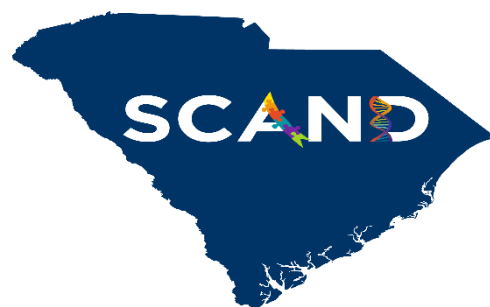


**South Carolina Autism and Neurodevelopmental  
Disorders Consortium (SCAND)**

Symposium Agenda

10/9/2017

USC Alumni Center (Ballroom 2-3)



- 8:30-9:00 am Arrival and continental breakfast (poster set-up)
- 9:00-9:15 am Introduction: Dr. Walter Kaufmann, Greenwood Genetics Center  
Roger Stevenson, MD. (GGC) *History of ASD/NDD in SC and SCAND*
- 9:15-10:15 am Introduction: Dr. Steven Skinner: Director Greenwood Genetics Center  
Representative James Smith (District 72- Richland County)  
Morning session (3 x 15 min talks with discussion time)
- Dr. Laura Carpenter (MUSC) *SPARK for Autism.*
  - Dr. Sofia Lizarraga (USC) *Modeling Neurodevelopmental disorders with Stem cell technology*
  - Dr. Adam Harrington (MUSC) *The autism-linked gene MEF2C regulates PCDH17 to control cortical synapse density.*
- 10:15-11:30 am Poster session (coffee, tea, snacks available)
- 11:30-12:00 am SC ASD Stakeholder Blitz I
- 12:00-1:30 pm Lunch on your own
- 1:30-2:30 pm Introduction: Dr. Prakash Nagarkatti, USC Vice President for Research  
Senator Tom Davis (District 46- Beaufort & Jasper Counties)- *Legislation on Autism*  
Keynote address– Marsha Mailick *FMR1 CGG Expansions: Prevalence, Genotype-Phenotype Associations, and Gene X Environment Interactions*
- 2:30-3:30 pm Introduction: Les Hall, M.D. Dean of USC School of Medicine  
Afternoon session (3 x 15 min talks with discussion time)
- Dr. Manuel Casanova (SOM-Greenville) *Autism: Translating Benchtop Research into Clinical Interventions*
  - Dr. John Richards (USC) *Neural correlates of face processing in infants with FXS and ASIBS*
  - Dr. Jane Joseph (MUSC) *Neurobehavioral indices of social and cognitive processing in Autism Spectrum Disorder*
- 3:30-3:45 pm Break
- 3:45-4:15 pm SC ASD Stakeholder Blitz II
- 4:15-5:15 pm Introduction: Dr. Lacy Ford, Dean of USC College of Arts and Sciences  
Focused panel discussion
- Dr. Fabienne Poulain (USC) — *From neuron to circuit: studying neurodevelopment in zebrafish*
  - Dr. Walter Kaufmann (GGC) — *Neurobiologically-based treatments in Rett syndrome: from mice to women*
  - Dr. Jeff Twiss (USC) *Perspectives on the Symposium and Where do we go next?*
- 5:30-6:30 pm Invited Guest Reception in President's Room
- 6:30-8:00 pm Invited Guest Dinner in President's Room

### Number Assignments for Poster Presentations

Poster #	Presenter	Department	Title
1	Ruth Abramson	PE2:E36 professor, University of South Carolina School of Medicine	<i>Depressive symptoms in siblings of children with ASD in African American Families</i>
2	Adewale Adeluyi	College of Pharmacy, USC. Drug Discovery and Biomedical Sciences	<i>N-Acetylcysteine Attenuates ROS Production and Associated EAAT2 Downregulation During Nicotine Withdrawal in the Nucleus Accumbens of Mice.</i>
3	Hussam Alsarraf	Student, MUSC	<i>High Frequency rTMS Reduces Depressive and Autistic Symptoms in Adults in an Open Label Pilot Study</i>
4	Connor Black	Doctoral Candidate, Psychology: USC, Columbia	<i>Early markers of social anxiety in unaffected siblings of children with autism</i>
5	Luigi Boccutto	Research Scientist, Greenwood Genetic Center	<i>Novel treatment approaches for autism spectrum disorder: an in vitro model</i>
6	Josh Bratch-Prince	Graduate Student, University of South Carolina School of Medicine	<i>Activation of mAChRs generates synchronized inhibition in BLA pyramidal cells</i>
7	Carrie Buchanan	MD, Greenwood Genetic Center	<i>Anxiety in Rett Syndrome: Insights from the Natural History Study</i>
8	Emliy Casanova	Postdoctoral Fellow; USC Greenville SOM	<i>The Feature Landscape of Autism Risk Genes Indicates their Enrichment in Developmental Regulation</i>
9	SeonHye Cheon	Researcher, University of South Carolina	<i>Studies on the chromatin regulatory factor ASH1L in human neuronal development</i>
10	Mara Cowen	Department of Biological Sciences, University of South Carolina	<i>Molecular Mechanisms of Warburg Micro Syndrome: A Model for Intellectual Disability</i>
11	SaDazia Driffin	Undergraduate, Claflin University	<i>Effect of Limonene on Developing Human Brain Neurons</i>
12	Stephen Firsing	Assistant Professor, Coastal Carolina University	<i>Description of 2010-2015 Medicaid beneficiaries in South Carolina with diagnosis of autism- and neurodevelopmental-related disorders</i>
13	Miranda Fisher	Graduate Student, College of Pharmacy, USC	<i>The Role of Hippocampal Neuregulin-3 Signaling in Mediating Nicotine Withdrawal Induced Phenotypes</i>
14	Zachary Gerstner	Undergraduate Research Assistant, Clemson Microbiology	<i>Widespread Genotype-Phenotype Correlations in Intellectual Disability</i>
15	Pankaj Ghatge	Postdoctoral fellow, University of South Carolina	<i>Investigating the molecular pathways underlying Warburg Syndrome in Stem Cell derived human cortical neurons</i>
16	Brian Gudenias	Graduate Student, Clemson University	<i>Integrative genomic analyses for identification and prioritization of long non-coding RNAs associated with autism</i>
17	Adam Harrington	Postdoctoral fellow, MUSC	<i>Social deficits in a mouse model of MEF2C Haploinsufficiency Syndrome</i>
18	Victoria Henbest	Doctoral candidate, University of South Carolina	<i>Factors that Contribute to Word Reading in Males with fragile X syndrome</i>

19	Timothy Hines	Graduate student, University of South Carolina Dept. Biological Sciences	<i>An essential post-developmental role for Lis1 in mice</i>
20	J. Megan Irwin	Post-doctoral Researcher Yvonne & Schuyler Moore Child Development Research Center University of South Carolina	<i>Do you see what I see? Visual attention to motor skill instructional supports in ASD</i>
21	Walter Kaufmann	Professor of Neurology, Greenwood Genetic Center	<i>Assessment of Rating Scales for Autism Spectrum Disorder in Fragile X Syndrome</i>
22	Amar Kar	Post-doctoral Fellow, Dept. Biological Sciences, University of South Carolina	<i>MicroRNA-199a-3p and -21 directly influence axon growth potential through modulation of PTEN and mTOR.</i>
23	Katy Pilarzyk	Graduate Student, Depart of Pharmacology, Physiology & Neuroscience, University of South Carolina SOM	<i>The Role Of PDE11A4 In Isolation-Induced Neuroinflammation And Social Deficits</i>
24	SeungJoon Lee	Department of Biological Sciences, University of South Carolina, Columbia, SC	<i>Alternative splicing of Cdc42 mRNA supports axon growth by asymmetrical localization into axons</i>
25	Shayla Lester	Research Specialist, MUSC	<i>Altered Network Topology in Adolescents with Autism</i>
26	Syeda Madhia	Undergraduate, Claflin University	<i>Effects of Eight Essential Perfume Ingredients on Developing Human Fetal Brain Neurons</i>
27	Guastavo Martinez	Post-Bac, University of South Carolina	<i>Transcriptome signatures associated with maternal immune activation in the developing brain and autism spectrum disorders</i>
28	Duncan Nowling	Undergraduate, University of South Carolina	<i>Cellular mechanisms associated with RAB3GAP1 dysregulation and relevance to Warburg Microsyndrome pathology</i>
29	Priyanka Patel	University of South Carolina, Biological Sciences, Postdoctoral Fellow	<i>Loss of KSRP allele increases spine density on prefrontal cortical pyramidal neurons</i>
30	Gerardo Piroli	Research Assistant Professor, Department of Pharmacology, Physiology and Neuroscience,, University of South Carolina SOM	<i>Dihydrolipoamide succinyltransferase as a target of succination in the brain of the NDUFS4 KO mouse.</i>
31	Estate Sokhadaze	Research Professor of Biomedical Sciences, University of South Carolina School of Medicine-Greenville	<i>An ERP study of atypical processing of novel distracters in a visual oddball task in children with autism spectrum disorder</i>
32	Estate Sokhadaze	Professor, University of South Carolina School of Medicine-Greenville	<i>Neurofeedback Training in High-Functioning Children with Autism</i>
33	Olivia Spread	University of South Carolina	<i>Specific Roles of Glypican3 in Axon Sorting and Topographic Map Formation in the Developing Visual System</i>

<b>34</b>	Tine Verreet	Postdoctoral Fellow, Dept. Biological Sciences, University of South Carolina	<i>In vivo functions of mitochondrial dynamics in axon outgrowth and guidance</i>
<b>35</b>	Carla Wall	Doctoral Candidate, Psychology-USC, Columbia	<i>The Relation Between Attentional Disengagement, Autism Symptoms, and Attention Problems in Children with Neurodevelopmental Disorders</i>
<b>36</b>	Kiana Ware	Undergraduate, Claflin University	<i>Effect of Eugenol on Developing Fetal Brain Neurons</i>
<b>37</b>	Cory Weaver	Postdoctoral Fellow, Biological Sciences, USC	<i>Developing a vertebrate model of dystonia 16</i>
<b>38</b>	Alyssa West	University of South Carolina, Department of Chemistry and Biochemistry	<i>A fundamental chemical analysis of serotonin transmission in genetic and environmental autism spectrum disorder models.</i>
<b>39</b>	Modi Wetzler	Research Assistant Professor, Clemson University	<i>Designing Therapeutics to Target Creatine Transporter Deficiency</i>
<b>40</b>	Elizabeth Will	Postdoctoral Fellow University of South Carolina	<i>Adaptive Behavior Trends in Infants and Toddlers with DS and FXS</i>
<b>41</b>	Samuel Burnett	Ph.D. Student, Rekha C. Patel Lab	<i>Molecular mechanisms associated with early onset primary dystonia (DYT16) caused by mutations in PACT</i>
<b>42</b>	Susan Chapman	Associate Professor Clemson University	
<b>43</b>	Ahlem Assali	Postdoctoral Research fellow, MUSC	<i>Role of Mef2C in the mature medial prefrontal cortex</i>
<b>44</b>			