

14th International Fragile X Conference Agenda, July 16 – 20, 2014
Orange County, California at the Hyatt Regency
Version 6-20-14

Wednesday – July 16, 2014

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|--------------------|--|
| 3:30pm – 5:00pm | <p>Grand Ballroom</p> <p>Kick-Off to the 14th International Fragile X Conference-</p> <p>Come meet the NFXF Board of Directors, the NFXF team, the CSN leaders, and some of the Fragile X doctors and other professionals. We will walk you through the conference agenda and the app that contains all the conference information. We will also tell you about the daily Scavenger Hunt where you can win prizes. You will have a chance to meet and get to know parents from your area or region of the US/world, and personally meet the “rock star” doctors and professionals from around the world.</p> <p>The Welcome Reception will follow in the same room.</p> |
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Note: The abstracts presented in each of the Basic Science (BS), the Clinical Science (CS), and the Poster (P) Sessions are listed on the day they are scheduled (they follow the table for each day).

Note: There are a series of sessions for the Self Advocates (people who have FXS), ages 17 and older. They all take place in the Harbor room, except for the last session which will be held in the Pacific room. While, all are welcome, we ask that parents use their discretion in whether their child should attend on his/her own, or whether the parent should accompany him/her. These sessions are in the Harbor Room.

Thursday Morning, July 17, 2014

| | Terr AB | Terr CD | Terrace EF | Royal AB | Royal CD | Royal EF | Garden 4 | Harbor | Garden 1-3 Posters |
|-------------------|--|---------|---|---|--|--|--|--|--------------------|
| 8:30am – 9:30am | 15569- Grand Ballroom Keynote: Clinical Trials of New Medicines Targeting Brain Mechanisms in Fragile X Syndrome, Randi Hagerman, MD, Elizabeth Berry-Kravis, MD, PhD | | | | | | | | |
| 9:30am – 9:45am | ----- First Morning Break ----- | | | | | | | | |
| 9:45am – 11:00am | BS-1 | CS-3 | 15795 From FX101 to Agenda Planning Marcia Braden, Karen Riley, Brenda Finucane, Jayne Dixon Weber New Families | 15772 Medications in Fragile X Part A: Introduction & Strategies to Set and Monitor Treatment Goals Nicole Tartaglia Medications | 15829 Being Prepared for Adulthood with Fragile X Syndrome Laurie Yankowitz, Vicki Sudhalter Adults | 15702 Revision Actualizada Del Espectro X-Fragil - An Updated Review Of The Fragile X-Associated Disorders Feliciano Ramos ---- 15605 From Zero To Hero, You Can Do It Too Daniela Sniadower ----- 15776 I am an Aunt. How can I Help? Perla Sniadower | 15933 Fragile X Newborn Screening: Lessons Learned from a Multi-Site Screening Study Don Bailey | Self Advocates Session – 16002 Making Friends Laureen Majeske, Linda Netzel | P-3 |
| 11:00am – 11:15am | ----- Second Morning Break ----- | | | | | | | | |
| 11:15am – 12:30pm | BS-2 | CS-8 | 15999 Finding the Magic in Your Community Ben Moelis ---- 15650 From Floppy to Fantastic Nancy Hertzig, Jim Hertzig, Nick Hertzig | 15817 Role Of Hyperarousal In The Classroom Vicki Sudhalter Education | 15599 Making Sense of Your Sensory System Linda Netzel, Laureen Majeske New Families | 15591 Neurological and Endocrine Involvement in Women with the Fragile X Premutation Deborah Hall ---- 15593 Clinical Phenotype of Adult Fragile X Gray-Zone Allele Carriers Deborah Hall | 16009 Panel- All About Our Girls Moderator: Jennifer Epstein Samantha Rhodes, Beth Rhodes, Kelley Devine, Denise Devine | Self Advocates Session – 16003 Conquering the 3 C's - Conversation, Conflict Resolution and Challenging Situations Bev Sher, Bev Kadish, Felicia Schmaman | P-5 |
| 12:30pm- 2:30pm | Lunchtime Workshops for Moms, Dads, Parents of Children who are Non-Verbal, Siblings, Grandparents, FXTAS Families – Grand Ballroom | | | | | | | | |

Thursday Afternoon, July 17, 2014

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|-----------------|------|------|---|---|--|--|--|--|-----|
| 2:30pm – 3:45pm | BS-3 | CS-4 | <p>15841 Setting The Stage: Effective Strategies To Support Behavior And Learning In School-Aged Students</p> <p>Barbara Haas-Givler</p> <p>Behavior</p> | <p>15723 FX Max: A Helpful FX Planning Tool</p> <p>Tracy Stackhouse, Sarah Scharfenaker</p> | <p>15755 “First Words” flash cards: A tool to promote early reading skills</p> <p>Debra Burgess, Gail Spiridigliozzi, Ave Lachiewicz</p> <p>--- 15646 MIND APPs, Learning To Use Touch-Screen Devices & Educational Apps For A Parent-Child Interaction</p> <p>Maria Diez-Juan, Andrea Schneider</p> <p>Education</p> | <p>15661 Planning Successful Strategies to Support Healthy Routines for Young Children with FXS in the Home</p> <p>Jennifer Epstein</p> <p>New Families</p> | <p>15777 Disaster Preparedness: A Discussion for Better Outcomes</p> <p>Joseph Garera, Matthew Rhodes, Jayne Dixon, Weber</p> <p>--- 15771 Emergencies Do Not Have To Be A Disaster: Tips On How To Navigate The Unexpected Medical Encounter</p> <p>Melissa Zolecki</p> <p>Life Skills</p> | <p>Self Advocates Session –</p> <p>15818 Males with Fragile X Syndrome</p> <p>Marcia Braden, Michael Cohen, Aaron Heisel, Spencer Shelton, Tommy Wolf</p> <p>Adults</p> | P-6 |
|-----------------|------|------|---|---|--|--|--|--|-----|

3:45pm – 4:00pm ----- Afternoon Break -----

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|-----------------|-------|------|---|---|--|--|--|--|-----|
| 4:00pm – 5:15pm | CS-11 | CS-5 | <p>15675 Evaluating Children With Fragile X Syndrome For Educational Planning And Research</p> <p>Gail Spiridigliozzi</p> <p>--- 15705 An Examination of IEPs and What They Tell Us About Educators' Knowledge of FXS</p> <p>Deborah Barbouth</p> <p>Education</p> | <p>15657 What Works and Why? Managing Anxiety with Successful Intervention Tools and Strategies</p> <p>Jennifer Epstein</p> <p>Life Skills</p> | <p>15767 Medications for Fragile X Part B: Hyperactivity, Inattention, Sleep Problems, and Aggression</p> <p>Ave Lachiewicz, Carol Delahunty</p> <p>Medications</p> | <p>15643 OT, SLP, AT & the IEP... Making Sense of the Alphabet Soup</p> <p>Laura Greiss Hess Kerrie Lemons Chitwood</p> <p>New Families</p> | <p>15652 Using An Evidence-based Approach to Understand and Treat Behavioral Issues in Fragile X Syndrome</p> <p>Lauren Moskowitz, Scott Hall</p> <p>Behavior</p> | <p>Self Advocates Session –</p> <p>15819 Females with Fragile X Syndrome</p> <p>Marcia Braden, Jonathan Cohen, Shannon Adamson, Chelsea Owens, Anna Cohen, Allison Cohen, Lara Bailey</p> <p>Adults</p> | P-1 |
|-----------------|-------|------|---|---|--|--|--|--|-----|

Thursday Evening – Aquarium of the Pacific
Buses load at 6:15pm

Thursday Groupings – List of Specific Abstracts Within Each Grouping

Unless otherwise specified – the 75 minute session will be evenly divided by the number of talks listed. For example, if there are 3 talks listed, each one is allotted 25 minutes, and that includes Q&A. The order of the talks are as shown below.

Basic Science Sessions

BS-1. FMRP & Molecular/Cellular Studies/Animal Models #1

1. 15738 Alternative Splicing of the FMR1 Gene: Implications for FMR1 Function in Premutation Carriers
Flora Tassone
2. 15659 Quantification of FMRP in Mouse Brain by a Capture Immunoassay
Tatyana Adayev
3. 15752 Aberrant Cofilin Signaling in a Mouse Model of Fragile X Syndrome
Alexander Pyronneau

BS-2. FMRP & Molecular/Cellular Studies/Animal Models #2

1. 15584 Abnormal Myelination during Brain Development in Fragile X Mice
David L. Jiang
2. 15570 Viral Vector-Mediated FMR1 Gene Delivery in Fragile X Knockout Mice
David R. Hampson, Co-Presenter: Shervin Gholizadeh
3. 15616 A Novel Role for SOX2 and SOX9 in Aberrant Embryonic Neurogenesis of Fragile X Syndrome
Michael Telias

BS-3. FXTAS/FXPOI Research/Animal Models

1. 15602 Unconventional Translation at CGG Repeats: Mechanisms, Meanings and Roles in Disease Pathogenesis
Peter Todd
2. 15603 TDP-43 Suppresses CGG Repeat-induced Neurotoxicity through Interactions with HnRNP A2/B1
Peter Todd, Co-Presenter: Fang He
3. 15774 Insights from Oocytes: The Causes and Consequences of Repeat Expansion in the FMR1 Gene
Karen Usdin
4. 15621 RNA and Protein Gain-of-Function in FXTAS
Chantal Sellier
5. 15737 Molecular Phenotype in Premutation Carriers: Altered Expression of Synaptic Signaling Proteins
Dalyir Pretto

Clinical Science Sessions

CS-3. Arousal, Anxiety and Attention in Fragile X across the Lifespan

1. 15707 - Physiological Arousal And Social-Communication Skills In Boys With Fragile X Syndrome And Autism
Jessica Klusek
2. 15760 - Longitudinal Trends And Clinical Implications Of Social Approach Behaviors Among Infants At High Risk For Autism

Bridgette L. Tonnsen

3. 15732 - How Do Attentional And Emotional Difficulties Relate In Young Boys With The Full Mutation?
Kim Cornish

CS-4. Behavior and FXS

1. 15726 The Relationship of Early Parenting to Later Behavior Problems in Children with FXS
Steven Warren, Co-Presenter: Laura Hahn
2. 15757 Behavioral Phenotype of Fragile X Syndrome: Longitudinal Study of Adolescence and Adulthood
Leann Smith
3. 15765 Internalizing and Externalizing Symptoms from Childhood through Adulthood for Individuals with FXS
Leann Smith, Co-Presenters: Marsha Mailick, Jan Greenberg, Steven Warren, Nancy Brady

CS-5. Narrative Language

1. 15704 Narrative Language Competence 1: Story Completeness in Males with FXS
Lauren Bullard
2. 15733 Narrative Language Competence 2: Story Organization in Males with FXS
Mandeep Chela
3. 15750 Narrative Language Competence 3: The Use of Narrative Evaluations by Males with FXS
Robyn Tempero Feigles
4. 15716 The Effect Of Sertraline On Language Development In FXS Using A Passive-Viewing Eyetracking Task
Jessica Burris, Co-Presenter: Susan Rivera

CS-8. Mavoglurant

1. 15685 Mavoglurant In Fragile X Syndrome: Results From Two Phase II Randomized, Double-Blind Trials
George Apostol – Oral Presentation
2. 15700 Mavoglurant In Fragile X Syndrome: Results From Two Phase II Randomized, Double-Blind Trials
George Apostol – Poster Presentation – 2 posters
3. 15697 Mavoglurant In Adolescents With Fragile X Syndrome: Clinical Global Impression-Improvement Analyses
George Apostol – Poster Presentation
4. 15667 A Unique iPad® Application And Assessment Tool For Evaluating Reading Skills in FXS
George Apostol – Poster Presentation

CS-11. Premutation Issues #1

1. 15669 Maternal Stress Among Women Who Carry the FMR1 Premutation Who Are Mothers Of A Child With Fragile X
Emily Allen
2. 15764 Pupil Dilation As An Index Of Autonomic Arousal In Women With The FMR1 Premutation
Abigail Hogan-Brown

3. 15756 Biobehavioral Correlates of Depression and Anxiety in Women with the FMR1 Premutation
Bridgette Tonnsen, Co-Presenter: Jane Roberts
4. 15736 Social Language Use in FMR1 Premutation Carriers
Nell Maltman

Posters

P-1

1. 15749 A Bioinformatics Tool for Tandem Repeat Extraction and Length Estimation
Jun Wang
2. 15641 Spaced Training Rescues Memory and Synaptic ERK1/2 Signaling in a Mouse Model of Fragile X Syndrome
Ronald Seese
3. 15630 Modulation of the GABAergic Pathway for the Treatment of Fragile X Syndrome
Reymundo Lozano
4. 15604 Impaired Sensorimotor Gating in FMR1 Knock Out and Fragile X Premutation Model Mice
Peter Todd, Co-Presenter: Abigail J Renoux
5. 15729 Association of the MAOA Promoter Polymorphism with Brain Structure Volumes in both Autism and FXS
Heather Cody Hazlett
6. 15725 Upregulation of eIF4E in a Female with Fragile X Syndrome and Tuberous Sclerosis
Dalyir Pretto

P-3

1. 15637 Developmental Delay in Female Carriers of the Fragile X Premutation
Maryam Jabbari Amiri
2. 15656 Eye Tracking as a Potential Screening Tool for FXTAS in Fragile X Premutation Carriers
Jonathan Polussa
3. 15691 High Normal/Intermediate FMR1 CGG Repeats Variation By Race-Ethnicity In Women With Normal Fertility
Lisa Pastore
4. 15601 AGG Interruption Testing for Fragile X Carriers: Experiences of a Testing Laboratory
Jennifer Skeen
5. 15632 Association between Macroorchidism and Intelligence in FMR1 Premutation Carriers
Reymundo Lozano
6. 15758 Mood and Anxiety Disorders in Women with the Fragile X Premutation
Amy Gaines

P-5

1. 15600 Perceptions & Expectations of FXS Caregivers Toward the Next Generation of Targeted Treatments
Roxanne Almas

2. 15622 Use of Psychiatric Medications in Young Males with FXS
David Benjamin, Mandeep Chela
3. 15640 Lovastatin as a Promising Candidate for Behaviour Treatment in Fragile X Syndrome
Artuela Çaku
4. 15644 Sertraline Treatment for Young Children with FXS – Preliminary Findings
Laura Greiss Hess
5. 15645 Family Contexts: A Critical Consideration in Clinical Trials
Laura Greiss Hess
6. 15709 Characteristics of Children with FXS at Clinics in a Nat'l Consortium: A Focus on Age-Related Issues
Sharon Kidd

P-6

1. 15568 School-Age Boys with FXS in Educational Settings: An Ethnographic Approach
Carsten Goebell
2. 15721 Technology use in Individuals with FXS: A Study to Inform the Design of a Decision Support App
Julia Kish Doto, Co-Presenters: Lauren McCormack, Robert Furberg
3. 15751 Web Based Reading Intervention for Children with FXS
Kerrie Chitwood, Co-Presenter: Anne Hoffmann
4. 15693 Assessing Mealtime Behaviors in Children and Adolescents with Fragile X Syndrome
Katherine Pawlowski, Co-Presenters: Jonathan Picker, Susan Skees Hermes
5. 15766 Service Provision Models in Fragile X Clinics
Diane Treadwell-Deering, Co-Presentes: Sherry Vinson

Friday Morning, July 18, 2014

| | Terr AB | Terr CD | Terrace EF | Royal AB | Royal CD | Royal EF | Garden 4 | Harbor | Garden 1-3 Posters |
|-------------------|---|---------|---|--|--|---|---|--|--------------------|
| 8:30am – 9:30am | 15743 – Grand Ballroom Keynote: Advances in Understanding Premutation Involvement in Women and Advice to Stay Healthy – Randi Hagerman, MD | | | | | | | | |
| 9:30am – 9:45am | ----- First Morning Break ----- | | | | | | | | |
| 9:45am – 11:00am | CS-14 | CS-10 | 15582 How to Keep Burning without Burning Out!!! Tim Geels --- 15655 Taking the Lighter Side of Fragile X Joseph Garera | 15816 Language Development in Children with Fragile X Syndrome Vicki Sudhalter New Families | 15710 A Multidisciplinary Approach to Understanding Hyperarousal in Fragile X Syndrome Tracy Stackhouse --- 15714 Hands-On Hyperarousal Workshop: What it feels like to be HYPERAROUSSED! Tracy Stackhouse, Sarah Scharfenaker | 15699 Health Care for Individuals with FXS: Understanding Access, Quality, and Decision-Making Ability Melissa Raspa, Lauren McCormack, Adrienne Villagomez | 15554 Medical Problems in Fragile X Syndrome - A Review from the FXCRC Database and Q&A with Clinician Sharon Kidd, Ave Lachiewicz, Elizabeth Berry-Kravis, Robin Blitz, Deborah Barbouth | Self Advocates Session - 15820 Interactive Session: Real Life Experiences; Dealing with Anxiety and Relationships-Part 1 Marcia Braden, Jonathan Cohen, Rashelle Cohen, Jennifer Epstein, Brenda Finucane | P-2 |
| 11:00am – 11:15am | ----- Second Morning Break ----- | | | | | | | | |
| 11:15am – 12:30pm | CS-2 | CS-9 | 16012 Data From the Seaside Trial Elizabeth M Berry-Kravis | 15545 Fragile X Syndrome in the Academic World Christina Aguirre, Elyse Schoenwald Education | 15761 Use of Medications in the Treatment of Hyperarousal Ave Lachiewicz --- 15717 Calming, Coping and Comfort –Self-Regulation and FXS Tracy Stackhouse, Sarah Scharfenaker | 16007 The Interrelationship of Conservatorships, Guardianships and Trusts Christopher A. Poulos | 15670 Access to Care: Addressing the Needs of Minority Families Living with Fragile X Syndrome Lillie Huddleston, Kimberly Lewis, Jean Luan | Self Advocates Session - 15820 Interactive Session: Real Life Experiences; Dealing with Anxiety and Relationships-Part 2 Marcia Braden, Jonathan Cohen, Rashelle Cohen, Jennifer Epstein, Brenda Finucane | P-4 |
| 12:30pm-2:00pm | Friday Lunch – Grand Ballroom | | | | | | | | |

Friday Afternoon, July 18, 2014

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|-----------------|------|------|--|--|---|---|---|---|-----|
| 2:00pm – 3:15pm | CS-6 | CS-1 | <p>15942 International Groups and Clinics</p> <p>Jeffrey Cohen, Jayne Dixon Weber, Holly Roos, Sharon Kidd</p> | <p>15762 Bringing You Protected Tomorrows: Your Journey Through an Eight Step Special Needs Planning Program</p> <p>Mary Anne Ehlert</p> <p>Adults</p> | <p>15715 Managing Hyperarousal and Anxiety: It takes a Village!</p> <p>Sarah Scharfenaker, Tracy Stackhouse</p> <p>---</p> <p>15688 Problem Solving Hyperarousal</p> <p>Kristin Burgess</p> | <p>15679 Understanding and Treating Behavioral Issues</p> <p>Marcia Braden, Karen Riley</p> <p>Behavior</p> | <p>15642 Climbing the Branches of a Family Tree: Sharing the Diagnosis of Fragile X Syndrome</p> <p>Lillie Huddleston, Kimberly Lewis, Stephanie Sherman</p> <p>---</p> <p>15654 Diagnosis Fragile X, So Now Where Do We Go Next</p> <p>Joseph Garera</p> <p>New Families</p> | <p>Self Advocates Session –</p> <p>16010 Eating Healthy</p> <p>Facilitator: Anita Inz</p> | P-7 |
|-----------------|------|------|--|--|---|---|---|---|-----|

3:15pm – 3:30pm ----- Afternoon Break -----

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|-----------------|-------|-------|--|---|---|--|--|---|-----|
| 3:30pm – 4:45pm | CS-13 | CS-12 | <p>15626 Strengthening Families through Innovative Parent Support</p> <p>Diane Simon Smith</p> | <p>15546 Neurology, Behavior, Stimulus, Trauma and Other Scary Words!!</p> <p>Tim Geels</p> <p>New Families</p> | <p>15658 Support for Successful Toilet Training</p> <p>Jennifer Epstein, Karen Riley</p> <p>Life Skills</p> | <p>15619 A Home of One's Own: Meeting the Challenges of Independent Living</p> <p>Anita Abraham-Inz</p> <p>---</p> <p>15748 Intentional Communities for Adults with Fragile X Syndrome</p> <p>Carolyn Ybarra</p> <p>Adults</p> | <p>15701 Hands on Workshop: Strategies to Manage Hyperarousal in the Home, Classroom and Community</p> <p>Kristin Burgess, Ave Lachiewicz, Vicki Sudhalter, Tracy Stackhouse, Sarah Scharfenaker</p> <p>Behavior</p> | <p>Self Advocates Session –</p> <p>16000 Getting Along in the Workplace</p> <p>Anne Souder, Lara Bailey</p> | P-8 |
|-----------------|-------|-------|--|---|---|--|--|---|-----|

Friday Evening – Poster Reception - 5:00 – 6:00 pm

Friday Groupings – List of Specific Abstracts Within Each Grouping

Unless otherwise specified – the 75 minute session will be evenly divided by the number of talks listed. For example, if there are 3 talks listed, each one is allotted 25 minutes, and that includes Q&A. The order of the talks are as shown below.

Clinical Science Sessions

CS-1. Fragile X Premutation Continuum of Molecular, Cognitive and Behavioural Changes

1. 15739 - Fragile X-Related Epigenetic Elements and Cognitive–Affective Symptoms in the Female PM
Kim Cornish
2. 15660 - Improved Relative And Absolute Quantification of RNA toxicity in PM Related Disorders
David Godler
3. 15728 - Brain Activation To Social Evaluation Using An Implicit Trust Task In Fragile X Premutation Carriers
Emily Sievers, Co-Presenter: Susan Rivera
4. 15722 - Women with Fragile X-associated Tremor/Ataxia Syndrome
Andrea Schneider
5. 15674 - Mood and Anxiety Disorders in Mothers with the FMR1 Premutation: Trajectories and Predictors
Jane Roberts

CS-2. Adulthood in FXS: Understanding Daily Life, Self-Determination, Guardianship Decisions

1. 15730 - Self-Determination in Adolescents & Adults with FXS: Findings of Self-Report and Parent Perspective
Adrienne Villagomez
2. 15683 - Planning for the Future: Guardianship and Fragile X Syndrome
Melissa Raspa
3. 15672 - Daily Life of Men with FXS in the Transitioning Years, Young Adulthood, And Middle Adulthood
Sigan Hartley

CS-6. Autism and FX Studies

1. 15680 Autism and Anxiety in Males with Fragile X Syndrome: Neurobehavioral Profiles from a Parent Survey
Walter Kaufmann
2. 15585 Longitudinal Repetitive Behavior Changes in Fragile X Syndrome and Autism Spectrum Disorder
Ashley Stark, Co-Presenters: Jennifer L. Bruno, Amy A. Lightbody, Eve-Marie Quintin, Allan L. Reiss
3. 15625 Characterizing Autism Spectrum Disorder in Fragile X Syndrome: A Longitudinal Perspective
Michelle Lee
4. 15682 Changes in Diagnostic Criteria and the Prevalence of Autism Spectrum Disorders in Fragile X Syndrome
Anne Wheeler, Co-Presenters: Adrienne Villagomez, Melissa Raspa, Anne Edwards, Donald Bailey

CS-9. FXTAS

1. 15735 Memantine Effects on Attention in FXTAS: a Double-Blind Brain Potential Study
Jin-Chen Yang, Co-Presenter: John Olichney

2. 15592 Gait Instability and Mobility Deficits in FXTAS Measured with the Instrumented Timed Up and Go Test
Joan O'Keefe
3. 15638 Brain Volume Changes in FXTAS and Its Correlation With Neuropsychological Measures and FXTAS Stage
Zukhrofi Muzar

CS-10. Speech & Language

1. 15773 A Longitudinal Examination of Expressive Language in Males and Females with Fragile X Syndrome
Angela Thurman
2. 15573 Parent-Implemented Early Language Intervention Delivered by Distance Video-Teleconferencing
Andrea McDuffie
3. 15651 Enhancing Literacy Skills in Individuals with Fragile X Syndrome
Anne Hoffmann, Co-Presenters: Kerrie Lemons-Chitwood, Karen Riley
4. 15588 Sex Differences in Pragmatic Language and Theory of Mind in Children with Fragile X Syndrome
Christie Stiehl

CS-12. Premutation Issues #2

1. 15687 Early Development in Infants and Toddlers with an FMR1 Premutation
Anne Wheeler
2. 15734 Eye Movements Reveal Subtle Inhibitory Control Impairments In Fragile X Carriers
Yingratana McLennan, Co-Presenter: Laura Yoshida
3. 15724 Examination Of Social Cognition And Broad Autism Phenotype In Adults With The FMR1 Premutation
Andrea Schneider

CS-13. Neuroimaging Studies/Screening & Prevalence: Diagnosis/ Testing

1. 15596 Longitudinal Changes In Brain Structure In Fragile X Syndrome
Jennifer L. Bruno, Co-Presenters: Ashley Stark, Amy A. Lightbody, Allan L. Reiss
2. 15574 Offering Fragile X Carrier Testing To Women: Comparing Prenatal And Preconception Screening
Jonathan Cohen

CS-14. Molecular Studies and Screening

1. 15695 Fragile X AGG Analysis Provides New Risk Predictions for 45-90 Repeat Alleles
W. Ted Brown
2. 15633 Genomic Studies in Fragile X Premutation Carriers
Reymundo Lozano
3. 15731 Prenatal Studies Suggest Mothers With >80 Repeats Transmit The Normal Allele in 55% of Pregnancies
Sarah Nolin
4. 15639 Early Detection of Fragile X: Improved Methylation Analysis in Venous Blood and Newborn Blood Spots
David Godler

Posters

P-2

1. 15589 Exploring Treatment Strategies for FXS: High-Throughput Drug Screens and Potential Biomarkers
Daman Kumari
2. 15628 Quantification of FMRP in Human Brain by a Multiplex Capture Immunoassay
Giuseppe LaFauci
3. 15662 Distinctive Behavioral and Cellular Responses to Fluoxetine in the Mouse Model for Fragile X Syndrome
Maija Castrén, Co-Presenters: Marko Uutela, Jesse Lindholm, Tomi Rantamäki, Vootele Voikar
4. 15712 Astrocyte-Secreted TSP-1 Corrects Synaptic and Spine Phenotypes in the Fragile X Mouse Model
Connie Cheng
5. 15713 SOX2 Expression is Increased in Neural Precursor Cells of the Fragile X Mouse Model
Mary Sourial
6. 15894 Fragile X Mental Retardation Protein and miR-125a Association in PSD-95 mRNA Translation Regulation
Snezana Stefanovic
7. 15636 Normalizing Critical Phenotypes in FXS Using Novel Inhibitors of Small GTPases
Luis Martinez

P-4

1. 15587 The Relationship between Behavior Problems and Executive Function Tasks in Fragile X Syndrome
Kylee Miller, Co-Presenters: Caroline deSaussure, Caley Kropp, Anne Wheeler, Donald Bailey
2. 15634 Improving IQ Measurement in Fragile X Syndrome: Using True Deviation from Population Norms
Stephanie Sansone
3. 15686 Conceptual Overview of Decisional Capacity in Fragile X Syndrome
Caley Kropp
4. 15692 Sensory Behaviors in Children and Adults with Fragile X Syndrome
Anne Edwards
5. 15718 Distress with Medical Procedure in Fragile X – Identifying the Need for Effective Supports
Nanastasia Welnick
6. 15740 Functional Analysis and Treatment of Severe Problem Behavior in Fragile X Syndrome
Patricia F. Kurtz
7. 15741 Improving Behavioral Self-Regulation in FXS and FXD with Breath and Heart Rate Variability Training
Patrick Adams
8. 15753 Differences in EEG Frequency Patterns in Fragile X Syndrome
Andrea Schneider

9. 15754 Play Skills of Toddlers with Fragile X Syndrome: Associations with Language Development
Stephanie Summers
10. 15768 Longitudinal Development of Expressive and Receptive Language in Fragile X Syndrome
Amy A. Lightbody

P-7

1. 15763 Examining Autism Symptomatology in Infants with Fragile X Syndrome and Autism Infant Siblings
Kelly Caravella
2. 15548 High Resolution FMR1 Molecular Assessments in a Cohort of Fragile X Full- and Premutation Patients
Dejan Budimirovic
3. 15653 Novel Epigenetic Biomarkers of Cognitive Impairment in Males and Females with an FMR1 Expansion
Marta Arpone
4. 15583 Cholesterol Levels in Fragile X Syndrome
Elizabeth Berry-Kravis
5. 15581 Effect of Antipsychotic use on Prevalence of Overweight/Obesity in Fragile X Syndrome
Elizabeth Berry-Kravis
6. 15572 Characterization of Fragile X Syndrome Caused by FMR1 Deletions
Kaitlin Young, Co-Presenter: Deborah Barbouth
7. 15746 Therapeutic Horseback Riding and Hippotherapy
Carolyn Ybarra

P-8

1. 15553 The Need for Social Skills Therapy for Students with Fragile X Syndrome in Transitions Programs
Carol Szymanski, Co-Presenter: Gail Harris-Schmidt
2. 15635 Fragile X Syndrome Phenotype and its Implications on the Stomatognathic Functions
Ana Leal
3. 15648 The Role of Autism Symptomatology in Communicative Repair Skill in Boys with Fragile X Syndrome
Jamie Barstein
4. 15595 Use of Telemedicine in a Fragile X Clinic
Sharyn Lincoln
5. 15629 MIND APPs, an Interactive iPad© Training for Parents of Children with FXS&ASD
Maria Diez-Juan, Co-Presenter: Andrea Schneider
6. 15673 From Biomarker to Companion Diagnostics-The Mavoglurant Personalized Medicine Story
Sylwia Karwowska
7. 15684 Long-Term Safety Of Mavoglurant In Fragile X Syndrome: Results From Multi-Center Open-Label Studies
Edward Kim

8. 15678 EXPLAIN Fragile X Syndrome Disease Registry: Study Design
Marc Brinkman
9. 15700 Mavoglurant In Fragile X Syndrome: Results From Two Phase II Randomized, Double-Blind Trials
George Apostol – 2 posters
10. 15697 Mavoglurant In Adolescents With Fragile X Syndrome: Clinical Global Impression-Improvement Analyses
George Apostol
11. 15667 A Unique iPad® Application And Assessment Tool For Evaluating Reading Skills in FXS
George Apostol

Saturday Morning, July 19, 2014

| | Terr AB | Terr CD | Terrace EF | Royal AB | Royal CD | Royal EF | Garden 4 | Harbor | Garden 1-3 Posters |
|-------------------|--|---------|---|---|--|--|---|---|--------------------|
| 8:30am – 9:30am | 15594 – Grand Ballroom Keynote: Fragile X-associated Tremor Ataxia Syndrome: Who, What, When, and How? Deborah Hall | | | | | | | | |
| 9:30am – 9:45am | ----- First Morning Break ----- | | | | | | | | |
| 9:45am – 11:00am | | CS-7 | 15711 Fragile X Online Registry With Accessible Research Database (FORWARD): Past, Present, and Future Catharine Riley | 15618 I Get By With A LOT of Help From My Friends Paula Fasciano, Holly Usrey-Roos, Melissa Welin | 15590 Understanding and Treating Language Problems in Children and Adolescents with Fragile X Syndrome Leonard Abbeduto, Andrea McDuffie New Families | 16005 Dentistry & FXS Richard Paul Mungo | 15649 Panel- FXTAS is a Family Affair Moderator: Deborah Hall Corinna Miller Mary Beth Langan Nancy Hertzig Jim Hertzig Nick Hertzig | Self Advocates Session – 16006 Exercise – Getting Started Tracy Stackhouse, Kristin Burgess, Kelley Devine | P-9 |
| 11:00am – 11:15am | ----- Second Morning Break ----- | | | | | | | | |
| 11:15am – 12:30pm | | CS-15 | 15598 Transitions: From Infancy Through The School Years And Beyond Gail Harris-Schmidt Melissa Zolecki Life Skills | 15544 "Mrs. Rogers Neighborhood"-One Mother's Story Cindi Rogers | 15899 Married and Unmarried.....with (Fragile X) Children Diane Simon Smith | 15769 Medication for Fragile X Part C: Medications for Anxiety, Irritable Behaviors, Aggression Elizabeth Berry-Kravis Medication | 15690 Panel- The Sibling Perspective Moderator: Gail Spiridigliozzi Kristin Burgess Allegra Chaconas | Self Advocates Session – 16001 Stretching and Relaxation Tracy Stackhouse, Mouse Scharfenaker, Alli Cohen | |
| 12:30pm-2:00pm | Lunch – On Your Own | | | | | | | | |

Saturday Afternoon, July 19, 2014

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| 2:00pm – 3:15pm | | <p>15580 Visual Issues in Fragile X</p> <p>Rashelle Cohen, Jonathan Cohen ---</p> <p>15689 Feeding Issues: A Guide to Understand and Improve Feeding Skills for Children with Fragile X Syndrome</p> <p>Kristin Burgess</p> <p>New Families</p> | <p>15615 Talking to Students about Fragile X Syndrome</p> <p>Holly Usrey-Roos</p> <p>Education</p> | TBD | <p>15719 Visual Wizardry: Using Visual Strategies to Change Your Child’s Life</p> <p>Sarah Scharfenaker, Tracy Stackhouse ---</p> <p>15720 My Hands Can Write! My Fingers Can Tie!</p> <p>Tracy Stackhouse, Sarah Scharfenaker</p> <p>Life Skills</p> | <p>16008 Panel – Sexuality, Etc</p> <p>Facilitator: Brenda Finucane</p> <p>Laureen Majeske, Sulie Tulio, Luisa Rivas</p> | <p>Note: This session will be held in a different room: Pacific</p> <p>Self Advocates Session -</p> <p>16004 Dance Moves – You can do it!</p> <p>David Salomon, Lara Bailey, Alli Cohen, Anna Cohen, Kelley Devine</p> | |
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Sunday Morning July 20, 2014

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|---------------------|--|
| 9:00 am – 10:15 am | <p>16013 - Grand Ballroom Medication Panel – Come Get Answers To Your Medication Questions!</p> <p>Randi Hagerman, Elizabeth Berry-Kravis, Craig Erickson, Ave Lachiewicz, Nicole Tartaglia, Gary Feldman</p> |
| 10:30 am – 11:45 am | <p>16011 - Grand Ballroom Behavior Panel – Come Get Answers To Your Behavior Questions!</p> <p>Tracy Stackhouse, Sarah Scharfenaker, Vicki Sudhalter, Randi Hagerman, Elizabeth Berry-Kravis, David Hessel</p> |

Saturday Groupings – List of Specific Abstracts Within Each Grouping

Unless otherwise specified – the 75 minute session will be evenly divided by the number of talks listed. For example, if there are 3 talks listed, each one is allotted 25 minutes, and that includes Q&A.

CS-7. Fragile X Syndrome

1. 15668 Climbing the Branches of a Family Tree: Diagnosis of Fragile X Syndrome
Julia Bassell
2. 15681 Early Motor And Socio-Communicative Development In Fragile X Syndrome: An Infant Video Analysis
Walter Kaufmann
3. 15698 Numerical Processing in FXS: An Attention-Shifting Analysis
Emily Owen, Co-Presenter: Susan Rivera
4. 15759 Aggression and Self-Injurious Behaviors in Individuals with Fragile X Syndrome
Anne Wheeler

CS-15. Outcome Measures in FXS

1. 15627 Cognitive Outcome Measures for Fragile X Syndrome: Experience with the NIH Toolbox Cognitive Battery
David Hessl
2. 15623 Amyloid Precursor Protein: Analysis in Fragile X-Associated Versus Idiopathic Autism
Craig Erickson
3. 15747 Reliability And Validity Of A Markerless Motion Capture System To Quantify Hyperactivity in FXS
Joan O'Keefe
4. 15727 Lovastatin Corrects ERK-Pathway Hyperactivation in Fragile X Individuals
David Pellerin

Posters

P-9

1. 15537 Masks, Bowls, Pots & Planters: Pottery as a Path to Self-Expression
Nancy Abrams
2. 15744 Organic Gardening for Teens and Adults with Disabilities
Carolyn Ybarra
3. 15606 Healing From The Inside Out: What Every Carrier Needs To Know
Franti Mars