Meeting of the IACC

2016 Summary of Advances Nominations

IACC Full Committee Meeting
July 19, 2016

These slides do not reflect decisions of the IACC and are for discussion purposes only.
Q1. When should I be concerned?

February, 2016


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

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Q2. How can I understand what is happening?

**Brain Connectivity**

**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**

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

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

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Q2. How can I understand what is happening?

**Cell**

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

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

**Journal of Speech, Language, and Hearing Research**

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

Tager-Flusberg H

**Science**

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?

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

Effect of co-twin gender on neurodevelopmental symptoms: a twin register study.
Eriksson JM, Lundström S, Lichtenstein P, Bejerot S, Eriksson E

Risk of Psychiatric and Neurodevelopmental Disorders Among Siblings of Probands With Autism Spectrum Disorders.

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Q4. Which treatments and interventions will help?

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

Preschool Deployment of Evidence-Based Social Communication Intervention: JASPER in the Classroom.
Chang YC, Shire SY, Shih W, Gelfand C, Kasari C

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

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Q4. Which treatments and interventions will help?

Intervention effects on spoken-language outcomes for children with autism: a systematic review and meta-analysis.
Hampton LH, Kaiser AP

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

Joint attention interventions for children with autism spectrum disorder: a systematic review and meta-analysis.
Murza KA, Schwartz JB, Hahs-Vaughn DL, Nye C

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Q4. Which treatments and interventions will help?

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

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Q5. Where can I turn for services?

No articles were nominated in January-July 2016 for Question 5
Q6. What does the future hold, particularly for adults?

Improving Empathic Communication Skills in Adults with Autism Spectrum Disorder.
Koegel LK, Ashbaugh K, Navab A, Koegel RL

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

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

Morbidity and Mortality Weekly Report (MMWR)  