



# The 10<sup>th</sup> Biennial International 22q11.2 Conference

Hotel Acquaviva del Garda  
Sirmione, Italy  
July 20 – 22, 2016



## Professional Program

**10<sup>th</sup> Biennial International 22q11.2 Conference**  
**July 20 – 22, 2016**  
**Sirmione, Italy**

### Day 1 - July 20<sup>th</sup>

- 7:00 AM**      **Registration Open**
- 8:00 AM**      ***Welcome: 22q11.2 Society***  
*Peter Scambler and Donna McDonald-McGinn*
- 8:15 AM**      ***Welcome: Local Arrangements Committee***  
*Bruno Marino and Giulietta Angelelli Cafiero*
- 8:30 AM**      ***Angelo DiGeorge Memorial Medal of Honor Presentation***  
*Anne Bassett – 2014 Recipient Presentation*

### Session I

- 8:45 AM**      ***Invited Speaker: CNV Detection in Prenatal Diagnosis: From FISH to Cell-free DNA***  
*Francesca Grati*  
*TOMA*  
*Advanced Biomedical Assays, S.p.A.*  
*University of Milan*  
*Milan, Italy*
- 9:05 AM**      **Q&A**
- 9:10 AM**      ***Submitted Papers - Setting the Stage***  
*McDonald-McGinn*  
*Back to the Future: The Philadelphia Story - Findings in 1305 Patients with 22q11.2 Deletion Syndrome*
- 9:20 AM**      ***Bassett***  
*Multi-system Expression of 22q11.2 Deletion Syndrome in Adults*
- 9:30 AM**      **Q&A**
- 9:35 AM**      ***Submitted Papers – Screening***  
*SparsØ*  
*Characterizing the 22q11 Microdeletion in a Danish Sample: A Population-Based Screening of 30,000 Newborn Danes*

**9:41 AM**      **Maisenbacher**  
*Size and Location of 22q11.2 Deletions and Duplications Identified in Products of Conception (POC) Samples: Providing Possible Insight into Genes Critical for Early Development*

**9:47 AM**      **\*Barry**  
*Identification of the 22q11.2 Deletion Syndrome via Abnormal Newborn Screening for SCID*

**9:55 AM**      **Q&A**

**10:00 AM**      **Submitted Papers – Perinatal**  
**Ryan**  
*Raising Confidence Threshold Increases the Positive Predictive Value of a SNP-Based NIPT for the 22q11.2 Microdeletion*

**10:06 AM**      **\*Schindewolf**  
*Prenatal Sonographic Findings and Perinatal Outcomes in a Cohort of Confirmed 22q11.2 Deletion Fetuses*

**10:12 AM**      **Tomita-Mitchell**  
*Early Diagnosis of 22q11.2DS Can Decrease Morbidity and Likely Mortality - A Plea for Universal Newborn Screening*

**10:16 AM**      **Palmer**  
*22q11.2 Deletion Syndrome: Elucidating the Diagnostic Odyssey*

**10:20 AM**      **Q&A**

**10:30 AM**      **Coffee Break**

## **Session II**

**11:00 AM**      **Keynote Speaker: Genetic and Drug-based Strategies to Correct the Mutant Phenotype in Mouse Models**  
**Antonio Baldini**  
*Institute of Genetics and Biophysics  
National Research Council  
University Federico II  
Naples, Italy*

**11:30 AM**      **Q&A**

**11:40 AM**      **Submitted Papers – Cardiac Development**  
**Scambler**  
*HIRA is Required for Heart Development and Directly Regulates TNNI2 and TNNT3*

- 11:50 AM**     ***Morrow***  
*Histone Modifier Genes Alter Conotruncal Heart Phenotypes in 22q11.2 Deletion Syndrome*
- 12:00 PM**     ***\*Racedo***  
*Reduced Dosage of  $\beta$ -Catenin Genetically Rescues Intracardiac Anomalies in TBX1 Conditional Null Mouse Model of 22q11.2 Deletion Syndrome*
- 12:10 PM**     ***\*Roberts***  
*CYP26B1-/- Embryos Display 22q11 Deletion Syndrome-Like Cardiovascular Defects*
- 12:20 PM**     **Q&A**

**12:30 PM**     **Lunch**

**Session III**

- 1:30 PM**     ***Invited Speaker: Outcomes Following Cardiac Interventions***  
***Matteo Trezzi***  
*Ospedale Bambino Gesù*  
*Rome, Italy*
- 1:50 PM**     **Q&A**
- 1:55 PM**     ***Submitted Papers – Impact of Cardiac Surgery***  
***Tomita-Mitchell***  
*Perioperative Outcomes Following Cardiovascular Surgery in Patients with 22q11.2 Deletion Syndrome*
- 2:01 PM**     ***Lambert***  
*The Frequency of Transfusion during Surgery for Congenital Heart Disease in Patients with 22q11.2 Deletion Syndrome*
- 2:07 PM**     ***Gaynor and Unolt***  
*Prevalence of Congenital Heart Disease in Patients with 22q11.2 Deletion Syndrome and Correlation of CHD Severity with Full Scale IQ Scores*
- 2:13 PM**     ***Duijff***  
*Neurodevelopmental Outcome in Infants and Toddlers with 22q11.2 Deletion Syndrome (22q11DS): Effect of Birth Weight, Gestational Age, Head Circumference, Gender and Congenital Heart Disease*
- 2:23 PM**     ***Mascarenhas***  
*Gastrointestinal Manifestations in 22q11.2 Deletion Syndrome are Not Related to Congenital Heart Disease*

2:30 PM Q&A

2:40 PM Interactive Poster Session and Afternoon Tea

## Session IV

3:45 PM ***Invited Speaker: Immune and Autoimmune Related Issues***  
***Caterina Cancrini***  
*Ospedale Bambino Gesù*  
*Tor Vergata University*  
*Rome, Italy*

4:05 PM Q&A

4:10 PM ***Submitted Papers - Immunodeficiency and Endocrinopathies***  
***Sullivan***  
*T Cell Lymphopenia and Cardiac Anomalies in 22q11.2DS*

4:20 PM ***Bradley***  
*Genome-Wide B-Cell Gene Expression Profile in 22q11 Deletion Syndrome*

4:26 PM ***Lambert***  
*Increased Prevalence of Malignancy in Twins with 22q11.2 Deletion Syndrome*

4:32 PM ***\*Vergaelen***  
*The 22q11.2 Deletion Syndrome as a Model to Investigate the Role of T-Cells in Psychosis*

4:36 PM ***\*Domachevsky***  
*The Association Between Inflammatory Markers and Psychosis in 22q11.2 Deletion Syndrome*

4:40 PM Q&A

4:45 PM ***Katz***  
*Hypocalcemia and Congenital Heart Disease in Youth with 22q11.2 Deletion Syndrome*

4:51 PM ***Houben***  
*High Prevalence of Hypoparathyroidism in Children with 22q11.2 Deletion Syndrome During Early Puberty*

4:57 PM ***\*Grand***  
*Hypocalcemia and Full Scale IQ in 22q11.2 Deletion Syndrome*

5:05 PM Q&A

## Session V

- 5:10 PM**     **Submitted Papers – Family Matters**  
*Cole*  
*Perinatal Psychological Risk Among Parents of Babies with a Diagnosis of 22q11.2 Deletion Syndrome*
- 5:16 PM**     **Campbell**  
*Same But Different: The Importance of Social Support for Fathers of Kids with Developmental Disabilities*
- 5:20 PM**     **Sell**  
*Unmet Needs of Parents and Professionals - The 22q11.2DS Dilemma*
- 5:24 PM**     **Sullivan**  
*Healthcare Cost Analysis of Patients with 22q11.2DS*
- 5:30 PM**     **Grebe**  
*Phoenix Children's Hospital 22q Clinic: Rewards and Challenges of Our First Two Years*
- 5:35 PM**     **Q&A**
- 5:45 PM**     **Open Forum – Challenging Cases Submitted from Audience**
- 6:30 PM**     **Adjourn**
- 8:00 PM**     **Lakeside Welcome Reception – “Sirmione Spritz and Canapés”**
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## Day 2 - July 21st

- 7:00 AM**     **Registration Open**
- 8:00 AM**     **22q11.2 Society - Unsung Hero Award**  
*Sheila Kambin – 2014 Recipient Presentation*

## Session VI

- 8:15 AM**     **Invited Speaker: Brain Anomalies in Tbx1 Mutant Mice**  
*Elizabeth Lindsay Illingworth*  
*Institute of Genetics and Biophysics*  
*National Research Council*  
*Naples, Italy*

- 8:35 AM**      **Q&A**
- 8:40 AM**      ***Submitted Papers – Pediatric Brain***  
**Earls**  
*A Novel Age-Specific Micropeptide Regulator of Synaptic Plasticity and Learning Discovered in the 22q11.2 Deletion Region*
- 8:50 AM**      ***LaMantia***  
*TXNRD2-Dependent Redox Metabolism Mediates Neuron Morphogenesis in the LGDEL 22q11DS Mouse Model*
- 9:00 AM**      ***Meechan***  
*Mapping Cortical Connections to Behavioral Variability in a Model of 22q11.2DS*
- 9:06 AM**      ***Emanuel***  
*IQ and Hemizyosity for the Val168Met Functional Polymorphism of COMT in 22q11.2DS*
- 9:10 AM**      **Q&A**
- 9:20 AM**      ***Duijff***  
*IBBC-Junior: The International Brain Behavior Consortium on 22q11DS for 0-8 Year Olds*
- 9:24 AM**      ***Solot***  
*Speech and Language Development in Patients with 22q11.2 Deletion Syndrome*
- 9:34 AM**      ***\*Van Den Heuvel***  
*Developmental Course of Socio-Communicative Abilities in School-Aged Children with 22q11.2 Deletion Syndrome*
- 9:38 AM**      ***Moss***  
*Early identification of cognitive and language impairments in children with 22q11.2 deletion syndrome may predict later outcome*
- 9:45 AM**      **Q&A**
- 9:50 AM**      ***\*Niarchou***  
*Attention Deficit Hyperactivity Disorder in Children with 22q11.2 Deletion Syndrome and Their Parents*
- 9:56 AM**      ***\*Chawner***  
*What are Measures of Autism Spectrum Disorder Capturing in 22q11.2 Deletion Syndrome?*

- 10:06 AM**     **Murphy**  
*Gender Risk for Autism and ADHD in Young People with 22q11DS*
- 10:10 AM**     **Finucane**  
*A Family Study of Social Responsiveness and Implications for Refining Autism Risk in 22q11.2 Deletion Syndrome*
- 10:14 AM**     **\*Fiksinski**  
*Autism Spectrum and Psychosis Risk in the 22q11.2 Deletion Syndrome: Findings from a Prospective Longitudinal Study*
- 10:25 AM**     **Q&A**
- 10:30 AM**     **Coffee Break**

## **Session VII**

- 11:00 AM**     **Submitted Abstracts – Pediatric Brain II**  
**Hopkins**  
*Imaging and Neurologic Sequelae in Children with 22q11.2 Deletion Syndrome*
- 11:10 AM**     **Simon**  
*Three Distinct Brain Structure Patterns as Potential Biomarkers for Subtypes of Chromosome 22q11.2 Deletion Syndrome*
- 11:16 AM**     **\*McCabe**  
*Exploring Oculomotor Processing in 22q11.2 Deletion Syndrome*
- 11:20AM**     **Q&A**

## **Session VIII**

- 11:30 AM**     **Submitted Abstracts - HEENT**  
**Maynard**  
*Diminished Dosage of the 22q11.2 DS Candidate Gene RANBP1 Disrupts Craniofacial Development*
- 11:40 AM**     **\*Rosenboom**  
*Haploinsufficiency of TBX1 is Not Responsible for Facial Dysmorphology in Patients with 22q11.2 Deletion Syndrome*
- 11:44 AM**     **Jackson**  
*Polysomnographic Screening of Patients with 22q11.2 Deletion Syndrome Before and After Posterior Pharyngeal Flap Surgery for Velopharyngeal Dysfunction*



- 11:50 AM     *Kirschner***  
*Assessing the Risk of Obstructive Sleep Apnea After Posterior Pharyngeal Flap Surgery in Patients with 22q11.2 Deletion Syndrome*
- 11:56 AM     *Baylis***  
*Speech Outcome After Pharyngeal Flap Surgery in 22q11.2 Deletion Syndrome*
- 12:00 PM     Q&A**
- 12:10 PM     *\*Sacca***  
*Association of Airway Abnormalities with 22q11.2 Deletion Syndrome*
- 12:16 PM     *Willaert***  
*Vestibular Function in 22q11.2 Deletion Syndrome*
- 12:22 PM     *Loos***  
*Malformations of the Middle and Inner Ear on CT-Imaging in 22q11 Deletion Syndrome*
- 12:28 PM     *Cohen***  
*Audiological Findings in 22q11.2 Deletion Syndrome*
- 12:32 PM     *\*Verheij***  
*Audiologic Characteristics of 22q11 Deletion Syndrome*
- 12:36 PM     *\*Kist***  
*Otological Symptoms, Palatal Cleft and Speech Related Abnormalities in a New Cohort of 22q11DS Patients*
- 12:40 PM     Q&A**
- 12:45 PM     Lunch**

## **Session IX**

- 1:45PM     *Submitted Abstracts – Adult Brain and Genetic Risk***  
***Høffding***  
*Risk of Mental Disorders in 22q11.2 Deletion and Duplication Syndrome: A Nation-wide Study*
- 1:49 PM     *Marshall***  
*Rare Copy Number Variation in 22q11.2DS with and without Schizophrenia: Initial Results from the IBBC*

- 1:59 PM**      **\*Butcher**  
*Whole-Genome Sequencing in 22q11.2 Deletion Syndrome and Complex Neuropenotypes*
- 2:09 PM**      **Zhang**  
*Prediction and Analysis of Risk Genes on the Individual Patient Level for both Syndromic and Non-syndromic Schizophrenia*
- 2:20 PM**      **Q&A**
- 2:30 PM**      **Gur, RA**  
*Psychosis Risk in 22q11.2 Deletion Syndrome: Findings from the Philadelphia Sample and Implication for IBBC*
- 2:40 PM**      **Gothelf**  
*Negative Prodromal Symptoms Distinguish 22q11.2 Deletion Syndrome from Other Neurodevelopmental Disorders: A Two-Site Study*
- 2:50 PM**      **\*Schneider**  
*Transition Rates to Psychosis in 22q11 Deletion Syndrome: A longitudinal, Prospective Long-Term Outcome Study*
- 3:00 PM**      **Armando**  
*Age Matters in the Prevalence and Clinical Significance of Ultra-High-Risk for Psychosis Symptoms and Criteria in 22q11DS*
- 3:06 PM**      **Gur, Re**  
*Neurocognitive Performance in 22q11.2 Deletion Syndrome Measured with a Brief Computerized Battery*
- 3:12 PM**      **Fini**  
*Emotion Recognition Deficits and Social Cognition Impairments: Endophenotypes for Psychosis Risk in 22q11.2 Deletion Syndrome*
- 3:20 PM**      **Q&A**
- 3:30 PM**      **Interactive Poster Session and Afternoon Tea**

## **Session X**

- 4:00 PM**      **Submitted Abstracts – Adult Brain**  
**\*Vingerhoets**  
*Prevalence of Substance Use and the Relation with Psychosis and COMT in Patients with Chromosome 22q11 Deletion Syndrome*

- 4:06 PM**      **Boot**  
*Movement Abnormalities: Common Manifestations in Adults with 22q11.2 Deletion Syndrome?*
- 4:12 PM**      **\*Butcher**  
*Neuroimaging and Clinical Markers of Parkinson's Disease Expression in 22q11.2 Deletion Syndrome*
- 4:22 PM**      **Repetto**  
*Sleep Movement Disorders in Adults with 22q11.2 Deletion: New Dopamine-Related Manifestation? A Case Report*
- 4:26 PM**      **\*van Duin**  
*Reward Learning and Dopamine Release in Adults with 22q11DS*
- 4:30 PM**      **Q&A**

## **Session XI**

- 4:40 PM**      ***Submitted Abstracts – Adult Brain Imaging***  
**Bearden**  
*22q11.2 Gene Dosage Effects on Subcortical Brain Structure: The Enigma 22q11.2 Working Group*
- 4:50 PM**      **Kates**  
*Twelve Year Longitudinal Trajectories of Neuroanatomy and Neuropsychological Function in 22q11.2 Deletion Syndrome: Predictions to Psychosis*
- 5:00 PM**      **Hooper**  
*Longitudinal Mapping of Psychopathology and Associated Brain MRI Changes in Children and Adolescents with 22q11DS*
- 5:06 PM**      **Sandini**  
*Anterior Cingulate and Medial Frontal Disconnectivity are Associated with the Presence of Psychosis in 22q11DS*
- 5:10 PM**      **\*Vingerhoets**  
*Gaba and Glutamate Concentrations in Patients with 22q11.2 Deletion Syndrome and Healthy Volunteers: A Randomized Double-Blind 7TESLA Pharmacological MRS Study*
- 5:15 PM**      **Q&A**
- 5:30 PM**      **Adjourn**

**8:00 PM**     *Garden Terrace Dinner*

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**Day 3 - July 22<sup>nd</sup>**

**7:00 AM**     **Registration Open**

**Session XII**

**8:00 AM**     ***Invited Speaker – Recurrence of Congenital Heart Defects in Relatives of Patients with 22q11DS: New Clinical and Cytogenetic Evidence***

***Maria Cristina Digilio***

*Ospedale Bambino Gesù*

*Rome, Italy*

**8:10 AM**     ***Submitted Papers – Genetics***

***\*Demaerel***

*An inversion polymorphism on chromosome 22q11.2 predisposes for 22q11 deletions*

**8:20 AM**     ***\*Hestand***

*Sequence based evaluation of the remaining allele in 22q11.2 deletion patients*

**8:30 AM**     **Q&A**

**8:40 AM**     ***Breetvelt***

*Increased Burden of Rare Coding Variants in the 22q11 Region is Associated with Educational Attainment in a General Population Sample*

**8:46 AM**     ***Heine-Suñer***

*Significant Excess of De Novo CNVs Outside the 22q11.2 Region in 22q11.2 DS Patients*

**8:50 AM**     ***Urban***

*Multilevel Genomics and Epigenomics Analysis of the Molecular Effects of the 22q11 Deletion*

**8:56 AM**     ***Magdinier***

*Does Epigenetics Contribute to the Phenotypic Variability in the DiGeorge Syndrome?*

**9:00 AM**     **Q&A**



### Session XIII

- 9:10 AM**      ***Submitted Papers – 22q11.2 Duplications***  
***McDonald-McGinn***  
*Caring for Patients with 22q11.2 Duplications and Distal 22q11.2 Deletions in the Setting of a 22q11.2 Clinic*
- 9:20 AM**      ***Solot***  
*Speech and Language Development in 37 Patients with 22q11.2 Duplication Syndrome*
- 9:30 AM**      ***Digilio***  
*Congenital Heart Defects in Micro-duplication 22q11.2 Syndrome*
- 9:35 AM**      **Q&A**

### Session XIV

- 9:40 AM**      ***Invited Speaker – 22q11.2DS as a Model for Translational Medicine***  
***Hakon Hakonarson***  
*Center for Applied Genomics*  
*The Children's Hospital of Philadelphia*  
*The Perelman School of Medicine of the University of Pennsylvania*
- 10:00 AM**      ***Submitted Paper – Complementary Interventions***  
***Mariano***  
*Cognitive Remediation for Adolescents with 22q11.2 Deletion Syndrome (22q11DS): Examining Effectiveness and Durability of a Remote, Computer-Based Intervention*
- 10:10 AM**      **Q&A**
- 10:15 AM**      **Coffee Break**

### Session XV

- 10:45 AM**      ***Submitted Papers – Growing into Adulthood***  
***Bassett***  
*Mortality and Longevity in Adults with 22q11.2 Deletion Syndrome*
- 10:55 AM**      ***Palmer***  
*Psychosexual Knowledge and Related Problems in Adults with 22q11.2 Deletion Syndrome*

- 11:01 AM**    **\*Vergaelen**  
*Fatigue in Adults with 22q11.2 Deletion Syndrome*
- 11:05 AM**    **Persson**  
*Signs of Dysarthria in Adults with 22q11.2 Deletion Syndrome*
- 11:10 AM**    **Q&A**
- 11:15 AM**    **Shugar**  
*Moving Adolescents with 22q11.2 Deletion Syndrome (22q11DS) to Adult Care: Implementation and Evaluation of a Transition Clinic for Teens and Their Caregivers*
- 11:19 AM**    **Kallish**  
*Healthcare Transitions from Pediatrics to the Adult Medical Setting for Patients with 22q11.2 Deletion Syndrome*
- 11:23 AM**    **Schoch**  
*Transitioning to Independence in Adolescents and Young Adults with 22q11DS*
- 11:30 AM**    **Q&A**
- 11:40 AM**    **Junior Investigator Award Presentation**
- 11:45 AM**    **Closing Remarks and Announcement of Future Meeting**
- 12:00 PM**    **Lunch with Families Attending the Caregivers Meeting**
- 1:00 PM**    **Adjourn**

**\* - Indicates Junior Investigators**

## **Posters:**

- ❖ **Even numbered posters – authors present on Wednesday (July 20<sup>th</sup>)**
- ❖ **Odd numbered posters – authors present on Thursday (July 21<sup>st</sup>)**
- ❖ **^Indicates Top Scoring Posters – authors to take turns presenting 3 minute summaries poster side in order of poster number (Even Posters on Wednesday, Odd Posters on Thursday)**

### **1. Padula<sup>^</sup>**

- *Multimodal Large-Scale Networks Connectivity in 22q11.2 Deletion Syndrome*

### **2. \*Ciampoli<sup>^</sup>**

- *Developmental Trajectories in a Mouse Model of 22q11.2 Deletion Syndrome*

### **3. \*Mosheva<sup>^</sup>**

- *Higher Adaptive Functioning and Low Psychiatric Morbidity Characterize Married Individuals with 22q11.2 Deletion Syndrome*

### **4. Stoddard<sup>^</sup>**

- *Evaluating a Potentially Efficient Preliminary Assessment for Psychosis Proneness Symptoms in Youth with 22q11.2DS*

### **5. Souders and Maguire<sup>^</sup>**

- *High Prevalence of Sleep Disorders in 22q11.2 Deletion Syndrome*

### **6. \*Voll<sup>^</sup>**

- *Prevalence, Predictors, and Long-term Consequences of Obesity in 22q11.2 Deletion Syndrome*

### **7. \*Moe**

- *Identification of Previously Undiagnosed Patients with 22q11 Deletion Syndrome in an Adult Congenital Heart Disease Clinic: The Case for Genetic Testing and Comprehensive Medical Evaluation*

### **8. \*Sharkus**

- *Mortality associated with 22q11.2 DS*

### **9. Boot**

- *Hypocalcemia and Hypomagnesemia in Adults with 22q11.2 Deletion Syndrome*

### **10. Boot**

- *Impaired Manual Dexterity in Adults with 22q11.2 Deletion Syndrome*

**11. \*Wootton**

- *Ocular Findings Associated with Chromosome 22q11.2 Duplication*

**12. \*Melchiorre**

- *Findings in Familial Cases of 22q11.2 DS*

**13. \*Silverman**

- *Apgar Scores and Perinatal Course Compared with Long Term Neurocognitive Outcomes in 22q11.2 DS*

**14. \*Crowley**

- *The Death of Paper Charts: Underscoring the Necessity for a 22q11.2DS Worldwide Registry*

**15. \*McGinn**

- *Germline and Somatic Mosaicism in 22q11.2 DS*

**16. Urban**

- *Genomic and Epigenomic Analysis of Human Neuronal Cells Directly Induced From Adult Human Fibroblasts Carrying the 22q11 Deletion*

**17. Saitta**

- *Use of Exome Sequencing in Chromosome 22q Deletion Syndrome in Patients with Atypical Phenotypic Features*

**18. \*Cunningham**

- *Motor Coordination, IQ and Psychopathology in 22q11.2 Deletion Syndrome*

**19. Chow**

- *The Treatment of ADHD in Canadian Children with 22q11.2 Deletions - A Follow-Up Study*

**20. Angkustsiri**

- *What Might Explain Social Impairments in Children with Chromosome 22q11.2 Deletion Syndrome?*

**21. Simon**

- *Children with 22q11.2 Deletion Syndrome Show Lower Spatial and Temporal Acuity than TD Children in Continuously Varying Tasks*

**22. \*Durdle**

- *Comparing Space and Time: An Exploration of the Spatiotemporal Hypergranularity in Children with Chromosome 22q11.2 Deletion Syndrome*



**23. Baylis**

- *MRI Evaluation of Velopharyngeal Structures in Children with 22q11.2DS*

**24. Baylis**

- *Predictors of Hypernasal Speech in Children with 22q11.2 Deletion Syndrome*

**25. Maguire**

- *Application of Practical Guidelines for Managing Patients with 22q11.2 Deletion Syndrome in a Pediatric Surgical Specialty Practice*

**26. \*Weinberger**

- *Neurocognitive Profile in Psychotic Versus Nonpsychotic Individuals with 22q11 Deletion Syndrome*

**27. Fisher**

- *Severe Paranoid Psychosis in a Patient with 22q11.2 Deletion Syndrome: Case Report and Beyond*

**28. Joseph**

- *Cognitive Correlates of Cortical Folding in 22q11.2 Deletion Syndrome*

**29. Amato**

- *Anatomical Differences in the Hippocampus May Explain Cognitive Ability on Spatiotemporal Tasks in Children with Chromosome 22q11.2 Deletion Syndrome*

**30. \*Dubourg**

- *Reward Processes, White Matter Pathways of the Reward System and Negative Symptoms in 22q11DS*

**31. \*Gudbrandsen**

- *Cortical Thickness and Gender Differences in 22q11.2 Deletion Syndrome*

**32. \*Goodwin**

- *The Positive and Negative "Lived" Experience of Parenting an Adult Child with 22q11.2 Deletion Syndrome*

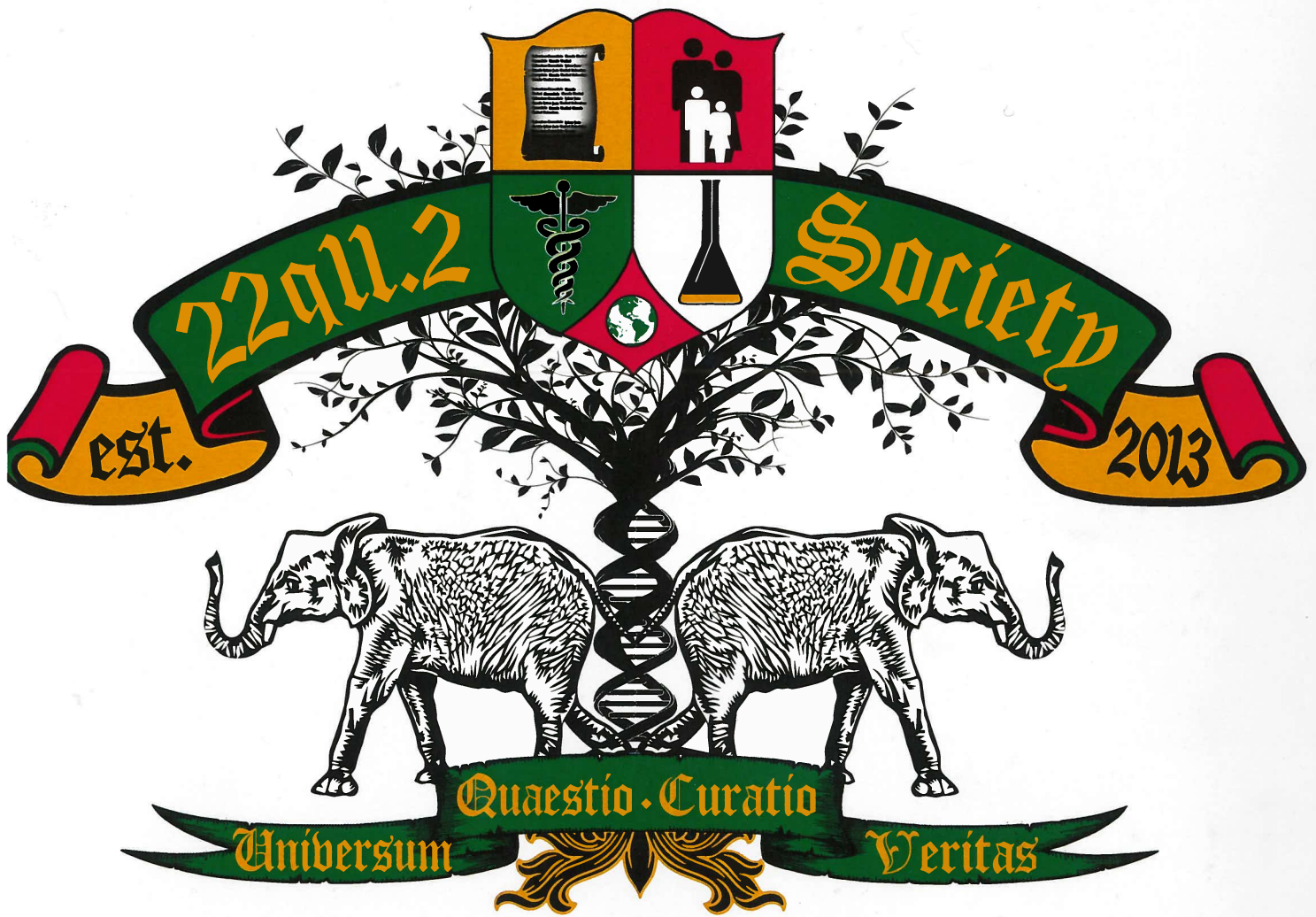
**\* - Indicates Junior Investigators**

**^ Indicates Top Scoring Poster**

**Program Book Only:**

**1. Robles-Sanchez**

- *Psychopathology in 27 Spanish Children and Adolescents with 22q11.2 Deletion Syndrome*



[www.22qsociety.org](http://www.22qsociety.org)