

Presentations and Seminars

Scientific Presentations

1. Doty, R.L., *Frye, R.*, Hartikka, R. & Londa, B. **Relationship between olfactory sensitivity and nasal airway resistance during alternate phases of the nasal cycle.** Association for Chemoreception Sciences, Sarasota, Florida, 1985 (Platform).
2. Agrawal, U., Doty, R.L. & *Frye, R.E.* **Internal consistency reliability of the fractionated and whole University of Pennsylvania Smell Identification Test.** Association for Chemoreception Sciences, Sarasota, Florida, 1989 (Poster).
3. Deems, D.A., Doty, R.L., *Frye, R.E.*, Pelberg, R. & Shapiro, A. **Olfactory sensitivity, nasal resistance, autonomic function in patients with multiple chemical sensitivities.** Association for Chemoreception Sciences, Sarasota, Florida, 1989 (Poster).
4. Schwartz, B., Doty, R.L., *Frye, R.E.* Monroe, C. & Barker, S. **Alterations in olfactory function in industrial chemical workers exposed to ethyl acrylate.** Association for Chemoreception Sciences, Sarasota, Florida, 1989 (Platform).
5. *Frye, R.E.*, Mester, A. Deems, D.A. & Doty, R.L. **A comparison of mathematical models of nasal pressure-flow data and the contribution of compliant and inertial parameters.** IEEE Engineering in Medicine and Biology Society, 1989 (Platform).
6. Kreiss, D.S., Doty, R.L. & *Frye, R.E.* **Human odor perception: Correlation with frog epithelial adenylate cyclase activity and transepithelial voltage response.** Association for Chemoreception Sciences, Sarasota, Florida, 1990 (Poster).
7. *Frye, R.E.*, Doty, R.L., Mester, A., Platt, K. & Gonzalez, J. **Mathematical models of the nasal airway: Ability to discriminate between normal and abnormal static resistive components.** IEEE Northeast Bioengineering Conference, 1990 (Platform).
8. *Frye, R.E.* & Doty, R.L. **The nasal cycle: Relationship to ultradian rhythms and unilateral olfactory threshold.** Association for Chemoreception Sciences, Sarasota, Florida, 1991 (Platform).
9. *Frye, R.E.*, Doty, R.L. & Shaman, P. **Asymmetric olfactory function: Relationship to handedness, gender and nasal resistance.** Association for Chemoreception Sciences, Sarasota, Florida, 1991 (Platform).
10. *Frye, R.E.*, Doty, R.L., & Shaman, P. **Bilateral and unilateral olfactory sensitivity: Relationship to handedness, gender and nasal resistance.** Chemical Signals in Vertebrates, 1991 (Platform).
11. *Frye, R.E.* & Doty, R.L. **The influence of ultradian autonomic rhythms as indexed by the nasal cycle on unilateral olfactory thresholds.** Chemical Signals in Vertebrates, 1991 (Platform).
12. *Frye, R.E.*, Valle, A. & Doty, R.L. **Several Nasal Respiratory Rhythms Are Associated With Unilateral Olfactory Sensitivity.** Association for Chemoreception Sciences, Sarasota, Florida, 1992 (Platform).
13. Ledley, R.S. & *Frye, R.E.* **Processing of stereo image pairs: Elimination of depth planes using the 'cut-plane' procedure.** The Society for Imaging Science and Technology and the International Society for Optical Engineering Symposium on Electronic Imaging Science and Technology, 1994 (Platform).

14. **Frye, R.E.** & Ledley, R.S. **Enhancement of lung nodules through stereo image processing.** IEEE Engineering in Medicine and Biology Society, 1994 (Platform).
15. **Frye, R.E.**, Polling, J.S. & Vicini, S. **Noise fluctuation analysis of pineal delayed rectifier channels and modification by the blocker Docosahexaenoic acid.** Society for Neuroscience, 1994 (Platform).
16. **Frye, R.E.** **Stereo mammographic image processing: Improving diagnostic quality by removing obscuring image features.** Society for Experimental Biology and Medicine District of Columbia Section Annual Student Symposium, 1995 (Platform).
17. **Frye, R.E.** & Ledley, R.S. **A Step Towards Improving Transparent Image Processing: Extraction of Non-Transparent Regions by Variable Length Pattern Correspondence From Stereo Image Pairs.** Fifteenth Southern Biomedical Engineering Conference, 1996 (Platform)
18. **Frye, R.E.** & Ledley, R.S. **A Theoretical Analysis of Stereo Vision Mechanisms of the Visual Cortex: Derivative of Gaussian Functions as Disparity Filters.** Fifteenth Southern Biomedical Engineering Conference, 1996 (Platform).
19. **Frye, R.E.**, Ascher, S. & Thomasson, D. **Magnetic Resonance Hysterosalpingography (MRHSG): Sequence Optimization and Demonstration of Simulated Normal and Abnormal Tubal Conspicuity.** Radiological Society of North America, 1997 (Platform).
20. **Frye, R.E.** & Ledley, R.S. **Stereo mammographic image enhancement: Variable length correspondence matching of non-superimposed image regions.** Radiological Society of North America's Eighty, 1997 (Platform).
21. **Frye, R.**, DuPlessus, A., Soul, J. **Hypercoagulable States Associated with Transient Visual Neurologic Disturbance.** Child Neurology Society, 31th Annual Meeting, 2002. (Poster).
22. Anselm, I., **Frye, R.E.**, Marsden, D., Volpe J.J. **Defective Mitochondrial Energy Metabolism in Creatine Transporter 1 Deficiency.** Child Neurology Society, 32th Annual Meeting, 2003 (Poster).
23. Liederman, J., McGraw Fisher J., Coty, A., Alexander, R., Matthies, M. and **Frye, R.** **Reduction Of The Phonemic Restoration Illusion In Adults With Reading Disability (RD).** Society of Neuroscience, 2003 (Poster).
24. McGraw Fisher, J., Liederman, J., Coty, A., Alexander, R., Matthies, M., and **Frye, R.** **Sex Differences in the Occurrence of the Phonemic Restoration Illusion.** Society of Neuroscience Meeting, 2003 (Poster).
25. **Frye, R.E.**, McGraw Fisher, J., Liederman, J., Halgren, E., Dale, A. **Dynamic Cortical Activation During Phoneme Discrimination.** Biomag 2004 (Poster).
26. **Frye, R.E.**, McGraw Fisher, J., Liederman, J., Halgren, E. **Abnormal Dynamic Cortical Activation During Phoneme Discrimination in Dyslexic Readers.** International Dyslexia Association 55th Annual Conference, 2004 (Platform).
27. Liederman, J., McGraw Fisher, J., Coty, A., Matthies, M., Alexander, R., Mathews, G. and **Frye, R.** **The Use Of Context Information To Disambiguate Noisy Speech Signals: Deficits In Adults With Reading Disability.** International Dyslexia Association 55th Annual Conference, 2004 (Poster).

28. **Frye, R.**, Liederman, J., McGraw-Fisher, J., Halgren, and E., Dale, A. **Phoneme Prototypicality Modulates Lateralization of Cortical Activation.** Cognitive Neuroscience Society Annual Meeting, New York NY 2005 (Poster).
29. McGraw-Fisher, J., **Frye, R.**, Liederman, J., Halgren, and E., Dale, A. **Dynamic Spatiotemporal Interactions Between the Visual Word Form Area and the Temporal Lobe During Phonological Decoding.** Cognitive Neuroscience Society Annual Meeting, New York NY 2005 (Poster).
30. **Frye, R.**, Liederman, J., McGraw-Fisher, J., Halgren, and E., Dale, **Cortical Dynamics of Phonological Processing in Dyslexic and Normal Readers.** International Dyslexia Association, 2005 (Platform)
31. **Frye, R.**, McGraw Fisher, J., Coty, A., Zarella, M., Liederman, J. Halgren, E. **Hemispheric differences in the coding of voice onset time (VOT) revealed by magnetoencephalography (MEG).** Society of Neuroscience Meeting, Washington DC 2005 (Poster).
32. **Frye, R.**, McGraw Fisher, J., Coty, A., Zarella, M., Liederman, J. Halgren, E. **Hemispheric Differences in Voice Onset Time Coding.** International Neuropsychological Society, Boston MA 2006 (Poster).
33. **Frye, R.**, McGraw Fisher, J., Coty, A., Liederman, J. Halgren, E. **Dyslexic Readers Fail to Use Large Scale Neural Network During Phonological Decoding.** International Neuropsychological Society, Boston MA 2006 (Platform).
34. **Frye, R.**, McGraw Fisher, J., Ahlfors, S., Halgren, E. and Liederman, J. **Dyslexia: An Example of Natural Variation in Large-Scale Neural Network Organization.** Center for Discrete Mathematics and Theoretical Computer Science Conference on Data Mining, Systems Analysis and Optimization in Neuroscience, Gainesville FL 2006 (Platform).
35. Seref, O., Cifarelli, C., Ding, M., **Frye, R.E.** and Pardalos, P.M. **Kernel Based Methods Applied to Single Trial Neural Signals.** Center for Discrete Mathematics and Theoretical Computer Science Conference on Data Mining, Systems Analysis and Optimization in Neuroscience, Gainesville FL 2006 (Platform).
36. Zhang, Y., **Frye, R.E.** and Ding, M. **MEG in Dyslexia: A Power and Coherence Study.** Center for Discrete Mathematics and Theoretical Computer Science Conference on Data Mining, Systems Analysis and Optimization in Neuroscience, Gainesville FL 2006 (Platform).
37. **Frye, R.**, McGraw Fisher, J., Coty, A , Liederman, J. and Halgren, E. **Patterns of Recurrent Cortical Activation in Response to Consonant-Vowel Syllables.** International Conference on Cognitive and Neural Systems, Boston MA 2006 (Platform)
38. **Frye, R.**, McGraw Fisher, J., Coty, A , Liederman, J. and Halgren, E. **Consonant-Vowel Syllables Induce Multiple Resonant Cortical Interactions,** International Neuropsychological Society, Zürich Switzerland 2006 (Platform)
39. **Frye, R.**, McGraw Fisher, J., Coty, A , Ahlfors, S., Halgren, E., Papanicolaou, A. and Liederman, J. **Organization of large-scale spatiotemporal networks in young adults with a history of dyslexia.** International Society for Brain Electrotomography, Chieti Italy 2006 (Platform)
40. **Frye, R.E.**, Witzel, T., Ahlfors, S., Hamalainen, M., Liederman, J., Papanicolaou, A. and Halgren, E. **Dynamic connectivity during syllable perception revealed by Granger causality.** International Society for Brain Electrotomography, Chieti Italy 2006 (Platform)

41. **Frye, R.**, McGraw Fisher, J., Coty, A., Zarella, M., Liederman, J. Halgren, E. **Granger causality for realizing the structure of recurrent cortical networks in magnetoencephalography data**, Society of Neuroscience, Atlanta GA 2006 (Platform).
42. **Frye, R.E.** **Applications of Granger causality in magnetoencephalography**. Houston Society for Engineering in Medicine and Biology, Houston TX 2007 (Platform).
43. **Frye, R.**, Liederman, J., McGraw Fisher, J., Coty, A. and Halgren, E. **Dynamics of cortical interaction during syllable perception**. International Conference on Cognitive and Neural Systems, Boston MA 2007 (Platform)
44. **Frye, R.**, Liederman, J., McGraw Fisher, J., Coty, A. and Halgren, E. **Visualizing neural connectivity with dynamic causality imaging** International Conference on Cognitive and Neural Systems, Boston MA 2007 (Poster)
45. **Frye, R.**, Wu MH, Zouridakis G. **Dynamic Autoregressive Neuromagnetic Causality Imaging (DANCI)**. WSEAS International Conference on Computers, Crete Greece 2007 (Platform).
46. **Frye, R.** **The Empirical Type I Error of Dynamic Statistical Parameter Mapping**. International Symposium on Noninvasive Functional Source Imaging of the Brain and Heart and the International Conference on Functional Biomedical Imaging, Hangzhou China 2007 (Platform)
47. **Frye, R.**, Wu MH, Zouridakis G., , McGraw Fisher, J., Liederman, J. Halgren, E. **Changes in cortical connectivity in young adults with a history of reading disability**. Society of Neuroscience Meeting, San Diego CA 2007 (Platform).
48. **Frye, R.**, Landry, S., Swank, P., Smith, K. **Neuropsychological Characteristics Associated with Reading Ability in Full Term and Prematurely Born Adolescents**, International Neuropsychological Society Meeting, Hawaii HI 2008 (Poster).
49. **Frye, R.**, Novak, B. Malmberg, B., Strickland, D., Liederman, J. **Context Dependent Impulsivity in Young Adults with Compensated Reading Disability**, International Neuropsychological Society Meeting, Hawaii HI 2008 (Poster).
50. Wu, M., **Frye, R.E.**, Zouridakis, G. **Probability-based Granger Causality: Changes in Connectivity with Application of a Statistical Threshold**. Houston Society for Engineering in Medicine and Biology, Houston TX 2008 (Poster).
51. **Frye, R.E.**, Liederman, J., Malmberg, B., Strickland, D., Papanicolaou, A. **Common and Unique Mechanisms for Phonological Decoding Real-words and Non-words**, Human Brain Mapping, Melbourne Australia 2008. (Poster)
52. **Frye, R.**, Wu MH, Zouridakis G., Liederman, J. **Causal Prefrontal-Temporoparietal Interactions are Correlated with Word-Rhyming Performance in Reading Disabilities**. Biomag Sapporo Japan 2008 (Poster).
53. Beauchamp, M.S., Yasar, N.E., **Frye, R.E.**, Ro, T. **Touch, Sound and Vision in Human Superior Temporal Sulcus**. Society of Neuroscience Meeting, 2008 (Poster).
54. Wu, M., **Frye, R.E.**, Zouridakis, G. **A Multivariate Approach to Calculate the Strength and Direction of Brain Connectivity**. Houston Society for Engineering in Medicine and Biology, Houston TX 2009 (Platform).
55. **Frye, R.E.** **Abnormal Biomarkers of Energy Metabolism in Children with Autism**. Mitochondrial Medicine. Tysons Corner VA 2009 (Poster).

56. **Frye, R.E. Executive dysfunction is related to reading disability in adolescents born at term and prematurely.** Neurobiology of Language, Chicago IL 2009. (Poster)
57. **Frye, R.E. Multiple reading-related factors differentially influence cortical and subcortical white matter structure in normal and dyslexic readers.** Society of Neuroscience Meeting, Chicago IL 2009 (Poster).
58. Hasan, K.M., Walimuni, I.S., Abid, H., Kramer, L.A., **Frye, R.E.**, Fletcher, J.M., Ewing-Cobbs, L. **DTI, T2 relaxation and Volumetry of the Human Brain Corpus Striatum across the Lifespan.** International Society for Magnetic Resonance in Medicine, 2010 (Platform).
59. Ellmore, T.M., Li, H., Xue, Z., Malmberg, B., Wong, S., **Frye, R. White Matter Integrity and Non-verbal Intelligence in Autism.** International Meeting for Autism Research, San Diego CA 2011 (Poster)
60. Xue, Z., Li, H., Ellmore, T.M., Malmberg, B., **Frye, R.**, Wong, S. **Anatomical Connectivity-Based Analysis of Autism Using Diffusion Tensor Imaging.** International Meeting for Autism Research, San Diego CA 2011 (Poster)
61. Li, H., Xue, Z., Ellmore, T.M., **Frye, R.**, Malmberg, B., Wong, S. **Brain Network-Based Analysis of Autism Using Diffusion Tensor Imaging.** International Meeting for Autism Research, San Diego CA 2011 (Poster)
62. Wu., M-H, Malmberg, B., Ellmore, T.M., Li, H., Xue, Z., Wong, S., **Frye, R. Granger causality reveals abnormal network structure in the right hemisphere in children with high-functioning autism.** International Meeting for Autism Research, San Diego CA 2011 (Poster)
63. Rossignol, D.A., **Frye, R.E. Mitochondrial Dysfunction in Autism Spectrum Disorders: A Systematic Review and Meta-Analysis.** International Meeting for Autism Research, San Diego CA 2011 (Poster)
64. **Frye, R.E.**, Rossignol, D.A. **Children with Autism Spectrum Disorders and mitochondrial disease: a unique mitochondrial disease subgroup.** Mitochondrial Medicine, Chicago IL 2011 (Platform)
65. Rossignol, D.A., **Frye, R.E. A meta-analysis of biomarker of mitochondrial dysfunction and the prevalence of mitochondrial disease in autism.** Mitochondrial Medicine, Chicago IL 2011 (Poster)
66. **Frye, R.**, James, J., Malmberg, B. Taylor, H., De la Torre, R. **Mitochondrial Dysfunction in children with autism: Relationships between complex activity, oxidative stress and autistic behaviours.** Cell Symposia: Autism Spectrum Disorders: From Mechanisms to Therapies, Arlington VA 2011 (Poster).
67. **Frye, R.**, Rossignol, D. **High Prevalence of the Cerebral Folate Receptor Autoantibody in Autism and Significant Response to Folinic Acid Treatment.** Cell Symposia: Autism Spectrum Disorders: From Mechanisms to Therapies, Arlington VA 2011 (Poster).
68. Hasan, K.M., Walimuni, I.S., **Frye, R.E. Global and Regional Multimodal Neuroimaging Markers of the Neurobiology of Autism: Development and Cognition.** Cell Symposia: Autism Spectrum Disorders: From Mechanisms to Therapies, Arlington VA 2011 (Poster).
69. Li, H., Xue, Z., Ellmore, T.M., Malmberg, B., **Frye, R.E.**, Wong, S.T. **Different Correlation Between Structural Brain Connectivity Strength and Neuropsychological Measures in**

High Functioning Autism. Cell Symposia: Autism Spectrum Disorders: From Mechanisms to Therapies, Arlington VA 2011 (Poster).

70. Ellmore, T., Xue, Z., Wong, S., **Frye, R.** **A tract-based spatial statistics study of white matter integrity and non-verbal IQ in children with autism.** Cell Symposia: Autism Spectrum Disorders: From Mechanisms to Therapies, Arlington VA 2011 (Poster).
71. MacFabe, D.F, Thomas, R.H., **Frye, R.E.**, **Acyl-Carnitine Abnormalities In Autistic Children Parallel Abnormalities In A Rodent Model of Autism.** International Meeting for Autism Research, Toronto CA 2012 (Poster).
72. Widjaja, F., Choi, J.E., James, S.J., **Frye, R.E.**, Hendren, R.L. **Double-Blind Placebo-Controlled Trial of Methyl B12 Injections for Children with Autism.** International Meeting for Autism Research, Toronto CA 2012 (Poster).
73. **Frye, R.E.**, De La Torre, R., Taylor, H., Melnyk, S., James, S.J. **Metabolic Effects of Tetrahydrobiopterin Treatment.** International Meeting for Autism Research, Toronto CA 2012 (Poster).
74. **Frye, R.E.**, Sequeira, J.M., Quadros, E.V., James, S.J., Rossignol, D. **Cerebral folate receptor autoantibodies in autism spectrum disorder.** International Meeting for Autism Research, Toronto CA 2012 (Poster).
75. Rose, S., Melnyk, S., Pavliv, O., Bai, S., Nick, T.G., **Frye, R.E.**, James, S.J. **Evidence of Oxidative Damage and Inflammation Associated with Low Glutathione Redox Status in the Autism Brain.** International Meeting for Autism Research, Toronto CA 2012 (Poster).
76. Hasan, K.M., Steinberg, J.L., Moeller, G.F., Ma, L., **Frye, R.E.**, Narayana, P.A. **Healthy Human Brain and Patient Customized Quantitative MRI Templates and their interplay using VBM.** Human Brain Mapping, Beijing, China 2012 (Poster).
77. Rose, S., Melnyk, S., **Frye, R.E.**, James, S.J. **Decreased Glutathione Redox Capacity and Increased Susceptibility to Mitochondrial Dysfunction in Autism Lymphoblastoid Cells.** Mitochondrial Medicine, Washington DC 2012 (Poster).
78. **Frye, R.E.**, Rose, S., James, S.J., **Children with Mitochondrial Disease and Autism have alterations in Pathways Involved in Response to Endogenous and Exogenous Stressors.** Mitochondrial Medicine, Washington DC 2012 (Poster).
79. Rose, S., Melnyk, S., **Frye, R.E.**, James, S.J. **Increased Susceptibility to Reactive Oxygen Species in Autism Lymphoblastoid Cells is mediated by Mitochondrial Dysfunction.** Society for Neuroscience, New Orleans LA 2012 (Poster).
80. **Frye, R.E.**, Rose, S., James, S.J., **Children with mitochondrial disease and autism have a unique response to physiological stressors.** Society for Neuroscience, New Orleans LA 2012 (Poster).
81. Rose, S., Melnyk, S., **Frye, R.E.**, James, S.J. **Increased Susceptibility to Reactive Oxygen Species in Autism Lymphoblastoid Cells is mediated by Mitochondrial Dysfunction.** Arkansas Biosciences Institute Conference, Fayetteville AR 2012 (Poster).
82. Rose, S., Melnyk, S., **Frye, R.E.**, James, S.J. **Increased Susceptibility to Reactive Oxygen Species in Autism Lymphoblastoid Cells is mediated by Mitochondrial Dysfunction.** Seahorse Users Meeting, Houston TX 2012 (Poster).
83. MacFabe, D.F, Melnyk, S., **Frye, R.E.**, **Unique acyl-carnitine profiles in rat model of autism predict potential biomarkers for acquired mitochondrial disease in an autism patient cohort.** American Society for Neurochemistry, Cancun, Mexico 2013 (Poster).

84. **Frye, R.E.,** Rose, S., Slattery, J., Wynne, R., Melnyk, S., James, S.J. **Mitochondrial Reserve Capacity in Peripheral Blood Mononuclear Cells Is Related to Development and Glutathione Redox Status in Children with Autism Spectrum Disorder.** International Meeting for Autism Research, San Sebastián, Spain 2013 (Poster).
85. Rose, S., **Frye, R.E.,** Melnyk, S., Wynne, R., James, S.J. **Increased Susceptibility of Autism Lymphoblastoid Cells to Mitochondrial Dysfunction following Reactive Oxygen Species Exposure.** International Meeting for Autism Research, San Sebastián, Spain 2013 (Platform).
86. **Frye, R.E.** **Mitochondrial Reserve Capacity in Peripheral Blood Mononuclear Cells Is Related to Development and Glutathione Redox Status in Children with Autism Spectrum Disorder.** Autism Research Institute Think Tank, Baltimore, 2013 (Platform).
87. **Frye, R.E.,** Rose, S., Slattery, J., Wynne, R., Tippet, M., Melnyk, S., James, S.J. **Mitochondrial dysfunction in immune cells derived from children with autism spectrum disorder (ASD): A unique metabolic endophenotype of children with ASD.** Mitochondrial Medicine, Newport Beach, 2013 (Poster).
88. **Frye, R.E.,** Damie, S., Goldenthal, M.J. **Respiratory complex I and IV dysfunction is associated with Phelan-McDermid Syndrome.** Mitochondrial Medicine, Newport Beach, 2013 (Poster).
89. Rose, S., **Frye, R.E.,** Slattery, J., Wynne, R., Tippet, M., Melnyk, S., James, S.J. **Oxidative stress induces mitochondrial dysfunction in a subset of autism lymphoblastoid cell lines.** Society for Neuroscience, San Diego, CA 2013 (Poster).
90. MacFabe, D.F., Melnyk, S., **Frye, R.E.** **Unique acyl-carnitine profiles in the propionic acid rat model of autism predict potential biomarkers for mitochondrial dysfunction in autistic patients,** Society for Neuroscience, San Diego, CA 2013 (Poster).
91. **Frye, R.E.,** Rose, S., Slattery, J., Wynne, R.A., Melnyk, S., James, S.J. **Abnormal Mitochondrial Function in Immune Cells derived from a Subset of Children with Autism Spectrum Disorder.** Arkansas Biosciences Institute Conference, Fayetteville AR 2013 (Poster).
92. **Frye, R.E.,** Melnyk, S., Fuchs, G., Reid, T., Jernigan, S., Pavliv, O., Hubanks, A., Gaylor, D.W., Walters L., James, S.J. **Effectiveness of methylcobalamin and folinic acid treatment on adaptive behavior in children with autistic disorder is related to glutathione redox status.** International Meeting for Autism Research, Atlanta, GA 2014 (Poster)
93. **Frye, R.E.,** Slattery, J.C., Delhey, L., Tippet, M., Melnyk, S., Rose, S., Quadros, E., Sequeira, J.M., James, S.J. **The Efficacy of High-Dose Folinic Acid for Autism Spectrum Disorder: A Double-Blind Placebo Controlled Study.** International Meeting for Autism Research, Atlanta, GA 2014 (Poster)
94. Rose, S., **Frye, R.E.,** Slattery, J., Wynne, R., Tippet, M., Melnyk, S., James, S.J. **Oxidative stress induces mitochondrial dysfunction in a subset of autism lymphoblastoid cell lines.** International Meeting for Autism Research, Atlanta, GA 2014. (Poster)
95. Rose, S., **Frye, R.E.,** Slattery, J., Melnyk, S., Wynne, R., Tippet, M., James, S.J. **Oxidative Stress Induces Mitochondrial Dysfunction in a Subset of Autism Lymphoblastoid Cell Lines in a Well-Matched Case Control Cohort.** Society for Inherited Metabolic Disease, Asilomar, CA 2014.

96. **Frye, R.E.,** Kahler, S., Slattery, J., Rose, S., James, J.S. **Treatable Metabolic Disorders Associated with Autism Spectrum Disorder.** Society for Inherited Metabolic Disease, Asilomar, CA 2014
97. Cox, D., Kahler, S., **Frye, R.E.,** Danylchuk, N., Vuk. J. **Autistic like features in Phelan-McDermid syndrome. Possible correlations to patient's genetic information.** American College of Medical Genetics Annual Clinical Genetics Meeting, Nashville, TN 2014.
98. **Frye, R.E.,** Rose, S., Slattery, J., Wynne, R.A., Tippet, M., Melnyk, S., James, S.J. **Mitochondrial dysfunction in a subset of immune cells derived from children with autism spectrum disorder: A unique metabolic endophenotype.** Medical Academy of Pediatric Special Needs, Costa Mesa CA 2014 (Platform).
99. MacFabe, D.F., Melnyk, S., **Frye, R.E.** **Acyl-Carnitine and Redox Profiles in Propionic Acid Exposed Rats Predict Biomarkers for Acquired Mitochondrial Dysfunction in ASD,** American Society for Neurochemistry, Long Beach, CA 2014 (Poster).
100. **Frye, R.E.,** Rose, S., Slattery, J., Wynne, R.A., Tippet, M., Melnyk, S., James, S.J. **Oxidative-stress induced mitochondrial dysfunction is found in immune cells derived from a significant subset of children with autism spectrum disorder.** Mitochondrial Medicine, Pittsburgh PA, 2014 (Poster).
101. Delhey, L., Slattery, J.C., Deepmala, Ferguson, B., Strickland, T., Tippet, M., Sailey, A., Wynne, R., Rose, S., Melnyk, S., James, S.J., Sequeira, J.M., Quadros, E., **Frye, R.E.** **Efficacy and Safety of High Dose Folinic Acid in Autism Spectrum Disorder: Open Label Follow-up of a Randomized Controlled Trial.** American Academy of Child and Adolescent Psychiatry, San Antonio TX, 2015 (Poster).

Invited Presentations

102. **Frye, R.E.** **Early detection of cancer through stereo X-ray Imaging.** Department of Physiology and Biophysics Seminar Series, Georgetown University, Washington DC 1995 (Platform).
103. **Frye, R.E.** **The Pediatrician: The Front Line for Detecting and Evaluating Learning Difficulties.** Dartmouth Medical Center Pediatric Grand Rounds, Hanover NH 2004 (Platform).
104. **Frye, R. E.,** **Nasal Patency and the Dynamics of Nasal Airflow.** The University Of Pennsylvania Anosmia Symposium, Philadelphia PA 2004 (Platform).
105. **Frye, R.E.** **Reorganization of Language Networks During Word Learning in Normal and Developmental Phonologic Dyslexic Readers.** Loyola University Medical Center Pediatric Grand Rounds, Chicago IL 2004 (Platform).
106. **Frye, R.E.** **The Neurological Basis of Dyslexia:** The Marcus Institute Grand Rounds, Atlanta GA 2005 (Platform).
107. **Frye, R.E.** **The Neurological Basis of Dyslexia: Historical Perspective and Functional Neuroimaging Evidence,** University of Florida Pediatric Grand Rounds, Gainesville FL 2005 (Platform).
108. **Frye, R.E.** **Cortical Dynamics of Phonological Processing in Dyslexic and Normal Readers.** Center for Neuropsychological Studies, University of Florida, Gainesville FL 2005 (Platform).

109. **Frye, R.E. Neurological Basis of Word Decoding in Normal and Dyslexic Readers**, Department of Neuroscience, University of Florida Medical Center, Gainesville FL 2005 (Platform).
110. **Frye, R.E.** and Slinger, A.M. **The University of Florida School Problems Clinic**. Department of Pediatrics, University of Florida, Gainesville FL 2005 (Platform).
111. **Frye, R.E., The Neurological Basis of Dyslexia: Evidence from Multiple Imaging Modalities**. The Florida Society of Neurology Annual Course in Behavioral Neurology and Neuropsychology, Orlando FL 2006 (Platform).
112. **Frye, R.E. Visualization of the Cortical Dynamics of Dyslexia using Magnetoencephalography**. Department of Computer Science, University of Houston, Houston TX 2006 (Platform).
113. **Frye, R.E., Cortical Dynamics of Language Processing in Dyslexia: Evidence from Multiple Imaging Modalities**. Grand Rounds, Department of Neurosurgery, University of Texas, Houston TX 2006 (Platform).
114. **Frye, R.E. Neurobiological causes of Autism**. Merrill Lynch Commodities, Inc., Houston TX 2007. (Platform).
115. Papanicolaou, A., Bowyer, S. **Frye, R.E.**, Moratti, S. **Language/Plasticity Roundtable**. 4-D Neuroimaging International Users Group Meeting, Denver CO 2007 (Platform)
116. **Frye, R.E., Cortical Dynamics of Language Processing in Dyslexia: Evidence from Multiple Imaging Modalities**. Grand Rounds, Department of Pediatrics, University of Texas, Houston TX 2007 (Platform).
117. **Frye, R.E., Neural Compensatory Mechanism for Reading in Dyslexia**. Research Retreat, University of Texas, Houston TX 2007(Platform).
118. **Frye, R.E. The Biological Basis of Neurodevelopmental Disorders**, The University of Texas Presidential Lunch, Houston TX 2008 (Platform).
119. Poling, J.S., **Frye, R.E. Mitochondrial Autism – A Unique Subpopulation and Piece of the Puzzle?** Autism One, Chicago IL 2008 (Platform).
120. **Frye, R.E. Neurobiological causes of Autism**. Department of Pediatrics Grand Rounds, University of Texas, Houston TX 2008 (Platform).
121. **Frye, R.E. Mitochondrial Autism – A Unique Subpopulation and Piece of the Puzzle?** Katy Autism Support Group, Katy TX 2008 (Platform).
122. **Frye, R.E. The Neurobiology of Dyslexia**. Children’s Learning Institute Collaborative Lecture Series, Department of Pediatrics, Houston TX 2008 (Platform).
123. **Frye, R.E. Subclinical Seizures and Developmental Cognitive Disorders**. Autism Research Institute Think Tank, Dallas TX 2009 (Platform).
124. **Frye, R.E., Brain connectivity in individuals with reading disability born at term and prematurely**. Grand Rounds, Department of Neurology, University of Texas Houston TX 2009 (Platform).
125. **Frye, R.E., Subclinical Seizures in Autism**. The Elias Tembenis Seizures Think Tank, Autism One, Chicago IL 2009 (Platform).
126. **Frye, R.E., Subclinical Seizures and Functional Reorganization in Developmental Cognitive Disorders**. Autism One, Chicago IL 2009 (Platform).
127. **Frye, R.E. Tetrahydrobiopterin Deficiency and Autism**. BioMarin Pharmaceuticals, Inc., Novato CA 2009 (Platform)

128. **Frye, R.E. Subclinical epileptiform discharges and functional reorganization in atypical cognitive development.** AutismOne. 2009 Chicago IL (Platform).
129. **Frye, R.E. Biomarkers of Energy Metabolism in Children with Autism** Autism One Canada, Toronto Canada 2009 (Platform).
130. **Frye, R.E. Subclinical discharges and functional reorganization in atypical cognitive development.** Autism Research Institute Fall Meeting, Dallas TX 2009 (Platform).
131. **Frye, R.E. The Significance of Tetrahydrobiopterin in Developmental Disorders and Autism.** BioMarin Pharmaceuticals Investigator Sponsored Trial Investigator Meeting, Sausalito CA 2009 (Platform).
132. **Frye, R.E. Neurobiological causes of Autism.** North Houston Autism Support Group Tomball TX 2009. (Platform).
133. **Frye, R.E. Seizures treatments in autism.** Autism Research Institute Winter Think Tank, Dallas TX 2010 (Platform).
134. **Frye, R.E. Fatty-acid abnormalities as markers of mitochondrial dysfunction in children with autism.** Autism Research Institute Winter Think Tank, Dallas TX 2010 (Platform).
135. **Frye, R.E. Seizures Treatment Survey Results.** Autism One. Chicago IL 2010 (Platform).
136. **Frye, R.E. Mitochondrial Disorder and Autism,** Autism Conferences of America, Arizona "Back to School" Autism/Asperger's Conference, Phoenix AZ 2010 (Platform).
137. **Frye, R.E. Seizures in Autism: A New National Survey on Treatments,** Autism Conferences of America, Arizona "Back to School" Autism/Asperger's Conference, Phoenix AZ 2010 (Platform).
138. **Frye, R.E. Neurological Abnormalities in PKU,** PKU and BH4 Scientific Development Summit II, San Diego CA 2010 (Platform)
139. **Frye, R.E. Biomarkers for Central Tetrahydrobiopterin in Developmental Disorders and Autism,** PKU and BH4 Scientific Development Summit II, San Diego CA 2010 (Platform)
140. **Frye, R.E. Biomarkers of central nervous system BH4 concentration and response to BH4 supplementation in children with idiopathic cognitive developmental disorders.** BioMarin Pharmaceuticals Investigator Sponsored Trial Investigator Meeting, Woodinville WA 2010 (Platform).
141. **Frye, R.E. Research Studies for Children with Autism Spectrum Disorder.** Westwood School, Katy, TX. 2011 (Platform)
142. **Frye, R.E. A Comprehensive Behavior - Biomedical Approach to Autism.** Friends of the Children's Learning Institute at The University of Texas Medical School at Houston Lecture & Luncheon, Houston TX_2011 (Platform)
143. **Frye, R.E. Medical Disorders Associated with Autism: Pathways for Treatments that Augment Recovery.** Arkansas Children's Hospital Research Conference, Little Rock AR 2011 (Platform)
144. **Frye, R.E. Using Magnetoencephalography to understand neurodevelopmental disorders.** Los Angeles Children's Hospital Neurology Grand Rounds, Los Angeles, CA 2011 (Platform)

145. **Frye, R.E.** The Significance of Subclinical Electrical Discharges in Neurodevelopmental Disorders. AutismOne General Session on Seizures in Autism, Chicago IL 2011 (Platform)
146. **Frye, R.E.** Mitochondrial Dysfunction Endophenotypes in Autism. AutismOne Think Tank, Chicago IL 2011 (Platform)
147. **Frye, R.E.** Tetrahydrobiopterin concentrations in neurodevelopmental disorder. BioMarin Pharmaceuticals Autism Submit, Denver, CO 2011 (Platform).
148. **Frye, R.E.** Oxidative stress in neurodevelopmental disorder. BioMarin Pharmaceuticals Neurotransmitter Submit, Chicago, IL 2011 (Platform).
149. **Frye, R.E.** Open-label trial of the behavior and metabolic effects BH4 supplementation in children with idiopathic cognitive developmental disorders. BioMarin Pharmaceuticals Investigator Sponsored Trial Investigator Meeting, Woodinville, WA 2011 (Platform).
150. **Frye, R.E.** The folate autoantibody in autism spectrum disorder. Arkansas Children's Hospital Pediatric Neurology Grand Rounds, Little Rock, AR 2012 (Platform)
151. **Frye, R.E.** Seizures in Autism: A New National Survey on Treatments, Talking About Curing Autism, Las Vegas, NV 2012 (Platform).
152. **Frye, R.E.** Mitochondrial Disorders in Autism, Talking About Curing Autism, Las Vegas, NV 2012 (Platform).
153. **Frye, R.E.** Autism Research at Arkansas Children's Hospital, Fraternal Order of Eagles, Mena, AR.
154. **Frye, R.E.** Immunological Abnormalities in Autism Spectrum Disorder. Arkansas Children's Hospital Pediatric Immunology Grand Rounds, Little Rock, AR 2012 (Platform)
155. **Frye, R.E.** Seizures in Autism. AutismOne, Chicago, IL 2012 (Platform).
156. **Frye, R.E.** Seizures in Autism. California Integrative Hyperbaric Center, Irvine, CA 2012 (Platform).
157. **Frye, R.E.** Neurological Abnormalities in Autism, Talking About Curing Autism, Philadelphia, PA 2012 (Platform).
158. **Frye, R.E.** Seizures in Autism, Talking About Curing Autism, Philadelphia, PA 2012 (Platform).
159. **Frye, R.E.** Mitochondrial Disorders in Autism, Talking About Curing Autism, Philadelphia, PA 2012 (Platform).
160. **Frye, R.E.** Epilepsy and Seizures in Autism, Talking About Curing Autism, Atlanta, GA 2012 (Platform).
161. **Frye, R.E.** Mitochondrial Disorders in Autism, Talking About Curing Autism, Atlanta, GA 2012 (Platform).
162. **Frye, R.E.** The Behavioral and Metabolic Effects of Kuvan in Neurodevelopment Disorders in an Open-Label Trial. BioMarin Pharmaceuticals Investigator Sponsored Trial Investigator Meeting, Berkley, CA 2012 (Platform).
163. **Frye, R.E.** Mitochondrial Disorders and Seizures in Autism. Talking About Curing Autism, Honolulu, HI 2012 (Platform).
164. **Frye, R.E.** Epilepsy and Seizures in Autism, Talking About Curing Autism, Costa Mesa, CA 2013 (Platform).

165. **Frye, R.E. Acylcarnitine Profiles in Autism Spectrum Disorder.** AutismOne, Chicago, IL 2013 (Platform).
166. **Frye, R.E. Oxidative Stress Induced Mitochondrial Dysfunction in Children with Autism Spectrum Disorder.** AutismOne, Chicago, IL 2013 (Platform).
167. **Frye, R.E. Epilepsy and Seizures in Autism,** Talking About Curing Autism Family Picnic, Anaheim, CA 2013 (Platform).
168. **Frye, R.E. immune and Metabolic Conditions in Patients with Autism Spectrum Disorder,** Interagency Autism Coordinating Committee, National Institutes of Health, Bethesda, MD 2013 (Platform).
169. **Frye, R.E. Epilepsy and Seizures in Autism,** National Autism Association, St. Petersburg, FL 2013 (Platform).
170. **Frye, R.E. First Signs of Autism,** Primer Taller de Capacitación en Trastornos del Desarrollo: Espectro Autista, Hospital Zambrano Hellion TecSalud, Monterrey, Nuevo León, Mexico.
171. **Frye, R.E. Screening for Autism,** Primer Taller de Capacitación en Trastornos del Desarrollo: Espectro Autista, Hospital Zambrano Hellion TecSalud, Monterrey, Nuevo León, Mexico.
172. **Frye, R.E. MD/PhD Lecture Series,** University of Arkansas for Medical Sciences Medical School, Little Rock AR 2014 (Platform)
173. **Frye, R.E. Cerebral Folate Deficiency and Autism: A Multicenter Double Blind Placebo Controlled Trial.** Schmieding Developmental Center, Lowell AR 2014 (Platform)
174. **Frye, R.E. Folinic Acid Intervention, Clinical Trials and Other Medical Treatments for Autism.** UAMS/ACH Centers for Children, Lowell AR 2014 (Platform)
175. **Frye, R.E. Biomedical Abnormalities Associated with Autism Spectrum Disorder and their Treatment.** Autism Research Institute International Conference, Moscow, Russia 2014 (Platform).
176. **Frye, R.E. Seizure and Epilepsy in Autism Spectrum Disorder.** Autism Research Institute International Conference, Moscow, Russia 2014 (Platform).
177. **Frye, R.E., Rose, S. Oxidative Stress Induced Mitochondrial Dysfunction in Children with Autism Spectrum Disorder.** University of Alabama Center for Free Radical Biology, Birmingham AL 2014 (Platform).
178. **Frye, R.E. Oxidative Stress Induced Mitochondrial Dysfunction in Autism.** Autism One. [Main Sessions and Workshop] Chicago IL 2014 (Platform).
179. **Frye, R.E. Oxidative Stress Induced Mitochondrial Function Associated with Autism.** United Mitochondrial Disease Foundation Parent Conference. Pittsburg PA 2014 (Platform).
180. **Frye, R.E. Adaptive Changes in Mitochondrial Function Associated with Autism.** Autism Research Institute Think Tank, Toronto CA 2014 (Platform).
181. **Frye, R.E. Mitochondrial Function Alterations From Microbiome Metabolites in Children with Autism.** International Symposium on the Microbiome in Health and Disease with a Special Focus on Autism, Little Rock AR 2014 (Platform).
182. **Frye, R.E. Biomedical Abnormalities Associated with Autism Spectrum Disorder and their Treatment.** Arkansas Children's Hospital Pediatric Neurology Grand Rounds, Little Rock, AR 2014 (Platform)

183. **Frye, R.E.**, Goh, S., Kahler, S. **Mitochondrial Dysfunction**, Autism Education Summit, Dallas TX 2014 (Platform).
184. **Frye, R.E.**, **Seizures**, Autism Education Summit, Dallas TX 2014 (Platform).
185. **Frye, R.E.**, **Neurology**, Autism Education Summit, Dallas TX 2014 (Platform).
186. **Frye, R.E.**, Rossignol, D.A. **Medical Workshop**, Autism Education Summit, Dallas TX 2014 (Platform).
187. **Frye, R.E.** **Epilepsy and Seizures in Autism**, National Autism Association, St. Petersburg, FL 2014 (Platform).
188. **Frye, R.E.** **Clinical Aspects of Mitochondrial Dysfunction in Neuropsychiatric Disorders**. University of Alabama Mitochondrial Symposium: Translational and Applied Bioenergetics, Birmingham AL 2015 (Platform).
189. **Frye, R.E.** **Physiological Abnormalities Associated with Autism and Their Treatment**. Houston Astros Special Event. Houston TX 2015 (Platform).
190. **Frye, R.E.** **Treatable Causes of Autism**. Autism One. Chicago IL 2015 (Platform).
191. **Frye, R.E.** **Epilepsy and Seizures in Autism**, National Autism Association, 2015 (Webinar).
192. **Frye, R.E.** **Neurometabolic Disorders Associated with Autism**, Shenzhen Autism International Conference, Shenzhen China, 2015 (Platform).
193. **Frye, R.E.** **Treatment for Mitochondrial Disorders**, OPTIONS Downs Conference, Little Rock AR 2015 (Platform)
194. **Frye, R.E.** **The role of melatonin in the treatment of ASD**. European College of Neuropsychopharmacology Congress, Amsterdam, The Netherlands 2015 (Platform)
195. **Frye, R.E.**, **Metabolism**, Autism Education Summit, Dallas TX 2015 (Platform).
196. **Frye, R.E.**, **Neurology**, Autism Education Summit, Dallas TX 2015 (Platform).
197. **Frye, R.E.**, **Clinical Cases**, Autism Education Summit, Dallas TX 2015 (Platform).
198. **Frye, R.E.**, Kahler, S. **Autism Center of Excellence at Arkansas Children's Hospital**. Arkansas Legislative Task Force on Autism, State of Arkansas, Little Rock, AR 2015 (Platform)
199. **Frye, R.E.** **Epilepsy and Seizures in Autism**, National Autism Association, St. Petersburg, FL 2015 (Platform).
200. **Frye, R.E.**, Kahler, S. **Cutting Edge Medical Care in a Precision Medicine Autism Multispecialty Clinic**. Genetic Section Clinical Case Conference, Arkansas Children's Hospital, Little Rock, AR 2016 (Platform)
201. **Frye, R.E.** **Unique Mitochondrial Dysfunction in the Autism Gut: Relation to Microbiome Metabolites**. Autism Research Institute Think Tank. Dallas, TX 2016 (platform)
202. **Frye, R.E.** **Neuroimmune Aspects of Neurodevelopmental Disorders: Application to Autism Spectrum Disorder**. Moleculera Labs. Oklahoma City, OK 2016 (Platform).

Continuing Medical Education Lectures

203. **Frye, R.E.** **The Neurological Basis of Learning Disabilities**. Texas Pediatric Society, Woodlands, TX 2008 (Platform)
204. **Frye, R.E.** **Energy Deficits: Autism and Mitochondrial Problems**. Autism Society of America. Dallas, TX 2010 (Platform)

205. **Frye, R.E. Neurological Abnormalities in ASD: Level 1 Clinician Seminar.** Autism Research Institute Fall Conference, Long Beach, CA, 2010 (Platform)
206. **Frye, R.E. Neurological Abnormalities in ASD: Level 2 Clinician Seminar.** Autism Research Institute Fall Conference, Long Beach, CA, 2010 (Platform)
207. **Frye, R.E. The Role of the Nervous System in Autism Spectrum Disorder.** Autism Research Institute Fall Conference, Long Beach, CA, 2010 (Platform)
208. **Frye, R.E. The Effectiveness of Traditional and Non-Traditional Treatments for Children with Autism and Seizures.** Autism Research Institute Fall Conference, Long Beach CA, 2010 (Platform)
209. **Frye, R.E. Neurology: Level 1 Clinician Seminar.** Autism Research Institute Spring Conference, Atlanta, GA, 2011 (Platform)
210. **Frye, R.E. The Role of the Nervous System in ASD.** Autism Research Institute Spring Conference, Atlanta, GA, 2011 (Platform)
211. **Frye, R.E. The Effectiveness of Traditional and Non-Traditional Treatments for Children with Autism and Seizures: Evening Workshop.** Autism Research Institute Spring Conference, Atlanta, GA, 2011 (Platform)
212. **Frye, R.E. Medical Disorders Associated with Autism: Pathways for Treatments that Augment Recovery.** Team Up: Evidence Based Interventions for Children with Autism Conference, Little Rock AR 2011 (Platform)
213. **Frye, R.E. The Role of the Nervous System in ASD.** AutismOne CME Program for Professionals, 2011 Chicago IL (Platform)
214. **Frye, R.E. Neurological abnormalities in ASD: Level 1 Clinician Seminar.** Autism Research Institute Fall Conference, Las Vegas, NV, 2011 (Platform)
215. **Frye, R.E. Clinical Update: Tetrahydrobiopterin (BH4) in Autism Spectrum Disorder.** Autism Research Institute Fall Conference, Las Vegas, NV, 2011 (Platform)
216. **Frye, R.E. Clinical Update: Mitochondrial Dysfunction in Autism Spectrum Disorder.** Autism Research Institute Fall Conference, Las Vegas, NV, 2011 (Platform)
217. **Frye, R.E. Mitochondrial and metabolic abnormalities.** Medical Academy of Pediatric Special Needs. Las Vegas, NV, 2012 (Platform).
218. **Frye, R.E. Neurology and neurophysiology.** Medical Academy of Pediatric Special Needs. Las Vegas, NV, 2012 (Platform).
219. **Frye, R.E. Neurological abnormalities in Autism Spectrum Disorder.** Autism Research Institute Spring Conference, Newark, NJ 2012 (Platform)
220. **Frye, R.E. Neurological abnormalities in Autism Spectrum Disorder.** AutismOne, Chicago, IL 2012 (Platform)
221. **Frye, R.E. Overview: Introduction to neurology and neurophysiology.** Medical Academy of Pediatric Special Needs. Orlando, FL 2012 (Platform).
222. **Frye, R.E. Overview: Neurotransmitters and seizures.** Medical Academy of Pediatric Special Needs. Orlando, FL 2012 (Platform).
223. **Frye, R.E. Advanced: Neurological abnormalities.** Medical Academy of Pediatric Special Needs. Orlando, FL 2012 (Platform).
224. **Frye, R.E. Advanced: Seizures and neurotransmitters.** Medical Academy of Pediatric Special Needs. Orlando, FL 2012 (Platform)

225. **Frye, R.E. Advanced: Metabolic abnormalities.** Medical Academy of Pediatric Special Needs. Orlando, FL 2012 (Platform)
226. **Frye, R.E. Neurology of Autism Spectrum Disorder.** Hawaii Autism Foundation, Honolulu, HI 2012 (Platform)
227. **Frye, R.E. Neurobiology of Autism Spectrum Disorder.** Arkansas Children's Hospital Child Neurology Grand Rounds, Little Rock, AR 2012 (Platform)
228. **Frye, R.E. Foundations of Metabolism.** Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2013 (Platform)
229. **Frye, R.E. Foundations of Neurology.** Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2013 (Platform)
230. **Frye, R.E. MAPS in Clinical Practice.** Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2013 (Platform)
231. **Frye, R.E. Cutting Edge and Novel Treatments.** Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2013 (Platform).
232. **Frye, R.E. Acquired Mitochondrial Disorders in Children with Autism Spectrum Disorder.** NAAvigating the Maze: Current Trends in Autism Research. New York, NY 2013 (Platform).
233. **Frye, R.E. Cerebral Folate Deficiency in Autism Spectrum Disorder.** NAAvigating the Maze: Current Trends in Autism Research. New York, NY 2013 (Platform).
234. **Frye, R.E. Foundations of Neurology.** Medical Academy of Pediatric Special Needs. Tampa, FL 2013 (Platform).
235. **Frye, R.E. Potentially Reversible Causes of Autism.** Medical Academy of Pediatric Special Needs. Tampa, FL 2013 (Platform).
236. **Frye, R.E. N-acetylcysteine Treatment in Autism.** Medical Academy of Pediatric Special Needs. Tampa, FL 2013 (Platform).
237. **Frye, R.E. Connecting the Pieces: Treatable Causes of Autism.** Autism Society West New York Chapter. Buffalo, NY 2013 (Platform).
238. **Frye, R.E. Novel Treatments for Potentially Reversible Causes of Autism Spectrum Disorder.** Arkansas Children's Hospital Neurology Grand Rounds, Little Rock AR 2013 (Platform).
239. **Frye, R.E. Neurobiological Basis of Autism Spectrum Disorder.** University of Arkansas for Medical Sciences Neurology Grand Rounds, Little Rock AR 2013.
240. **Frye, R.E. Foundations of Neurology.** Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2014 (Platform).
241. **Frye, R.E. Neurotransmitters and Neurotransmission.** Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2014 (Platform).
242. **Frye, R.E. Foundations of Neurology.** Medical Academy of Pediatric Special Needs. Orlando, FL 2014 (Platform).
243. **Frye, R.E. Neuroanatomy of Autism.** Interdisciplinary Perspectives on Autism Spectrum Disorder. University of Central Arkansas, Conway, AR 2014 (Platform).
244. **Frye, R.E. The Mito Cocktail: Using supplements as a frontline treatment approach,** Managing Mitochondrial Disease: Current Trends and Perspectives, Atlanta, GA 2015 (Platform).

245. **Frye, R.E. Mito-Autism: The new co-diagnosis of autism with mitochondrial dysfunction**, Managing Mitochondrial Disease: Current Trends and Perspectives, Atlanta, GA 2015 (Platform).
246. **Frye, R.E. Foundations of Neurology, Foundations of MAPS**. Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2015 (Platform).
247. **Frye, R.E. Reversible Causes of Autism, ACM: Metabolism**. Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2015 (Platform).
248. **Frye, R.E. Update on New Research, Special Session: Metabolism / Mito**. Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2015 (Platform).
249. **Frye, R.E. Cases, Special Session: Metabolism / Mito**. Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2015 (Platform).
250. **Frye, R.E. Cases, Special Session: Advanced Clinical Cases**. Medical Academy of Pediatric Special Needs. Costa Mesa, CA 2015 (Platform).
251. **Frye, R.E. Diagnosis and Treatment of Autism: A Practical Approach**. Arkansas Academy of Family Practice. Little Rock, AR 2015 (Platform).
252. **Frye, R.E. Foundations of Neurology, Foundations of MAPS**. Medical Academy of Pediatric Special Needs. Orlando FL 2015 (Platform).
253. **Frye, R.E. Reversible Causes of Autism, ACM: Metabolism**. Medical Academy of Pediatric Special Needs. Orlando FL 2015 (Platform).
254. **Frye, R.E. Epilepsy and Seizures, ACM: Neurology**. Medical Academy of Pediatric Special Needs. Orlando FL 2015 (Platform).
255. **Frye, R.E. Neurotransmitters, ACM: Neurology**. Medical Academy of Pediatric Special Needs. Orlando FL 2015 (Platform).
256. **Frye, R.E. Potentially Reversible Causes of Autism**. Pediatric Neuroscience Grand Rounds. Arkansas Children's Hospital, Little Rock, AR 2015 (Platform).
257. **Frye, R.E. Potentially Reversible Causes of Autism**. Psychiatric Grand Rounds. University of Arkansas for Medical Sciences, Little Rock, AR 2015 (Platform).
258. **Frye, R.E. The Microbiome in Health and Disease: A Practical Approach**. Arkansas Academy of Family Practice. Little Rock, AR 2015 (Platform).

Conference Sessions Chaired or Moderated

259. **Frye, R.** Co-Chaired. Session on Neuroimaging, WSEAS International Conference on Computers, Crete Greece 2007.
260. **Frye, R.E** Moderator, The Elias Tembenis Seizures Think Tank, Autism One Canada. Toronto, Canada 2009
261. **Frye, R.E.** and Adams, J. Moderators, The Elias Tembenis Seizures Think Tank, Autism One. Chicago IL 2010
262. **Frye, R.E.** and Adams, J. Moderators, Elias Tembenis Think Tank, Autism One. Chicago IL 2011.
263. **Frye, R.E.** Moderator, Metabolism -- Alternative Complementary Medicine. Medical Academy of Pediatric Special Needs. Tampa, FL 2013.
264. **Frye, R.E.** and Slattery and Rodakis, Moderators. International Symposium on the Microbiome in Health and Disease with a Special Focus on Autism, Little Rock AR 2014.

265. **Frye, R.E.**, Moderator. International Workshop on the Microbiome in Autism, Little Rock AR 2014.

Undergraduate and Graduate Dialectic Lectures Given

- 2009 **Frye, R.E. The Neurological Basis of Developmental Disorders.** Cognitive Neuroscience, Department of Psychology, Rice University, Houston, TX
- 2010-11 **Frye, R.E. Methods in Cognitive Neuroscience II: Electroencephalography and Magnetoencephalography.** Introduction of Cognitive Neuroscience, Department of Neuroanatomy, University of Texas, Houston TX
- 2010-11 **Frye, R.E. Neurobiology of Disease: Dyslexia.** Introduction of Cognitive Neuroscience, Department of Neuroanatomy, University of Texas, Houston TX
- 2010-11 **Frye, R.E. Neurobiology of Disease: Autism.** Introduction of Cognitive Neuroscience, Department of Neuroanatomy, University of Texas, Houston TX

Workshops and Think Tanks

1. Autism Research Institute Think Tank, Autism Research Institute, Baltimore 2009
2. The Elias Tembenis Seizures Think Tank, Autism One. Chicago IL 2009
3. The Elias Tembenis Seizures Think Tank, Autism One Canada. Toronto, Canada 2009
4. Autism Research Institute Think Tank, Autism Research Institute, Baltimore 2010
5. The Elias Tembenis Seizures Think Tank, Autism One. Chicago IL 2010
6. Autism Research Institute Think Tank, Autism Research Institute, Baltimore 2011
7. The Elias Tembenis Think Tank, Autism One. Chicago IL 2011
8. Translating Mechanisms to Treatment Working Group. University of California San Francisco, San Francisco, CA 2012
9. Autism Research Institute Think Tank, Autism Research Institute, Baltimore 2013
10. Medical Academy of Pediatric Special Needs Think Tank, Costa Mesa CA 2014
11. Think Tank, Autism One. Chicago IL 2014
12. Parent Workshop on Mitochondrial Disease and Autism, United Mitochondrial Disease Foundation Conference, Pittsburg, PA
13. Examining a Multi-Systems Approach to Autism and the Environment: Challenges and Opportunities for Research. Autism Research Institute, Toronto 2014
14. International Workshop on the Microbiome in Autism, Little Rock AR 2014.
15. American-Chinese Autism International Forum Steering Committee Workshop, China, 2015
16. Autism Research Institute Think Tank, Autism Research Institute, Dallas TX 2016