

# Meeting of the IACC

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## 2016 Summary of Advances Nominations

**IACC Full Committee Meeting**  
July 19, 2016

# Q1. When should I be concerned?

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February, 2016

## **Screening for Autism Spectrum Disorder in Young Children: A Systematic Evidence Review for the U.S. Preventive Services Task Force.**

McPheeters ML, Weitlauf A, Vehorn A, Taylor C, Sathe NA, Krishnaswami S, Fonnesebeck C, Warren ZE



June, 2016

## **School-age outcomes of infants at risk for autism spectrum disorder.**

Miller M, Iosif AM, Young GS, Hill M, Phelps Hanzel E, Hutman T, Johnson S, Ozonoff S

# Q2. How can I understand what is happening?

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## Brain Connectivity

June, 2016

### **Investigating the Microstructural Correlation of White Matter in Autism Spectrum Disorder.**

Dean III DC, Travers BG, Adluru N, Tromp DP, Destiche DJ, Samsin D, Prigge MB, Zielinski BA, Fletcher PT, Anderson JS, Froehlich AL

## Brain Connectivity

April 22, 2016

### **Underconnected, But Not Broken? Dynamic Functional Connectivity MRI Shows Underconnectivity in Autism Is Linked to Increased Intra-Individual Variability Across Time.**

Falahpour M, Thompson WK, Abbott AE, Jahedi A, Mulvey ME, Datko M, Liu TT, Müller RA.



May 5, 2016

### **Methods for acquiring MRI data in children with autism spectrum disorder and intellectual impairment without the use of sedation.**

Nordahl CW, Mello M, Shen AM, Shen MD, Vismara LA, Li D, Harrington K, Tanase C, Goodlin-Jones B, Rogers S, Abbeduto L, Amaral DG

# Q2. How can I understand what is happening?

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**Cell**

June 9, 2016

## **Peripheral Mechanosensory Neuron Dysfunction Underlies Tactile and Behavioral Deficits in Mouse Models of ASDs.**

Orefice LL, Zimmerman AL, Chirila AM, Sleboda SJ, Head JP, Ginty DD

Journal of  
**SPEECH, LANGUAGE,  
AND HEARING RESEARCH**



JSLHR

February 1, 2016

## **Risk factors associated with language in autism spectrum disorder: Clues to underlying mechanisms.**

Tager-Flusberg H

**Science**  
AAAS

May 6, 2016

## **Autism-associated SHANK3 haploinsufficiency causes Ih channelopathy in human neurons.**

Yi F, Danko T, Botelho SC, Patzke C, Pak C, Wernig M, Südhof TC.

# Q3. What caused this to happen and can it be prevented?

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International Journal of  
**Epidemiology**

June 28, 2016

## **Acetaminophen use in pregnancy and neurodevelopment: attention function and autism spectrum symptoms.**

Avella-Garcia CB, Julvez J, Fortuny J, Rebordosa C, García-Esteban R, Galán IR, Tardón A, Rodríguez-Bernal CL, Iñiguez C, Andiarena A, Santa-Marina L



**Molecular Autism**  
Brain, Cognition and Behavior

January 19, 2016

## **Effect of co-twin gender on neurodevelopmental symptoms: a twin register study.**

Eriksson JM, Lundström S, Lichtenstein P, Bejerot S, Eriksson E

**JAMA Psychiatry**  
Formerly Archives of General Psychiatry

June 1, 2016

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## **Risk of Psychiatric and Neurodevelopmental Disorders Among Siblings of Proband With Autism Spectrum Disorders.**

Jokiranta-Olkonieni E, Cheslack-Postava K, Sucksdorff D, Suominen A, Gyllenberg D, Chudal R, Leivonen S, Gissler M, Brown AS, Sourander A

# Q4. Which treatments and interventions will help?

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June 1, 2016

## **Behaviorally Based Interventions for Teaching Social Interaction Skills to Children with ASD in Inclusive Settings: A Meta-analysis.**

Camargo SP, Rispoli M, Ganz J, Hong ER, Davis H, Mason R



May 2016

## **Preschool Deployment of Evidence-Based Social Communication Intervention: JASPER in the Classroom.**

Chang YC, Shire SY, Shih W, Gelfand C, Kasari C



February 1, 2016

## **Improvement in social competence using a randomized trial of a theatre intervention for children with autism spectrum disorder.**

Corbett BA, Key AP, Qualls L, Fecteau S, Newsom C, Coke C, Yoder P

# Q4. Which treatments and interventions will help?

**JIDR** **Journal of Intellectual Disability Research**  
Published on behalf of mencap and in association with IASSID

May 1, 2016

## **Intervention effects on spoken-language outcomes for children with autism: a systematic review and meta-analysis.**

Hampton LH, Kaiser AP

THE JOURNAL OF CHILD  
PSYCHOLOGY AND PSYCHIATRY

February 1, 2016

## **Children with autism spectrum disorder and social skills groups at school: a randomized trial comparing intervention approach and peer composition.**

Kasari C, Dean M, Kretzmann M, Shih W, Orlich F, Whitney R, Landa R, Lord C, King B

*International Journal of* Language &  
Communication  
Disorders

May 1, 2016

## **Joint attention interventions for children with autism spectrum disorder: a systematic review and meta-analysis.**

Murza KA, Schwartz JB, Hahs-Vaughn DL, Nye C

# Q4. Which treatments and interventions will help?

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*Journal of the American Academy of*

**CHILD & ADOLESCENT  
PSYCHIATRY**

June, 2016

## **Antipsychotic Use Trends in Youth With Autism Spectrum Disorder and/or Intellectual Disability: A Meta-Analysis.**

Park SY, Cervesi C, Galling B, Molteni S, Walyzada F, Ameis SH, Gerhard T, Olsson M, Correll CU

## Q5. Where can I turn for services?

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***No articles were nominated in  
January-July 2016 for  
Question 5***

# Q6. What does the future hold, particularly for adults?

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March 1, 2016

## **Improving Empathic Communication Skills in Adults with Autism Spectrum Disorder.**

Koegel LK, Ashbaugh K, Navab A, Koegel RL

The International Journal of Research and Practice • Volume 18 Number 1 January 2014



May 5, 2016

## **Effects of an employer-based intervention on employment outcomes for youth with significant support needs due to autism.**

Wehman P, Schall CM, McDonough J, Graham C, Brooke V, Riehle JE, Brooke A, Ham W, Lau S, Allen J, Avellone L

# Q7. What other infrastructure and surveillance needs must be met?

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Morbidity and Mortality Weekly Report (*MMWR*)

April 2016

## **Prevalence and Characteristics of Autism Spectrum Disorder Among Children Aged 8 Years - Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2012.**

Christensen DL, Baio J, Braun KV, Bilder D, Charles J, Constantino JN, Daniels J, Durkin MS, Fitzgerald RT, Kurzius-Spencer M, Lee LC, Pettygrove S, Robinson C, Schulz E, Wells C, Wingate MS, Zahorodny W, Yeargin-Allsopp M