

## Presentations by SFARI Investigators, collaborators and SFARI staff at Neuroscience 2018

ORAL PRESENTATIONS				
Date	Time	Presenter	Presentation title	SFARI Investigators
November 3	3.20 – 3.55 p.m.	<a href="#">Christopher Walsh</a>	<a href="#">The genetics of human connectivity</a>	
November 4	2:00 – 2:15 p.m.	Hye Young Lee	<a href="#">Nanoparticle delivery of CRISPR into the brain rescues a mouse model of fragile X syndrome from exaggerated repetitive behaviors</a>	
	2:30 - 3:40 p.m.	<a href="#">Ann Graybiel</a>	<a href="#">The striatum and decision-making based on value</a>	
	5:15 - 6:30 p.m.	<a href="#">Catherine Dulac</a>	<a href="#">Neurobiology of social behavior circuits</a>	
November 5	8:00 - 8:15 a.m.	Jason Wolff	<a href="#">Longitudinal diffusion tensor imaging study of infants at low and high risk for autism</a>	<a href="#">Joseph Piven</a> <a href="#">Robert Schultz</a>
	8:15 - 8:30 a.m.	Adam Eggebrecht	<a href="#">Restricted and repetitive behavior and brain functional connectivity in infants at risk for developing autism spectrum disorder</a>	<a href="#">Joseph Piven</a> <a href="#">Robert Schultz</a> <a href="#">Lonnie Zwaigenbaum</a>
	8:30 - 8:45 a.m.	Abigail Dickinson	<a href="#">Atypical circuit level brain activity in infants at high risk for autism spectrum disorder</a>	<a href="#">Shafali Jeste</a>
	8:45 - 9:00 a.m.	Laurel Gabard-Durnam	<a href="#">An EEG biomarker quantifying sensitive period onset in autism spectrum disorder</a>	<a href="#">Charles Nelson</a> <a href="#">Helen Tager-Flusberg</a>
	9:00 - 9:15 a.m.	Carol Wilkinson	<a href="#">EEG markers of language development in infants and toddlers at risk for autism spectrum disorder</a>	<a href="#">Charles Nelson</a> <a href="#">Helen Tager-Flusberg</a>
	10:15 - 10:30 a.m.	Yangfeifei Gao	<a href="#">Anatomical correlates of language connectivity-based subgrouping in autism spectrum disorder</a>	<a href="#">Ruth Carper</a>

	10:30 - 10:45 a.m.	Afroz Jahedi	<a href="#">Functional connectivities are more informative than anatomical variables in diagnostic classification of autism</a>	<a href="#">Ruth Carper</a>
	11:00 - 11:15 a.m.	Sophie Schwartz	<a href="#">Response to own name in noise differs in autistic adolescents with severe language impairments</a>	<a href="#">Helen Tager-Flusberg</a>
	11:15 - 11:30 a.m.	Janice Hau	<a href="#">The cingulum and cingulate U-fibers in children and adolescents with autism spectrum disorders</a>	<a href="#">Ruth Carper</a>
	1:00 - 2:00 p.m.	<a href="#">Jessica Cardin</a> <a href="#">Vikaas Sohal</a>	<a href="#">Gamma – Fumes or Fundamental</a>	
	2:30 - 2:45 p.m.	<a href="#">Rui Peixoto</a>	<a href="#">Abnormal corticostriatal development underlies the onset of behavioral deficits in Shank3B<sup>-/-</sup> mice</a>	<a href="#">Bernardo Sabatini</a>
November 6	10:00 - 10:15 a.m.	Bernard Bloem	<a href="#">Two-photon imaging of striosomes and matrix in mice demonstrates overlapping and distinct functions in reinforcement learning</a>	<a href="#">Ann Graybiel</a> <a href="#">Mriganka Sur</a>
	10:15 - 10:35 a.m.	<a href="#">Ofer Yizhar</a>	<a href="#">Reward-associated modulation of excitatory-inhibitory dynamics in the prefrontal cortex</a>	
	1:00 - 1:15 p.m.	Wendy Wenderski	<a href="#">Mendelian autism caused by mutations in BAF53b that disrupt activity-dependent chromatin repression</a>	<a href="#">Gerald Crabtree</a> <a href="#">Joseph Gleeson</a> <a href="#">Liqun Luo</a> <a href="#">Robert Malenka</a>
	1:30 - 1:45 p.m.	<a href="#">M. Albert Basson</a>	<a href="#">The autism-associated chromatin remodeler CHD8 regulates neurodevelopmental gene expression, brain growth and functional connectivity</a>	<a href="#">Alessandro Gozzi</a> <a href="#">Jason Lerch</a>
	1:45 - 2:00 p.m.	Anna Gennadiy Vorobyeva	<a href="#">Ultra Rare inherited and <i>de novo</i> mutations in eIF2a kinases disrupt protein synthesis and contribute to autism-associated clinical phenotypes</a>	<a href="#">Ivan Iossifov</a> <a href="#">Eric Klann</a>
	2:00 - 2:15 p.m.	Morgan Kleiber	<a href="#">Deletion of CACNG2 (Stargazin) in a personalized mouse model of autism spectrum disorder (ASD)</a>	<a href="#">Jonathan Sebat</a>
	2:15 - 2:30 p.m.	Megha Amar	<a href="#">Functional genomics approaches identify pathways dysregulated by the 16p11.2 autism-linked CNV</a>	<a href="#">Lilia Iakoucheva</a> <a href="#">Alysson Muotri</a>

	2:30 - 2:45 p.m.	Thomas Nickl-Jockschat	<a href="#">Linking spatial gene expression patterns to sex-specific brain structural changes on a mouse model of 16p11.2 hemideletion</a>	<a href="#">Ted Abel</a>
	2:30 - 2:45 p.m.	Vedakumar Tataavarty	<a href="#">Regulation of homeostatic plasticity by Shank3</a>	<a href="#">Gina Turrigiano</a>
	4:00 - 4:15 p.m.	Hilary Richardson	<a href="#">How language facilitates theory of mind development: Behavioral and fMRI evidence in children with delayed access to language</a>	<a href="#">Rebecca Saxe</a>
November 7	8:00 - 8:15 a.m.	Nadeem Murtaza	<a href="#">Identifying the role of TAO2 in brain development and the 16p11.2 CNV microdeletion</a>	<a href="#">Stephen Scherer</a> <a href="#">James Ellis</a>
	8:15 - 8:30 a.m.	<a href="#">Lilia Iakoucheva</a>	<a href="#">Cerebral organoid and animal models targeting the pathway dysregulated by 16p11.2 autism CNV</a>	<a href="#">Alysson Muotri</a>
<b>POSTER PRESENTATIONS</b>				
Date	Time	Presenter	Poster title	SFARI Investigators/staff
November 3	1:00 - 2:00 p.m.	Cesar Canales	<a href="#">Alterations in mouse cortical development following mid-gestational Poly(I:C)-mediated maternal immune activation</a>	<a href="#">Alex Nord</a> <a href="#">Kimberley McAllister</a>
	2:00 - 3:00 p.m.	Carina Lea Block	<a href="#">Prenatal air pollution and maternal stress alter brain development in the anterior cingulate cortex</a>	<a href="#">Cagla Eroglu</a>
	3:00 - 4:00 p.m.	Valerio Zerbi	<a href="#">The autism mouse brain connectome project</a>	<a href="#">Alessandro Gozzi</a> <a href="#">Michela Fagiolini</a> <a href="#">Jason Lerch</a>
	3:00 - 4:00 p.m.	Amandine Fernandez	<a href="#">The GABA developmental shift is abolished by maternal immune activation already at birth</a>	<a href="#">Yehezkel Ben-Ari</a>
	3:00 - 4:00 p.m.	Lei Xing	<a href="#">Functions of Neurofibromin in cortical circuit development</a>	<a href="#">Mark Zylka</a>
	4:00 - 5:00 p.m.	Loredana Georgiana Stoica Ghita	<a href="#">Dissecting the contributions of Foxp1 and Foxp2 to motor behavior</a>	<a href="#">Rui Costa</a>
November 4	8:00 - 9:00 a.m.	Russell Port	<a href="#">Children with autism spectrum disorder demonstrate regionally altered resting-state alpha-to-gamma phase-amplitude coupling as well as resting-state band-passed power</a>	<a href="#">Timothy Roberts</a>

8:00 - 9:00 a.m.	<a href="#">Alice Luo Clayton</a>	<a href="#">Towards preclinical validation of arbaclofen (R-baclofen) treatment for 16p11.2 deletion syndrome</a>	<a href="#">Ted Abel</a> <a href="#">Jacqueline Crawley</a> <a href="#">Sandeep Robert Datta</a> <a href="#">Brigitta Gundersen</a> <a href="#">Yann Hernaut</a> <a href="#">Timothy O'Brien</a>	
8:00 - 9:00 a.m.	Kathryn Anne McNaughton	<a href="#">Neural response to dynamic and static faces in adults with autism spectrum disorder and typical development</a>	<a href="#">James McPartland</a>	
9:00 - 10:00 a.m.	Lisa Yankowitz	<a href="#">Dissociating regional gray matter density and volume in children and adolescents with autism spectrum disorder</a>	<a href="#">Robert Schultz</a>	
8:00 – 9:00 a.m.	Perry William Eric Spratt	<a href="#">The autism-associated gene <i>Scn2a</i> plays an essential role in dendritic excitability, synaptic stability, and learning</a>	<a href="#">Kevin Bender</a> <a href="#">Stephan Sanders</a>	
9:00 - 10:00 a.m.	Dmitry Velmeshev	<a href="#">Single-cell analysis implicates upper-layer neurons and protoplasmic astrocytes in autism</a>	<a href="#">Arnold Kriegstein</a>	
9:00 – 10:00 a.m.	Wei Wu	<a href="#">Human iPSCs-derived cerebral organoids reveal increased intrinsic neuronal excitability in an autistic subject harboring <i>cacng2</i> mutation</a>	<a href="#">Alysson Muotri</a> <a href="#">Jonathan Sebat</a>	
10:00 – 11:00 a.m.	Roya Bina	<a href="#">SUPT16H <i>de novo</i> mutations in patients with neurodevelopmental disorders</a>	<a href="#">Elliot Sherr</a>	
10:00 - 11:00 a.m.	Don-Wook Kim	<a href="#">Characterization of cell-types in the ventromedial hypothalamus which mediate innate social behaviors</a>	<a href="#">David Anderson</a>	
10:00 - 11:00 a.m.	Xuan Amelia Tran	<a href="#">Hyperconnectivity during language processing in infants at risk for ASD</a>	<a href="#">Shafali Jeste</a>	
10:00 - 11:00 a.m.	Pu-Yun Shih	<a href="#">Investigation of the role of CTTNBP2 in autism spectrum disorder</a>	<a href="#">Yi-Ping Hsueh</a>	
11:00 a.m.- 12:00 p.m.	Katrina Choe	<a href="#">Oxytocin normalizes altered social circuit connectivity in the <i>Cntnap2</i> knockout mouse</a>	<a href="#">Daniel Geschwind</a>	

	11:00 a.m. - 12:00 p.m.	<a href="#">Thomas Maynard</a>	<a href="#">Increased cellular stress disrupts migration of cortical interneurons in the LgDel model of 22q11.2 DS</a>	<a href="#">Anthony LaMantia</a>
	11:00 a.m. - 12:00 p.m.	Jorge Urresti	<a href="#">Cerebral organoids from autism patients provide insights into dysregulated molecular pathways</a>	<a href="#">Lilija Iakoucheva</a> <a href="#">Alysson Muotri</a>
	11:00 a.m. - 12:00 p.m.	Tatiana Winkelman	<a href="#">Children with autism and sleep problems show abnormal regulation of resting EEG</a>	<a href="#">James McPartland</a>
	1:00 - 2:00 p.m.	Cleber Trujillo	<a href="#">Spontaneous functional network activity in organoids resembles programmed early human brain development</a>	<a href="#">Alysson Muotri</a>
	4:00 - 5:00 p.m.	Rachel Bandler	<a href="#">Developmental diversification of forebrain inhibitory neurons</a>	<a href="#">Gordon Fishell</a>
November 5	11:00 a.m. - 12:00 p.m.	Giorgia Quadrato	<a href="#">Investigation of the role of CHD8 in human brain development at single-cell resolution</a>	<a href="#">Paola Arlotta</a> <a href="#">Feng Zhang</a>
	1:00 - 2:00 p.m.	Sarah Ferri	<a href="#">Age- and sex-specificity of deficits in the Pcdh10 mouse model relevant to autism</a>	<a href="#">Ted Abel</a>
	2:00 - 3:00 p.m.	Ashley Anderson	<a href="#">FOXP1 regulates cell-type specific molecular pathways and function within striatal projection neurons</a>	<a href="#">Jay Gibson</a> <a href="#">Genevieve Konopka</a>
	4:00 - 5:00 p.m.	Ozge Oztan	<a href="#">Cerebrospinal fluid vasopressin, diagnostic classification, and symptom severity in children with autism</a>	<a href="#">Antonio Hardan</a> <a href="#">Karen Parker</a> <a href="#">Elliott Sherr</a>
	4:00 - 5:00 p.m.	Joseph Francis Lynch	<a href="#">Deficits in learning are common across multiple mouse models of autism</a>	<a href="#">Ted Abel</a>
November 6	9:00 - 10:00 a.m.	Ruchi Malik	<a href="#">Conditional loss of the tuberous sclerosis gene, Tsc1, results in altered cortical GABAergic interneuron development and physiology</a>	<a href="#">John Rubenstein</a> <a href="#">Vikaas Sohal</a>
	10:00 - 11:00 a.m.	Chen Tian	<a href="#">ASD/ID related <i>de novo</i> mutations in the TRIO-Rac1 pathway alter synaptic function</a>	<a href="#">Bruce Herring</a>
	1:00 - 2:00 p.m.	Oleh Krupa	<a href="#">Whole brain cellular resolution imaging reveals layer-specific neuronal deficits upon cortical topoisomerase I deletion</a>	<a href="#">Mark Zylka</a>

	1:00 - 2:00 p.m.	Manar Zaghlula	<a href="#">Identification of post-translational regulators of MeCP2 protein levels as treatment targets</a>	<a href="#">Huda Zoghbi</a>
	1:00 - 2:00 p.m.	Jiaiqui Julia O'Reilly	<a href="#">Placental allopregnanolone loss alters fetal GABAergic signaling</a>	<a href="#">Anna Penn</a>
	2:00 - 3:00 p.m.	Anahita Amiri	<a href="#">Integrative multi-omics analyses of iPSC-derived brain organoids identify early determinants of human cortical development</a>	<a href="#">Alexej Abyzov</a> <a href="#">Nenad Sestan</a> <a href="#">Flora Vaccarino</a>
	3:00 - 4:00 p.m.	Dino Dvorak	<a href="#">Dentate spike modulation of hippocampal activity</a>	<a href="#">André Fenton</a>
	4:00 - 5:00 p.m.	Jacquelyn Salzbank	<a href="#">Placental allopregnanolone loss alters postnatal cerebellar development and long-term function</a>	<a href="#">Anna Penn</a>
November 7	8:00 a.m. - 12:00 p.m.	Daniel Gutierrez-Barragan	<a href="#">Altered brain-wide neural dynamics in mouse models of autism</a>	<a href="#">M. Albert Basson</a> <a href="#">Alessandro Gozzi</a>
	9:00 - 10:00 a.m.	Liron Rabany	<a href="#">Temporal dynamics in schizophrenia and autism spectrum disorder: Convergence, divergence and classification</a>	<a href="#">Kevin Pelphrey</a>
	10:00 - 11:00 a.m.	Byoung-Il Bae	<a href="#">Aspm knockout ferret reveals an evolutionary mechanism governing cerebral cortical size</a>	<a href="#">Christopher Walsh</a>
	11:00 a.m. - 12:00 p.m.	Xin Jin	<a href="#">In vivo Perturb-Seq: Finding common ground for heterogeneous variants in autism spectrum disorder</a>	<a href="#">Paola Arlotta</a> <a href="#">Feng Zhang</a>
	1:00 - 2:00 p.m.	Alain Burette	<a href="#">Subcellular organization of the autism-associated protein UBE3A in human cerebral cortex</a>	<a href="#">Benjamin Philpot</a>
	2:00 - 3:00 p.m.	Toshihiro Nomura	<a href="#">Metaplasticity mediated by Kv4.2 is altered in the hippocampus of Fmr1 KO mice</a>	<a href="#">Anis Contractor</a>

	2:00 - 3:00 p.m.	Adam Jackson	<a href="#">Fronto-amygdala connectivity in a rat model of fragile X syndrome</a>	<a href="#">Peter Kind</a>
	3:00 - 4:00 p.m.	Gunvant Chaudhari	<a href="#">Pupil fluctuations track deficits in perceptual learning in fragile X syndrome mice</a>	<a href="#">Carlos Portera-Cailliau</a>
	4:00 - 5:00 p.m.	Stacy Roudabush	<a href="#">Genetic rescue of fragile X by conditional knockdown of Rictor</a>	<a href="#">Suzanne Zukin</a>

EVENTS/SOCIALS				
Date	Time	Organizer/Chair	Event/social title	SFARI Investigators/staff
November 5	6:30 - 8:30 p.m.	<a href="#">John Spiro</a>	<a href="#">SFARI Social</a>	<a href="#">Marta Benedetti</a> <a href="#">Brigitta Gundersen</a> <a href="#">Alice Luo Clayton</a>
	6:45 - 8:45 p.m.	<a href="#">Oscar Marin</a>	<a href="#">Cajal Club Social</a>	<a href="#">Arnold Kriegstein</a> <a href="#">Nenad Sestan</a> <a href="#">Christopher Walsh</a>

\*\*If you have a presentation that is not included in this list, please email [sfariannouncements@simonsfoundation.org](mailto:sfariannouncements@simonsfoundation.org)