

NIMH Update

November 17, 2015

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Acting Director, National Institute of Mental Health
Chair, Interagency Autism Coordinating Committee

IACC Full Committee Meeting – November 17, 2015

National Institute of Mental Health

- One of the 27 institutes and centers at NIH
- Supports research on mental health, including basic and clinical research, and incorporating the evolving science of brain, behavior, and experience.
- NIMH Budget ~\$1.4B
- Has largest portfolio of autism research at NIH
- Portfolio includes basic, translational, clinical, and services research

~~NIMH ASD Services Research Initiative~~

September 2014

- NIMH awarded 12 new grants (\$15M) to support research to develop effective, real-world-ready approaches to providing early diagnosis, treatment, and supportive services for children, transition-age youth, and adults with autism spectrum disorder (ASD)

- Birth to 2 years - 5 projects to test strategies for coupling children who test positive in universal screens with referral to and engagement in services.
- Transition-age youth and families - 4 projects to develop strategies for school-based service coordination of transition planning in order to reduce or eliminate disconnection from needed supports, services, or age-relevant activities.
- Adults - 3 projects to develop and test strategies to maintain engagement in community support, vocational and employment programs, and other services aimed at supporting independent living.

NIMH ASD Services Research Initiative II

Issued October 28, 2015

Applications Due February 3, 2016

Services Research for Autism Spectrum Disorder across the Lifespan II (ServASD II): Pilot Research on Services for Transition-Age Youth - RFA-MH-17-200 (R34)

Pilot Research on Services Strategies for Adults with ASD - RFA-MH-17-200 (R34)

<https://grants.nih.gov/grants/guide/rfa-files/RFA-MH-17-200.html>

NIH Neurobiobank Update

- The NIH Neurobiobank and the privately-funded Autism BrainNet are collaborating to form a joint biobanking effort which will result in a national networked resource for tissue specimens that can be used for ASD research.

Partners include:

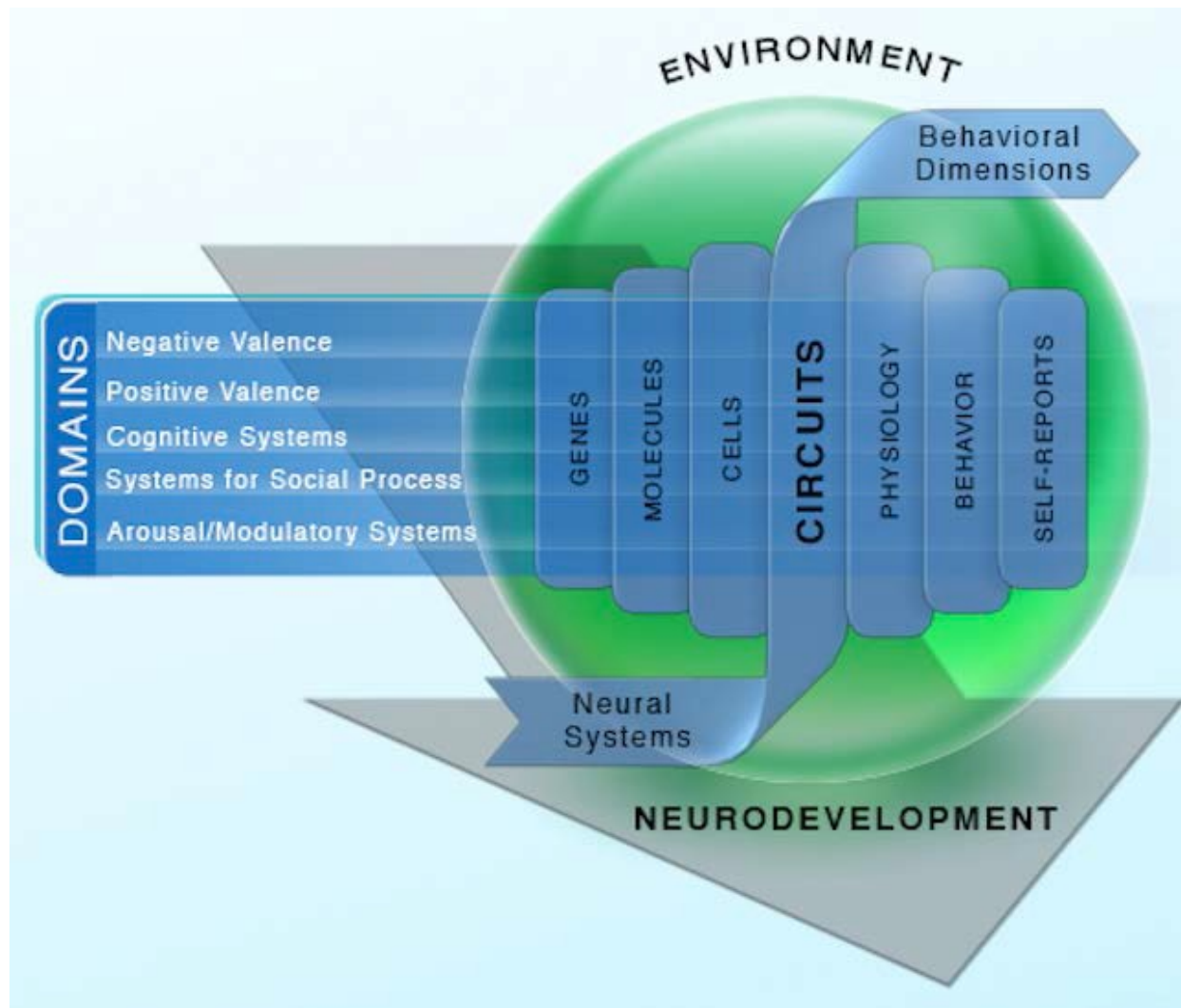
- Three NIH institutes: NIMH, NINDS, and NICHD, Autism Science Foundation, Autism Speaks, and Simons Foundation
- This networked resource fulfills a priority identified in the IACC Strategic Plan for ASD Research.

Autism Biomarkers Consortium (ABC) Project

July 2015

- NIH (NIMH, NICHD and NINDS), Foundation for the NIH (FNIH), Simons Foundation, and other partners have invested \$28M in a multi-year project to evaluate EEG and eye-tracking as potential biomarkers to:
 - Help define ASD subtypes that share a common biological phenotype
 - Be used as markers of response in clinical trials focusing on social and cognitive aspects of ASD

Research Domain Criteria (RDoC): Unpacking Diagnostic Categories



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<input type="checkbox"/>	T Act	Project	Year Sub #	Project Title	Contact PI/ Project Leader	Organization	
<input type="checkbox"/>	2	R01	MH085300	06A1	3/3 BRAIN FUNCTION AND GENETICS IN PEDIATRIC OBSESSIVE-COMPULSIVE BEHAVIORS	ARNOLD, PAUL DANIEL et al.	HOSPITAL FOR SICK CHLDREN (TORONTO)
<input type="checkbox"/>	5	U01	MH101723	03	3/5 INTERNATIONAL CONSORTIUM ON BRAIN AND BEHAVIOR IN 22Q11.2 DELETION SYNDROME	BASSETT, ANNE S. et al.	CENTRE FOR ADDICTION AND MENTAL HEALTH
<input type="checkbox"/>	5	R01	MH105094	02	KNOCK-IN MOUSE MODEL OF DOPAMINE DYSFUNCTION UNDERLYING TRAITS OF ADHD	BLAKELY, RANDY D.	VANDERBILT UNIVERSITY
<input type="checkbox"/>	1	K01	MH105625	01A1	DYNAMIC BRAIN MECHANISMS OF PROACTIVE AND REACTIVE CONTROL IN CHILDHOOD ADHD	CAI, WEIDONG	STANFORD UNIVERSITY
<input type="checkbox"/>	5	R01	MH104324	02	INFANT BRAIN AND BEHAVIORAL SIGNATURES OF LATER EMERGING RISK FOR PSYCHOPATHOLOGY	ELISON, JED THOMAS	UNIVERSITY OF MINNESOTA
<input type="checkbox"/>	5	R01	MH096773	04	CHARACTERIZING MECHANISTIC HETEROGENEITY ACROSS ADHD AND AUTISM	FAIR, DAMIEN A	OREGON HEALTH & SCIENCE UNIVERSITY
<input type="checkbox"/>	2	U01	MH070890	11A1	EARLY BRAIN DEVELOPMENT IN TWINS	GILMORE, JOHN H	UNIV OF NORTH CAROLINA CHAPEL HILL
<input type="checkbox"/>	5	U01	MH101719	03	1/5 INTERNATIONAL CONSORTIUM ON BRAIN AND BEHAVIOR IN 22Q11.2 DELETION SYNDROME	GUR, RAQUEL E	UNIVERSITY OF PENNSYLVANIA
<input type="checkbox"/>	2	R01	MH085321	06A1	2/3 BRAIN FUNCTION AND GENETICS IN PEDIATRIC OBSESSIVE-COMPULSIVE BEHAVIORS	HANNA, GREGORY L.	UNIVERSITY OF MICHIGAN
<input type="checkbox"/>	5	R01	MH101493	03	ACTION MONITORING AND GENOMIC VARIANTS IN PEDIATRIC OBSESSIVE-COMPULSIVE BEHAVIOR	HANNA, GREGORY L. et al.	UNIVERSITY OF MICHIGAN

<input type="checkbox"/>	5	R01	MH104648	02	CONTROL AND REWARD CIRCUITS AS TARGETS FOR REPETITIVE THOUGHTS AND BEHAVIORS	MARSH, RACHEL et al.	NEW YORK STATE PSYCHIATRIC INSTITUTE
<input type="checkbox"/>	1	R01	MH107431	01	DIMENSIONAL ANALYSIS OF DEVELOPMENTAL BRAIN DISORDERS USING AN ONLINE, GENOME-FIRST APPROACH	MARTIN, CHRISTA LESE	GEISINGER CLINIC
<input type="checkbox"/>	1	R01	MH107426	01	MULTIMODEL ASSESSMENT OF SOCIAL PROCESS SYSTEMS ACROSS NEURODEVELOPMENTAL DISORDERS	MCPARTLAND, JAMES CHARLES et al.	YALE UNIVERSITY
<input type="checkbox"/>	1	K99	MH106642	01A1	SHARED AND DISTINCT DEVELOPMENTAL PATHWAYS TO ADHD AND AUTISM SPECTRUM DISORDER	MILLER, MEGHAN RHYS	UNIVERSITY OF CALIFORNIA AT DAVIS
<input type="checkbox"/>	2	R01	MH059299	15A1	1/3 BRAIN FUNCTION AND GENETICS IN PEDIATRIC OBSESSIVE-COMPULSIVE BEHAVIORS	ROSENBERG, DAVID R	WAYNE STATE UNIVERSITY
<input type="checkbox"/>	5	R01	MH103284	02	PREDICTORS OF COGNITIVE DEVELOPMENT IN AUTISM SPECTRUM DISORDER	SOLOMON, MARJORIE	UNIVERSITY OF CALIFORNIA AT DAVIS
<input type="checkbox"/>	1	R01	MH107508	01	DEVELOPMENTAL EXPOSURE TO MATERNAL OBESITY-INDUCED INFLAMMATION IMPACTS OFFSPRING BRAIN AND NEGATIVE VALENCE BEHAVIORS	SULLIVAN, ELINOR L.	OREGON HEALTH & SCIENCE UNIVERSITY
<input type="checkbox"/>	5	U01	MH101722	03	"4/5 INTERNATIONAL CONSORTIUM ON BRAIN AND BEHAVIOR IN 22Q11.2 DELETION SYNDROME"	SWILLEN, ANN	KATHOLIEKE UNIVERSITEIT LEUVEN
<input type="checkbox"/>	5	U01	MH101724	03	5/5 INTERNATIONAL CONSORTIUM ON BRAIN AND BEHAVIOR IN 22Q11.2 DELETION SYNDROME	VAN DEN BREE, MARIANNE et al.	CARDIFF UNIVERSITY
<input type="checkbox"/>	5	U01	MH101720	03	2/5 INTERNATIONAL CONSORTIUM ON BRAIN AND BEHAVIOR IN 22Q11.2 DELETION SYNDROME	WARREN, STEPHEN T.	EMORY UNIVERSITY