 PM  97  Joris Vermeesch  
KU Leuven  
Leuven, Belgium

Submitted Papers: Structure, Function and Family

2:45 PM  98  Lisanne Vervoort*  
Optical Mapping of 22q11.2 Low Copy Repeats Reveals Structural Hypervariability

2:55 PM  99  Beverly Emanuel  
Differences in the Frequency of Structural Variation May Affect the Prevalence of the 22q11.2 Deletion Syndrome Amongst Populations

3:05 PM  
Q&A

3:15 PM  100  Alexander Urban  
Haplotype Specific Analysis of Chromosome 22q Folding Patterns in 22q11.2DS

* - Indicates Junior Investigators
3:25 PM 101 Michelle Siu
Elucidating Pathophysiology using Genome-Wide DNA Methylation Analysis

3:35 PM 102 Damien Heine-Suñer
Recurrent de novo 22q11.2 LCR22D-LCR22D Deletion Originating from a Maternal 22q11.2 LCR22B-LCR22D Duplication within a Family

3:40 PM 103 Nicholas Delihas
A Family of Long Non-Coding RNA Genes in 22q11.2 Shows a High Specificity in Chromosomal Location in Low Copy Repeats and These Genes Contain the Translocation Breakpoint Type A Sequence

3:45 PM Q&A

Invited Speaker:
The Future of Genomics – Impact on 22q11.2DS and Vice Versa

3:55 PM 104 Christian Marshall
University of Toronto
Toronto, ON, Canada

4:25 PM Q&A

4:30 PM Afternoon Tea – Harmony Foyer

Session XIII: Discoveries Every Minute
Chairs: Damian Heine-Suñer and Sebastien Jacquemont

Invited Speaker:
CHD7 and Epigenetics

5:00 PM 105 Peter Scambler
University College London and Great Ormond Street Institute of Child Health
London, UK

Late Breaking Submitted Papers

5:15 PM 106 Beata Nowakowska
Alterations in TANGO2 on the Intact Chromosome 22q11.2 Allele as a Possible Cause of Sudden Death

5:25 PM 107 Loydie Jerome-Majewska
A Novel Snap29 Mutant Mouse Line Models a Subset of Abnormalities found in CEDNIK and 22q11.2 Deletion Syndrome Patients

* - Indicates Junior Investigators
Anne Bassett  
*Schizophrenia-Relevant Collections of Genes from the Rest of the Genome Contribute to Schizophrenia Expression in 22q11.2DS*

Nigel Williams  
Schizophrenia Polygenic Risk Score Analysis in 22q11.2 Deletion Syndrome

Jacob Vorstman  
The International 22q11DS Brain and Behavior Consortium: Polygenic Risk Score Analysis IQ, IQ-Decline and Subthreshold Psychosis

Q&A

Junior Investigator Award  
2016 Award Recipient Ania Fiksin - Presenting

Closing Remarks and Announcement of Future Meeting

Adjourn Meeting

**Poster Presentations:**

* - Indicates Junior Investigator  
+ - Indicates Top Scoring Poster

❖ Odd numbered posters – authors present on Wednesday (July 11th)
❖ Even numbered posters – authors present on Thursday (July 12th)

111. Erica Schindewolf*  
Prenatal Thymus Size Analysis Predicting T Cell Count in the First Year of Life

112. Russel Jelsema  
Non-Invasive Prenatal Testing for Fetal 22q11.2DS

113. Jessica Russo*+  
Impact of Assisted Reproductive Technology on Prevalence and Associated Features in 22q11.2DS

* - Indicates Junior Investigators
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<th>Author</th>
<th>Title</th>
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<td>Jill Arganbright</td>
<td>Caring for Children with 22q11.2DS: Current State of 22q Multidisciplinary Team Clinics</td>
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<td>115.</td>
<td>Michael Van Lue</td>
<td>Use of A Single Access Data Portal to Analyze Demographic and Utilization Data of Patients with 22qDS Treated at a Tertiary-Care Pediatric Hospital from 2013-2017</td>
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<td>116.</td>
<td>Maria Kamper</td>
<td>22q Coordination Portal and App</td>
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<td>Daniela Schweitzer</td>
<td>Care for Patients with 22q11.2DS within and Outside a Craniofacial Team</td>
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<td>118.</td>
<td>Courtney Hall</td>
<td>Strategies for Delivering Coordinated Interdisciplinary Team Care to Patients with 22q11.2DS</td>
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<td>119.</td>
<td>Anne Lawlor</td>
<td>Developing Integrated Care in the Context of Rare Chromosomal Conditions: 22q11.2DS – A Parent/Clinician Collaboration: The Irish Story</td>
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<td>120.</td>
<td>Sara Ruzzi*</td>
<td>Challenges in Providing Comprehensive Care for Patients with 22q11.2DS Living in Geographic/Cultural Isolates – A Case Report</td>
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<td>121.</td>
<td>Paula Goldenberg</td>
<td>Use of Social Media Targeting Patients and Families Changes National and Global Health Care Outcomes for People with Chromosome 22 Conditions</td>
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<td>122.</td>
<td>Robert Smith**</td>
<td>Can Maternal Diabetes Exacerbate Phenotypic Features in Patients with 22q11.2 Copy Number Variants?</td>
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<td>123.</td>
<td>Staci Kallish</td>
<td>Hypoparathyroidism Presenting as Acute Cardiomyopathy in Undiagnosed 22q11.2 Deletion Syndrome</td>
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<td>124.</td>
<td>Priyal Patel</td>
<td>Bleeding Phenotype in Children with 22q11DS – Preliminary Results from a Cross-Sectional Study</td>
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<td>125.</td>
<td>Lauren Madhoun</td>
<td>Dysphagia in Young Children with 22q11.2DS</td>
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* - Indicates Junior Investigators
126. **Daniela Schweitzer**  
The Role of the Speech-Language Pathologist in Craniofacial Team Care for Patients with 22q11.2DS

127. **Toko Hayakawa**  
Language Home Environment of Young Children with 22q11.2DS

128. **Adriane Baylis**  
Vocal Output and Parent Input: A Lena Study of Speech in Young Children with 22q11.2DS

129. **Adriane Baylis** *  
Velopharyngeal Structural and Muscle Variations in Children with 22q11.2DS

130. **Christopher Hartnick**  
Mobilization of the Carotid Arteries to Allow for Pharyngeal Flap in Children with 22q Anomalies and VPI

131. **Abigail Haessler**  
Analysis of the Impact of Cranial Base Abnormalities on Cerebellar Volume and Velopharyngeal Variables Related to Speech in 22q11.2DS

132. **Caitlin Cummings**  
Phonetic and Phonological Analysis of Speech in Infants and Toddlers with 22q11.2DS

133. **Leanne Magee**  
Pre- and Post-Operative Speech and Psychosocial Functioning in Patients with 22q11.2DS Patients Presenting with Velopharyngeal Dysfunction

134. **Meghan Boersma** *  
Surgical Correction of Velopharyngeal Dysfunction in Children with 22q11.2DS

135. **Sabrina Kragness**  
Age-Dependent Brain Expression Pattern of a Novel Micropeptide Encoded in the 22q11.2 Deletion Region

136. **Donna Cutler-Landsman**  
From Research to Practice--Optimizing the Learning Path for Students with 22q11.2DS

137. **Sinéad Morrison** *  
Longitudinal Cognitive Development and Association with Prodromal Psychotic Symptoms in Adolescents with 22q11.2DS

* - Indicates Junior Investigators
138. William Parkinson*  
The Impact of Prepubescent and Adolescent Socialization on Adult Hippocampal Physiology

139. Ania Fiksinski* +  
Neurocognition and Adaptive Functioning in a Genetic High-Risk Model of Schizophrenia

140. Maria Pontillo +  
Negative Psychotic Symptoms in 22q11.2 Deletion and their Association with the Neuropsychological Profile

141. Ana Francisco  
Brain Measures of Basic Auditory Processing in Adolescents and Adults with 22q11.2DS

142. Lily Van* +  
Treatment of Schizophrenia in 22q11.2DS

143. Yousuke Kumakura  
Meeting the Diverse Needs of Adolescents and Young Adults with 22q11.2DS

144. Samantha D’Arcy*  
Characterizing Cooking Habits and Confidence in Food Skills in Adults with 22q11.2DS

145. Erica Tindale  
How Do You Feel? A Parent’s Perspective

146. Christine Loock  
Active Patient Involvement in Medical Education at the University of British Columbia: Partnering with 22q11.2DS Families

147. Julie Baskin*  
Mid-childhood adaptive function in individuals with 22q11.2 deletion syndrome is associated with immune-deficiency, but not oral/palatal or cardiac phenotypes

148. Sinéad Morrison*  
Vulnerable Periods for Cognitive Development in Individuals with 22q11.2 Deletion Syndrome and Relationship with Psychotic Disorder

* - Indicates Junior Investigators