2017 Summary of Advances
Nominations
April – July 2017

Susan A. Daniels, Ph.D.
Director, Office of Autism Research Coordination
Executive Secretary, IACC
National Institute of Mental Health
Functional neuroimaging of high-risk 6-month-old infants predicts a diagnosis of autism at 24 months of age.
Infant viewing of social scenes is under genetic control and is atypical in autism.

Neurogenetic analysis of childhood disintegrative disorder.
Cortical thickness abnormalities in autism spectrum disorders through late childhood, adolescence, and adulthood: a large-scale MRI study.
Khundrakpam BS, Lewis JD, Kostopoulos P, Carbonell F, Evans AC
Question 3: Risk Factors

Fetal and postnatal metal dysregulation in autism.

Jun 2017

Grand-maternal smoking in pregnancy and grandchild's autistic traits and diagnosed autism.

Apr 2017
Question 3: Risk Factors

The joint effect of air pollution exposure and copy number variation on risk for autism.

Apr 2017 [Epub ahead of print]

Rates, distribution and implications of postzygotic mosaic mutations in autism spectrum disorder.

Jul 2017
Question 3: Risk Factors

**Autism risk following antidepressant medication during pregnancy.**
Viktorin A, Uher R, Reichenberg A, Levine SZ, Sandin S

May 2017 [Epub ahead of print]

**Polygenic transmission disequilibrium confirms that common and rare variation act additively to create risk for autism spectrum disorders.**

May 2017 [Epub ahead of print]
Question 4: Treatments and Inteventions

Cross-site randomized control trial of the Social ABCs caregiver-mediated intervention for toddlers with autism spectrum disorder.
Brian JA, Smith IM, Zwaigenbaum L, Bryson SE

Measuring developmental outcomes in autism spectrum disorder (ASD).
Commons ML, Adhikari D, Giri S, Weinberg M, Baran JJ, Malik E
Question 4: Treatments and Interventions

Changes in anxiety following a randomized control trial of a theatre-based intervention for youth with autism spectrum disorder.
Corbett BA, Blain SD, Ioannou S, Balser M

Nutritional and dietary interventions for autism spectrum disorder: a systematic review.
Sathe N, Andrews JC, McPheeters ML, Warren ZE
Hybrid implementation model of community-partnered early intervention for toddlers with autism: a randomized trial.
Shire SY, Chang YC, Shih W, Bracaglia S, Kodjoe M, Kasari C

Four-year follow-up of children in the LEAP Randomized Trial: some planned and accidental findings.
Strain PS
Interventions targeting sensory challenges in autism spectrum disorder: a systematic review.
Weitlauf AS, Sathe N, McPheeters ML, Warren ZE
Caron V, Bérubé A, Paquet A

Comparisons of self-determination among students with autism, intellectual disability, and learning disabilities: a multivariate analysis.
Chou Y, Wehmeyer ML, Palmer SB, Lee J
No articles were nominated in April – July 2017 for Question 6
Question 7: Infrastructure

American Journal of Epidemiology
May 2017

Geographic patterns of autism spectrum disorder among children of Nurses' Health Study II women.

Journal of the American Academy of Child & Adolescent Psychiatry
Jun 2017

What is the male-to-female ratio in autism spectrum disorder? A systematic review and meta-analysis.
Loomes R, Hull L, Mandy WPL