**RESOURCE SHARING PLAN: HUMAN MRI AND CLINICAL ASSESMENTS**

1. **Summary of data to be shared**

Demographic, clinical, and MRI, 1H fMRS and fMRI imaging data will be acquired from 110 affected youth and 110 matched healthy controls (described in detail in sections C.3 and C.4 of this application). All research participants will be consented for sharing of data results with the NIMH Data Archive (NDA). All data will be de-identified prior to receipt by the repository, but the information needed to generate a GUID will be collected for each subject.

In addition to the subject level data described above, all 1H fMRS and fMRI task related paradigm designs and experiment definitions will be deposited in the NDA.

1. **Standards/Data Dictionaries to be Used**

Participant age, sex, ethnicity, height, weight, socioeconomic status, and other demographic data will be collected using the following instruments as defined in NDA:

1. Research Subject and Pedigree (ndar\_subject01)
2. Demographics Short Form (demsf01)
3. Ethnic Group Questionnaire (ethgrp01)
4. Height and Weight (height\_weight01)
5. Hollingshead Socioeconomic Rating Scale (ses01)
6. Pubertal Development Scale (pds01)
7. Edinburgh Handedness Inventory (edinburgh\_hand01)
8. WASI-2 (wasi201).

In compliance with NOT-MH-20-067, the following data will be collected to facilitate aggregation of this data set with other data sets:

1. Age (ndar\_subject01)
2. Sex at Birth (ndar\_subject01)
3. DSM Crosscutting for Youth (dsm5crossch01)
4. RCADS-25 (rcads2501)

The clinical assessments we plan to collect for this study include:

1. Kiddie-SADS-Present and Lifetime Version (ksads\_pl01)
2. Children’s Yale-Brown Obsessive-Compulsive Scale (cybocs01)
3. Schedule for Obsessive-Compulsive and Other Behavioral Syndromes (Hanna. Schedule for Obsessive-Compulsive and Other Behavioral Syndromes, Ann Arbor: University of Michigan, 2010, new data dictionary will be defined in NDA)
4. Dimensional Obsessive-Compulsive Scale (docs01)
5. Yale Global Tic Severity Scale (yale01)
6. Child Behavior Checklist (cbcl01)
7. Multidimensional Anxiety Scale for Child Parent and Self (masc\_p01)
8. Conners 3 (conners3\_ps01)
9. Adolescent Depression Rating Scale (doi:10.1186/1471-244X-7-2, new data dictionary will be defined in NDA)

1H fMRS and fMRI data will be shared with the Image (image03), Imaging Work Flow (iwf01), and Imaging Collection (imagingcollection01) data dictionaries as defined in NDA.

1. **Validation Schedule**

If funded, within 6 months of the Notice of Award date we will submit a Data Submission Agreement signed by the principal investigators and an institutional business official, as well as define and complete the Data Expected section of this project. Uploads of all initial demographic, clinical, and raw structural MRI, 1H fMRS and fMRI research data will be completed using the second submission cycle deadline following the Notice of Award date. Subsequent data uploads will be harmonized, validated, and submitted biannually on the standard January 15th and July 15th submission deadlines.

We also plan to use the NDA validation tool as a quality control measure in between formal submissions to the data archive. The data manager in charge of submitting data to NDA will help researchers in the group validate their data once a month.