Meeting of the IACC

Discussion of Nominated 2016 Science Advances

These slides do not reflect decisions of the IACC and are for discussion purposes only.
2016 Summary of Advances Nominations
July - October
Q1. When should I be concerned?

No articles were nominated in July - October 2016 for Question 1
Q2. How can I understand what is happening?

Altered proliferation and networks in neural cells derived from idiopathic autistic individuals

Salience Network Connectivity in Autism Is Related to Brain and Behavioral Markers of Sensory Overresponsivity
Green SA, Hernandez L, Bookheimer SY, Dapretto M

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Q2. How can I understand what is happening?

**December 2016**

*Infants’ observation of tool-use events over the first year of life*
Libertus K, Greif ML, Needham AW, Pelphrey K

**September 2016**

*Functional Connectivity of the Amygdala Is Disrupted in Preschool-Aged Children With Autism Spectrum Disorder*
Shen MD, Li DD, Keown CL, Lee A, Johnson RT, Angkustsiri K, Rogers SJ, Müller RA, Amaral DG, Nordahl CW

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

Maternal Consumption of Seafood in Pregnancy and Child Neuropsychological Development: A Longitudinal Study Based on a Population With High Consumption Levels

Project TENDR: Targeting Environmental Neuro-Developmental Risks. The TENDR Consensus Statement

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

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

June 28, 2016
Q4. Which treatments and interventions will help?

Research in Autism Spectrum Disorders

The effects of embodied rhythm and robotic interventions on the spontaneous and responsive social attention patterns of children with Autism Spectrum Disorder (ASD): A pilot randomized controlled trial
Srinivasan SM, Eigsti IM, Neelly L, Bhat AN

Longitudinal Effects of Adaptive Interventions With a Speech-Generating Device in Minimally Verbal Children With ASD

Social network analysis of children with autism spectrum disorder: Predictors of fragmentation and connectivity in elementary school classrooms
Anderson A, Locke J, Kretzmann M, Kasari C; AIR-B Network

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Q5. Where can I turn for services?

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

No articles were nominated in July - October 2016 for Question 6

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

No articles were nominated in July - October 2016 for Question 7
IACC Summary of Advances

Susan A. Daniels, Ph.D.
Director, Office of Autism Research Coordination
Executive Secretary, IACC
National Institute of Mental Health

IACC Full Committee Meeting
October 26, 2016
2016 Summary of Advances Process

• The committee has been receiving quarterly data calls for submission of nominations
• Submitted nominations are discussed at each meeting; nominations require a written justification
• Issues:
  – Few nominations received; some Question areas not covered well
  – Will those areas be covered in the final data call in December?
  – All nominations do not have a justification; do we want to keep that requirement?

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2016 Summary of Advances Process

End of year process:

• Final nominations for 2016 submitted in December; discussed in January (if large number of submissions, we can either set aside more time for discussion or not discuss all nominations)

• Then committee voting process to select top 20 advances? Or certain number of advances per Question to ensure coverage of all questions?

• OARC to provided short, lay-friendly summaries of the selected articles, as previously?

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