



## 11<sup>th</sup> Biennial International 22q11.2 Conference

*“Celebrating 20 Years of Education and Collaboration”*

July 11 – 13, 2018

Whistler, British Columbia, Canada

### Day 1 July 11<sup>th</sup>

7:00 AM Registration Opens

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

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

8:15 AM *Official Meeting Open*

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

***Session I: Detection - Care - Collaboration***

***Invited Speaker: Bedside to Bench and Back Again – A Caregiver’s Tale***  
8:30 AM *Anne Bassett, University of Toronto*  
*Toronto, Canada*

8:45 AM Q&A

***Submitted Papers: Detection***  
8:50 AM *McDonald-McGinn, DM*  
*22q and Two – 22q11.2 Deletion and Coexisting Conditions*

9:00 AM ***Harr, M***  
*Screening for 22q11.2 Deletions and Duplications in a Large Biobank Data-Set at a Tertiary Medical Center Uncovers New and Undiagnosed Cases*

- 9:10 AM**      **Demko, Z**  
*Analytical Validation of a SNP-Based Non-Invasive Prenatal Test to Detect the Fetal 22q11.2 Deletion in a Cohort of Maternal Plasma Samples*
- 9:20 AM**      **Maisenbacher, M**  
*Detection of Mothers at Risk for the 22q11.2 Deletion by NIPT Highlights Lack of Maternal and Fetal Confirmatory Testing*
- 9:30 AM**      Q&A
- 9:40 AM**      **Submitted Papers: Care**  
**Bailey, A**  
*Multidisciplinary Care for Patients with Chromosome 22q11.2 CNVs*
- 9:45 AM**      **Hickey, S**  
*The Impact of Interdisciplinary Team Care on Adherence to Clinical Care Guidelines in Children with 22q11.2DS*
- 9:50 AM**      **Kelman, C**  
*Psychosocial Needs Necessitating Social Work Intervention for Patients and Families Affected by the 22q11.2 Deletion and Duplication Syndromes*
- 9:55 AM**      Q&A
- 10:00 AM**      Coffee Break
- 10:30 AM**      **Submitted Papers: Collaboration**  
**McGinn, MJ\***  
*Current Care Practices For 22q11.2 Deletion and Duplication Syndromes across the Americas: Towards Establishing A Formal Network*
- 10:36 AM**      **Kitamura, C**  
*Exploring Support Needs of Individuals and Families Affected by 22q11.2DS in Japan*
- 10:40 AM**      **Shiozaki, A**  
*The Need for User-Oriented "The Japanese Version Original Care Guide for 22q11.2DS" From Patient and Family Perspectives*
- 10:44 AM**      **Loock, C**  
*Quality Improvement and Research Collaboration Opportunities in British Columbia and Canada Using Data Linkages for Patients and Families Living with 22q11.2DS*
- 10:48 AM**      Q&A

**Session II: On the Road to Improving Care via Novel Interventions**

**Invited Speaker: Transcriptional Mechanisms and Phenotypic Rescue**

**10:55 AM**

**Antonio Baldini**

*Institute of Genetics and Biophysics, National Research Council, University Federico II  
Naples, Italy*

**11:25 AM**

**Q&A**

**11:35 AM**

**Sebastiano, V**

*In Vitro Modeling of 22q11 Endodermal Anomalies Using Human Pluripotent Stem Cells:  
Understanding the Disease to Develop a Cure*

**11:45 AM**

**Gai, H**

*Regenerative Thymic Tissues as Curative Cell Therapy for Children with 22q11DS and  
Severe T Cell Immunodeficiency*

**11:55 AM**

**Q&A**

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

**12:05 PM**

**Elizabeth Illingworth**

*Institute of Genetics and Biophysics, National Research Council  
Naples, Italy*

**12:35 PM**

**Q&A**

**12:45 PM**

**Gothelf, D**

*A Meta-Analysis of Psychiatric Treatments in 22q11DS*

**12:50 PM**

**Vingerhoets, C**

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

**1:00 PM**

**Armando, M**

*Omega-3 Polyunsaturated Fatty Acids Improve Neurocognitive Functions and Reduce the  
Conversion Rate to Psychosis in Patients with 22q11.2DS*

**1:10 PM**

**Meechan, D**

*A Developmental/Molecular Mechanism and Targeted Therapy for Cognitive Disruption  
in 22q11.2DS*

**1:20 PM**

**Q&A**

**1:30 PM**

**Lunch and Poster Viewing**

**Session III: The Classics (per DiGeorge) – Immune, Cardiac, and Endocrine**

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

2:15 PM

**Kathleen Sullivan**

*Children's Hospital of Philadelphia and the Perelman School of Medicine at the University of Pennsylvania  
Philadelphia, PA, USA*

2:45 PM

Q&A

**Submitted Papers: Thymus**

2:55 PM

**Dejene, B**

*The Thymus in 22q11.2DS*

3:05 PM

**Crowley, TB\***

*Variable Immune Deficiency Related to Deletion Size in Chromosome 22q11.2DS*

3:15 PM

**Framme, J**

*Long Term Follow-Up of Patients with 22q11DS and Low Trecs in the Newborn Period*

3:21 PM

**Schindewolf, E\***

*Prenatal Thymus Size Analysis Predicting T Cell Count in the First Year of Life*

3:25 PM

Q&A

**Submitted Papers: Heart**

3:35 PM

**Mastromoro, G**

*Left Pulmonary Artery in 22q11.2DS: Echocardiographic Findings in Humans and Expression of Tbx1 and Knockout Mice*

3:45 PM

**Scambler, P**

*Tbx1 Is Required for Vagal Innervation of the Heart*

3:55 PM

**Amengual-Cladera, E**

*Vitamin A Supplementation in the Diet, but Not Deficiency, Modulates the Incidence of Congenital Heart Defects in a 22q11ds Mouse Model*

4:05 PM

Q&A

4:15 PM

Poster Session with Authors (Odd Numbers) and Afternoon Tea

**Submitted Papers: Cardiac and Endocrine**

5:00 PM

**Jeong, S\***

*22q11.2 Duplication: An Important Cause of Hypoplastic Left Heart Syndrome*

- 5:10 PM**      **van Mil, S**  
*Late Mortality in a Genetic Subtype of Tetralogy of Fallot*
- 5:20 PM**      **Lambert, M**  
*Evaluation of Bleeding Risk with Cardiac Surgery in 22q11.2DS: A Case Control Study*
- 5:30 PM**      **Q&A**
- 5:40 PM**      **Katz, L**  
*Association between Cardiac Surgery and Hypocalcemia in 22q11.2DS*
- 5:50 PM**      **Boot, E**  
*Endocrine Alterations in Adults with 22q11.2DS*
- 6:00 PM**      **Houben, M**  
*Growth in Dutch Children with 22q11.2 Deletion Syndrome - Construction of Reference Growth Charts and Analysis of Determinants of Growth*
- 6:10 PM**      **Q&A**
- 6:20 PM**      **Adjourn**
- 8:00 PM**      ***Poolside and Ping Pong Reception***



**\*** - *Indicates Junior Investigators*

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**Day 2 July 12<sup>th</sup>**

**7:30 AM** Registration Open

**8:00 AM** ***20<sup>th</sup> Anniversary Special Service Award Presentation***

*Peter Scambler and Anne Bassett – Presenting*

**Session IV: Major Associated Systems**

***Invited Speaker: CRKL1 and Mammalian Structural Birth Defects***

**8:10 AM** ***Bernice Morrow***

*Albert Einstein College of Medicine*

*New York, NY, USA*

**8:25 AM** Q&A

***Submitted Papers: A Multisystem Condition***

**8:30 AM** ***Adetunji, M***

*Immature Platelet Fraction is Elevated in Individuals with 22q11.2DS Even with Near Normal Platelet Counts*

**8:40 AM** ***Homans, J\****

*Scoliosis in Association with the 22q11.2DS*

**8:45 AM** ***Homans, J\****

*The Surgical Outcome of Scoliosis Surgery within the 22q11.2DS*

**8:50 AM** ***Mascarenhas, M***

*Exploring the Gastrointestinal Phenotype in 22q11.2DS*

**9:00 AM** ***LaMantia, A***

*A Neurodevelopmental Basis for Perinatal Feeding and Swallowing Disorders in 22q11.2*

**9:10 AM** Q&A

**9:20 AM** ***Paronett, E***

*Ranbp1 Haploinsufficiency Contributes to Cranial Neural Crest Anomalies in 22q11.2DS*

**9:30 AM** ***Jackson, O***

*Palatal Abnormalities in 22q11.2DS*

**9:36 AM** ***Kellogg, B***

*Revision Speech Surgery in Patients with 22q11.2DS: A Retrospective Review of Speech Outcomes*

- 9:42 AM**      **de la Mar, A**  
*Comparison of Speech Outcome after Pharyngoplasty in 22q11.2DS: Cranial Based Pharyngeal Flap versus the Modified Honig Procedure*
- 9:50 AM**      **Q&A**
- 10:00 AM**      **Coffee Break**
- 10:30 AM**      **Submitted Papers: Hearing and Language**  
**Willaert, A**  
*Homozygous Tbx1 Missense Mutation in Mice Causes Complete Hearing Loss*
- 10:40 AM**      **Verheij, E**  
*Anatomical Malformations of the Middle and Inner Ear in 22q11.2DS*
- 10:50 AM**      **Elden, L**  
*A Cohort Study: Indications and Outcomes of Otolaryngologic Surgeries in Pediatric Patients with 22q11.2DS*
- 11:00 AM**      **Q&A**
- 11:10 AM**      **Smith, R\***  
*22q11.2 LCR22D-LCR22E Distal Deletion: Findings in One Illustrative Family*
- 11:20 AM**      **Boerma, T**  
*Language Impairment in the 22q11.2DS*
- 11:30 PM**      **Solot, C**  
*Are Language Scores an Early Predictor of Cognitive Decline?*
- 11:40 AM**      **Q&A**
- 11:50 AM**      **Invited Speaker: Hippocampal-Prefrontal Miscommunication and Cognitive Deficits**  
**David Kupferschmidt**  
*National Institute of Health  
Bethesda, MD, USA*
- 12:20 PM**      **Q&A**
- 12:30 PM**      **Submitted Papers – Cognition, Intellect and More**  
**McGinn, DE\***  
*Maternal Origin of Familial 22q11.2 Deletions Negatively Impacts FSIQ Scores*

- 12:40 PM**      **Breetvelt, E**  
*A Normative Chart for Cognitive Development in 22q11DS: Implications for 22q11DS and Beyond*
- 12:50 PM**      **Fiksinki, A\***  
*The Impact of Parental IQ on the Variable Penetrance of Intellectual Impairment in 22q11DS*
- 1:00 PM**        **Van den Heuvel\***  
*Comparison of Cognitive Abilities and Social Responsiveness Skills in Children with 22q11.2DS and Children with Idiopathic Intellectual Disability*
- 1:10 PM**        **Hooper, S**  
*The Relationship of Intellectual Functions to Psychosis and Subthreshold Psychotic Symptoms in Individuals with 22q11.2DS Using Latent Profile Models*
- 1:20 PM**        **Q&A**
- 1:30 PM**        **Lunch and Poster Viewing**
- Session V:**    **Developmental Trajectories and Psychotic Illness**
- 2:15 PM**        **Invited Speaker: Micro-RNA and 22q11.2DS**  
**Stanislav Zakharenko**  
*St. Jude Children’s Research Hospital*  
*Memphis, TN, USA*
- 2:45 PM**        **Q&A**
- 2:55 PM**        **Submitted Papers – The Developmental Continuum of 22q11.2DS**  
**Earls, L**  
*The Impact of the Aging Epitranscriptome on Neurophysiologic Phenotypes of 22q11.2DS*
- 3:05 PM**        **Gur, R**  
*The International 22q11.2DS Brain Behavior Consortium: Challenges and Opportunities*
- 3:15 PM**        **Fiksinski, A\***  
*Trajectories of Processing Speed and Risk for Psychotic Disorders in 22q11DS: A Longitudinal Study*
- 3:25 PM**        **Q&A**



- 3:35 PM**      **Pontillo, M**  
*Neurocognitive Profile and Onset of Psychosis in Children, Adolescents and Young Adults with 22q11DS: A Longitudinal Study*
- 3:45 PM**      **Kates, W**  
*Longitudinal Trajectories of Psychiatric Diagnoses and Predictors of Persistence in Youth with 22q11.2DS*
- 3:55 PM**      **Schneider, M**  
*Longitudinal Evolution of Negative Symptoms in 22q11.2DS and Predictive Value for Transition to Psychosis*
- 4:05 PM**      **Q&A**
- 4:15 PM**      **Poster Session with Authors (Even Numbers) and Afternoon Tea**
- 5:00 PM**      **Gur, R**  
*The Evolution of Psychosis in 22q11.2 Deletion Syndrome: Risk and Resilience*
- 5:10 PM**      **DuBourg, L\***  
*Visual Processing of Complex Social Scenes in 22q11.2DS: Relevance for Social Impairments?*
- 5:20 PM**      **McCabe, K**  
*A Pilot Study Characterizing the Social Impairment Phenotype of Children with 22q11.2DS and Children with Idiopathic Autism Spectrum Disorder*
- 5:24 PM**      **Vergaelen, E\***  
*Differences in Self-and Parent Reporting and the Relation with an At Risk State in Adolescents and Adults with 22q11.2DS*
- 5:30 PM**      **Q&A**
- 5:40 PM**      **van Duin, E\***  
*Stress Reactivity, Cortisol Levels and Experience Sampling in Adults with 22q11.2DS*
- 5:50 PM**      **Armando, M**  
*Coping Strategies Mediate the Effect of Stressful Life Events on Schizotypal Traits and Psychotic Symptoms in 22q11.2 Deletion Syndrome*
- 6:00 PM**      **Angkustsiri, K**  
*Parenting, Anxiety and Adaptive Function in Children with Chromosome 22q11.2DS*
- 6:10 PM**      **Q&A**

6:20 PM Adourn

8:00 PM *Gala Dinner: Squamish and Lil'wat Nations Cultural Centre*



\* - *Indicates Junior Investigators*

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*Flashback to Sirmione '16*

**Day 3 July 13<sup>th</sup>**

7:30 AM Registration Open

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

8:05 AM **2018 Unsung Hero Award Presentation**  
*2016 Recipient Maria Kamper - Presenting*

**Session VI: Genetics and Brain Expression**

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

8:15 AM **Sebastien Jacquemont**  
*University of Montreal  
Montreal, Canada*

8:45 AM Q&A

**Submitted Papers: Genetic Variants and Risk**

8:55 AM **Breetvelt, E**  
*Burden of Rare Coding Variants in the 22q11.2 Deletion Region is Associated with Educational Attainment and Schizophrenia Risk in Two General Population Cohorts*

9:00 AM **De Borre, M\***  
*Contribution of Rare Hemizygous Variants to Phenotypic Variability in 22q11.2DS*

9:10 AM **Lin, J**  
*Integrated Genome-Wide Analyses of Rare Variants for Schizophrenia Risk in 22q11.2DS*

9:20 AM **Niarchou, M\***  
*Genetic Risk for Schizophrenia and Development of Anxiety Disorders and Negative Symptoms in 22q11.2DS*

9:30 AM Q&A

**Submitted Papers: Associated Neurologic Features**

9:40 AM **Chadhumbe, M**  
*Neurologic Challenges in 22q11.2DS*

9:45 AM **Eaton, C\***  
*Epilepsy and Seizures in Young People with 22q11.2DS: Prevalence and Links with Neurodevelopmental Disorders*

- 9:50 AM**      **Vecchio, D\***  
*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*
- 9:55 AM**      **Moulding, H\***  
*Sleep Problems and the Relationship With Psychiatric and Neurodevelopmental Difficulties in Young People with 22q11.2DS*
- 10:05 AM**      Q&A
- 10:15 AM**      Coffee Break
- 10:45 AM**      **Boot, E**  
*Parkinsonian Motor Features in Adults with 22q11.2DS*
- 10:55 AM**      **Cunningham, A\***  
*Using Objective Measures of Sensorimotor Control to Improve Our Understanding of Motor Difficulties and the Links with Other Neurodevelopmental Problems in 22q11.2DS*
- 11:01 AM**      **Fisher, M**  
*Anxiety Phenotypes and Biomarkers for Parkinson's disease in 22q11.2DS*
- 11:11 AM**      **Repetto, G**  
*Analysis of Prodromal Manifestations of Parkinson's disease in Adults With 22q11.2DS*
- 11:15 AM**      Q&A
- 11:25 AM**      **Bearden, C**  
*The Enigma 22q11.2DS Working Group: Insights into Neurodevelopment and Psychosis*
- 11:35 AM**      **van Duin, E\***  
*Frontal Dopamine D2/3 Receptor Binding in Adults with 22q11.2DS: A [18F] Fallypride Positron Emission Tomography Study*
- 11:45 AM**      **Rogdaki, M**  
*The State or Trait Component of Dopamine and Glutamate Dysfunction in the Risk for Psychosis: An In Vivo Multimodal Imaging Study of Individuals with 22q11.2DS*
- 11:55 AM**      Q&A

- 12:05 PM**      **Gudbrandsen, M**  
*The Neuroanatomy of Autism Spectrum Disorder in 22q11.2DS*
- 12:15 PM**      **Doherty, J**  
*Excitatory-Inhibitory Balance in 22q11.2DS: A Pilot Magnetic Resonance Spectroscopy and Magnetoencephalography Study*
- 12:21 PM**      **Murphy, C**  
*Developing Protocols to Enable MRI Brain Scanning in Infants and Young Children with 22q11.2DS*
- 12:25 PM**      **Q&A**
- Session VII:    Looking Ahead**
- 12:35 PM**      **Invited Speaker: The Future of Genomics - Impact on 22q11.2DS and Vice Versa**  
**Christian Marshall**  
*University of Toronto*  
*Toronto, ON, Canada*
- 1:05 PM**      **Q&A**
- 1:15 PM**      **Lunch and Poster Viewing**
- 2:00 PM**      **Submitted Papers: Adults and Outcomes**  
**Heung, T\***  
*Predictors of All-Cause Mortality in Adults with 22q11.2DS*
- 2:10 PM**      **Malecki, S**  
*Medical Multimorbidity in Adults with 22q11.2DS*
- 2:20 PM**      **Loo, J\***  
*Personalized Medical Information Cards for Adults with 22q11.2DS*
- 2:30 PM**      **Mosheva, M\***  
*Education and Employment Trajectories from Childhood to Adulthood in Individuals with 22q11.2DS*
- 2:40 PM**      **Goldenberg, P**  
*Functional Outcomes in 27 Adults with 22q11.2DS*
- 2:45 PM**      **Palmer, L**  
*Identifying Issues Related to Sexual Health in Adults with 22q11.2DS*

2:55 PM Q&A

**Session VIII: The Future of Clinical and Genetic Research**

3:05 PM **Invited Speaker: Mechanisms of 22q11.2 Deletions and Duplications**

**Joris Vermeesch**

KU Leuven

Leuven, Belgium

3:35 PM Q&A

3:45 PM **Siu, M**

*Elucidating Pathophysiology using Genome-Wide DNA Methylation Analysis*

3:55 PM **Zhang, X**

*Haplotype Specific Analysis of Chromosome 22q Folding Patterns in 22q11.2DS*

4:05 PM **Xie, M**

*Variation in the Frequency of an Inversion Polymorphism May Affect the Prevalence of the 22q11.2DS amongst Populations*

4:15 PM Q&A

4:25 PM **Invited Speaker: CHD7 and Epigenetics**

**Peter Scambler**

University College London and Great Ormond Street Institute of Child Health  
London, UK

4:40 PM Q&A

**Late Breaking Submitted Papers: Discoveries Every Minute**

4:50 PM **TBA**

5:00 PM **TBA**

5:10 PM **TBA**

5:20 PM **TBA**

5:30 PM Q&A

5:40 PM **Unknown/Difficult Cases – Audience Participation (2 slides/case)**

*Limited Number – Please email intent to present in advance and load during the break*

- 6:10 PM Junior Investigator Award**
- 6:15 PM Closing Remarks and Announcement of Future Meeting**
- 6:30 PM Adjourn**



*\* - Indicates Junior Investigators*

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**Poster Presentations:**

*\* - Indicates Junior Investigator*

*+ - Indicates Top Scoring Poster*

- ❖ *Odd numbered posters – authors present on Wednesday (July 11<sup>th</sup>)*
- ❖ *Even numbered posters - authors present on Thursday (July 12<sup>th</sup>)*

- 1. Jelsema, R**  
*Non-Invasive Prenatal Testing for Fetal 22q11.2DS*
- 2. Russo, J\* +**  
*Impact of Assisted Reproductive Technology on Prevalence and Associated Features in 22q11.2DS*
- 3. Arganbright, J**  
*Caring for Children with 22q11.2DS: Current State of 22q Multidisciplinary Team Clinics*

- 4. Van Lue, M**  
*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*
- 5. Kamper, M**  
*22q Coordination Portal and App*
- 6. Johns, A**  
*Care for Patients with 22q11.2DS within and Outside a Craniofacial Team*
- 7. Hall, C**  
*Strategies for Delivering Coordinated Interdisciplinary Team Care to Patients with 22q11.2DS*
- 8. Lawlor, A**  
*Developing Integrated Care in the Context of Rare Chromosomal Conditions: 22q11.2DS – A Parent/Clinician Collaboration. The Irish Story*
- 9. Ruzzi, S**  
*Challenges in Providing Comprehensive Care for Patients with 22q11.2DS Living in Geographic/Cultural Isolates – A Case Report*
- 10. Goldenberg, P**  
*Use of Social Media Targeting Patients and Families Changes National and Global Health Care Outcomes for People with Chromosome 22 Conditions*
- 11. Gonzalez-Gandolfi, C\*<sup>+</sup>**  
*Can Maternal Diabetes Exacerbate Phenotypic Features in Patients with 22q11.2 Copy Number Variants?*
- 12. Patel, P**  
*Bleeding Phenotype in Children with 22q11DS – Preliminary Results from a Cross-Sectional Study*
- 13. Madhoun, L**  
*Dysphagia in Young Children with 22q11.2DS*
- 14. Tanner, A**  
*The Role of the Speech-Language Pathologist in Craniofacial Team Care for Patients with 22q11.2DS*
- 15. Hayakawa, T**  
*Language Home Environment of Young Children with 22q11.2DS*



- 16. Baylis, A**  
*Vocal Output and Parent Input: A Lena Study of Speech in Young Children with 22q11.2DS*
- 17. Kollara Sunil, L<sup>+</sup>**  
*Velopharyngeal Structural and Muscle Variations in Children with 22q11.2DS*
- 18. Hartnick, C**  
*Mobilization of the Carotid Arteries to Allow for Pharyngeal Flap in Children with 22q Anomalies and VPI*
- 19. Haenssler, A**  
*Analysis of the Impact of Cranial Base Abnormalities on Cerebellar Volume and Velopharyngeal Variables Related to Speech in 22q11.2DS*
- 20. Cummings, C**  
*Phonetic and Phonological Analysis of Speech in Infants and Toddlers with 22q11.2DS*
- 21. Magee, L**  
*Pre- and Post-Operative Speech and Psychosocial Functioning in Patients with 22q11.2DS Patients Presenting with Velopharyngeal Dysfunction*
- 22. Kragness, S**  
*Age-Dependent Brain Expression Pattern of a Novel Micropeptide Encoded in the 22q11.2 Deletion Region*
- 23. Morrison, S**  
*Longitudinal Cognitive Development and Association with Prodromal Psychotic Symptoms in Adolescents with 22q11.2DS*
- 24. Cutler-Landsman, D**  
*From Research to Practice--Optimizing the Learning Path for Students with 22q11.2DS*
- 25. Parkinson, D<sup>+</sup>**  
*The Impact of Prepubescent and Adolescent Socialization on Adult Hippocampal Physiology*
- 26. Fiksinski, A\*<sup>+</sup>**  
*Neurocognition and Adaptive Functioning in a Genetic High-Risk Model of Schizophrenia*
- 27. Wallin, L**  
*Mental Health in 22q11.2DS from Childhood to Adult Age: A Prospective Longitudinal Study of 90 Individuals*

**28. Pontillo, M<sup>+</sup>**

*Negative Psychotic Symptoms in 22q11.2 Deletion and their Association with the Neuropsychological Profile*

**29. Francisco, A**

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

**30. Van, L<sup>\*+</sup>**

*Treatment of Schizophrenia in 22q11.2DS*

**31. Kumakura, Y**

*Meeting the Diverse Needs of Adolescents and Young Adults with 22q11.2DS*

**32. D'Arcy, S<sup>\*</sup>**

*Characterizing Cooking Habits and Confidence in Food Skills in Adults with 22q11.2DS*

**33. Tindale, E**

*How Do You Feel? A Parent's Perspective*

**34. Loock, C**

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

