

Summary of the 2008 through 2012 *Portfolio Analysis* data for Question 2 as aligned to the *IACC Strategic Plan*

Please note that the 2011 and 2012 data are still draft data and have not yet been finalized – they are still subject to change.

Please read the following notes prior to reviewing the table:

- Objective labels are representative of the 2011 Strategic Plan. Thus, projects from 2008 and 2009 may have been labeled with a different objective number compared to the label seen in this chart. However, the funding data is accurately matched to its associated objective on the left even if the objective number was altered in previous years.
- For projects from 2008-2010 there is a direct link to the list of projects for each objective. To view the individual projects in 2011 and 2012, please refer to the project lists included in the meeting materials.
- Blue font indicates revisions in the text of the objective, including additions and substitutions in text that occurred from the 2008 Strategic Plan to the 2009 Strategic Plan. The red font indicates revisions, including additions and substitutions in text that occurred from the 2009 Strategic Plan to the 2010 Strategic Plan.
- The IACC recommended budget represents the most updated budget cost for 2011. If the recommended budget has been revised since 2008 the year the revision took place is found in parentheses following the budget figure. Thus, if there is no mention of a revision, the IACC recommended budget has remained constant from 2008-2011.
- Current project and funding status for each question or objective is indicated within the table by colored highlighting of the objective. Any objective highlighted **green** has greater than or equal to the recommended funding; any objective highlighted **yellow** has some degree of funding or active projects, but less than the recommended amount; while any objective highlighted **red** has no funding or active projects.
- Highlighting of each total gives an indication of the progress toward meeting the IACC recommended budget for each objective. **Green** highlighting indicates that funding fully meets the recommend budget. **Yellow** highlighting denotes that funding for a particular objective partially meets the IACC recommended budget, while **red** highlighting indicates that there has been no funding towards the particular objective.
- Please note that while the green, yellow and red indicators suggest a funding status for each year and that looking across all years may give some indication of a trend, that some agencies and organizations provide all the funding for multiyear grants in a single year, resulting in the appearance of “less funding” in other years, but that projects fulfilling the objectives may still have been ongoing in the years where the funding appears to be less. Thus, it is important to note the numbers of projects in looking across the chart, and to keep in mind that in a series, where, for example, most of the indicators are green, that the objective is likely to be largely “complete” according to the funding-based measure. This, however, does not provide information on whether or not the objectives were completed in terms of intended project results and outcomes. Please also note that in some cases, projects may have been funded, but were accomplished with smaller budgets than anticipated, so a “yellow” designation may not necessarily be indicative of ongoing need for more effort.

QUESTION 2: HOW CAN I UNDERSTAND WHAT IS HAPPENING?

| IACC Strategic Plan Objectives | Funding | | | | | |
|--|--|--|--|--|--|----------------------|
| Year | 2008 | 2009 | 2010 | 2011 | 2012 | Total |
| Support at least four research projects to identify mechanisms of fever, metabolic and/or immune system interactions with the central nervous system that may influence ASD during prenatal-postnatal life by 2010 (Fever studies to be started by 2012). | 2.2 \$3,377,568 18 projects | 2.S.A \$3,584,634 30 projects | 2.S.A \$4,972,407 37 projects | 2.S.A \$2,013,417 25 projects | 2.S.A \$3,049,827 26 projects | \$16,997,853 |
| <i>IACC Recommended Budget: \$9,800,000 over 4 years</i> | | | | | | |
| Launch three studies that specifically focus on the neurodevelopment of females with ASD, spanning basic to clinical research on sex differences by 2011. | 2.3 \$0 0 projects | 2.S.B \$1,370,107 5 projects | 2.S.B \$1,096,678 5 projects | 2.S.B \$150,000 1 project | 2.S.B \$3,239,998 5 projects | \$5,856,783 |
| <i>IACC Recommended Budget: \$8,900,000 over 5 years</i> | | | | | | |
| Identify ways to increase awareness among the autism spectrum community of the potential value of brain and tissue donation to further basic research by 2011. | 2.4 \$0 0 projects | 2.S.C \$726,911 2 projects | 2.S.C \$17,000 1 project | 2.S.C \$22,000 1 project | 2.S.C \$90,120 1 project | \$856,031 |
| <i>IACC Recommended Budget: \$1,400,000 over 2 years</i> | | | | | | |
| Launch three studies that target improved understanding of the underlying biological pathways of genetic conditions related to autism (e.g., Fragile X, Rett syndrome, tuberous sclerosis complex) and how these conditions inform risk assessment and individualized intervention by 2012. | N/A | 2.S.D \$9,171,542 48 projects | 2.S.D \$13,162,905 57 projects | 2.S.D \$12,360,956 64 projects | 2.S.D \$18,452,242 83 projects | \$53,147,645 |
| <i>IACC Recommended Budget: 9,000,000 over 5 years</i> | | | | | | |
| Launch three studies that target the underlying biological mechanisms of co-occurring conditions with autism, including seizures/epilepsy, sleep disorders, wandering/elopement behavior, and familial autoimmune disorders, by 2012. | N/A | 2.S.E \$3,893,300 11 projects | 2.S.E \$4,611,058 14 projects | 2.S.E \$4,807,760 23 projects | 2.S.E \$3,218,960 22 projects | \$16,531,078 |
| <i>IACC Recommended Budget: \$9,000,000 over 5 years</i> | | | | | | |
| Launch two studies that focus on prospective characterization of children with reported regression to investigate potential risk factors by 2012. | N/A | 2.S.F \$0 0 projects | 2.S.F \$401,595 2 projects | 2.S.F \$339,709 3 projects | 2.S.F \$251,830 2 projects | \$993,134 |
| <i>IACC Recommended Budget: \$4,500,000 over 5 years</i> | | | | | | |
| Support five studies that associate specific genotypes with functional or structural phenotypes, including behavioral and medical phenotypes (e.g., nonverbal individuals with ASD and those with cognitive impairments) by 2015. | N/A | 2.S.G \$5,903,875 21 projects | 2.S.G \$9,149,672 39 projects | 2.S.G \$11,105,408 45 projects | 2.S.G \$15,618,073 44 projects | \$41,777,028 |
| <i>IACC Recommended Budget: \$22,600,000 over 5 years</i> | | | | | | |
| Complete a large-scale, multidisciplinary, collaborative project that longitudinally and comprehensively examines how the biological, clinical, and developmental profiles of individuals , with a special emphasis on females, youths, and adults with ASD, change over time as compared to typically developing people by 2020. | 2.5 \$8,523,806 49 projects | 2.L.A \$2,721,384 6 projects | 2.L.A \$2,283,875 6 projects | 2.L.A \$972,559 5 projects | 2.L.A \$6,188,617 10 projects | \$20,690,241 |
| <i>IACC Recommended Budget: \$126,200,000 over 12 years</i> | | | | | | |
| Launch at least three studies that evaluate the applicability of ASD phenotype and/or biological signature findings for performing diagnosis, risk assessment, or clinical intervention by 2015. | N/A | 2.L.B \$1,532,262 16 projects | 2.L.B \$450,271 2 projects | 2.L.B \$324,241 4 projects | 2.L.B \$1,293,032 7 projects | \$3,599,806 |
| <i>IACC Recommended Budget: 7,200,000 over 5 years</i> | | | | | | |
| Not specific to any objective | 2.Other \$23,701,450 133 projects | 2.Other \$34,348,932 163 projects | 2.Other \$55,114,888 246 projects | 2.Other \$41,027,141 227 projects | 2.Other \$47,469,150 258 projects | \$201,661,561 |
| Total funding for Question 2 | \$40,621,403 202 projects | \$63,252,949 302 projects | \$91,260,349 409 projects | \$73,123,190 398 projects | \$100,113,696 460 projects | \$362,111,160 |