Enhancing Neuro Imaging Genetics through Meta-Analysis

Consortium (ENIGMA)

Military Brain Injury Secondary Analysis Proposal

Please complete all fields and return this form by e-mail to:

David Tate and Elisabeth Wilde (please CC Emily Dennis)

**Email:** [David.Tate@hsc.utah.edu](mailto:David.Tate@hsc.utah.edu), [Elisabeth.wilde@hsc.utah.edu](mailto:Elisabeth.wilde@hsc.utah.edu), [edennis@bwh.harvard.edu](mailto:edennis@bwh.harvard.edu)

1. Policy

Members of the ENIGMA Consortium include investigators from different centers around the world who are actively engaged in neuroimaging research and who have contributed results from primary analyses of imaging, genetic data, and/or algorithm development for the purpose of meta-analysis, replication, and/or algorithm testing in a collaborative manner.

Although the data contributed to the ENIGMA consortium consist of group-level summaries and post-estimation statistics rather than raw genotype and phenotype data, there is theoretically a minute risk of determining whether a given individual participated in a study. While the re-identification of samples requires access to the raw genotype data of the target individual and constitutes scientific misconduct, most groups have opted to appoint a gate-keeper approach rather than allowing full public access to the results of their analyses or meta-analyses. Within the ENIGMA Military Brain Injury working group any consortium member wishing to access the results of specific analyses or meta-analytic results will be asked to complete a short proposal describing why they wish to access the results files from each group, and submit that for review.

All consortium members are encouraged to submit such proposals, to follow up on ideas which the group as a whole cannot pursue, which involve novel analyses, or subsets of the available sites. The ENIGMA Military Brain Injury working group will screen brain injury-relevant proposals for scientific interest, and will help enlist members who might be interested in collaborating. Proposals will be discussed on ENIGMA Military Brain Injury working group calls and emails to encourage the broadest participation.

The proposal will then be posted on an ENIGMA forum page and an email will be sent to all consortium members alerting them to the posting. ENIGMA members will have 14 days from the time of the posting to opt-out of the analysis, ask for clarification, voice concerns or objections and/or give feedback to the proposal. No site data will be shared without the consent of the PI of that site, who may opt to impose specific conditions or limitations on the use of the data; also ENIGMA PIs and members are not required to take part in any proposed project, they can opt out.

If the author of the proposal agrees to the authorship and publication policies of the consortium the access request will be granted to the results files for those groups who have not opted-out of the analysis and a member of the ENIGMA Military Brain Injury working group or Enigma support group will be assigned as a project liaison. The Enigma support group liaison will be responsible for providing the data and answering any queries relating to the project, and providing the contributing site PIs with updates. If there is no possibility of determining if a particular individual participated in a study (e.g. limited imaging or genetic markers are requested), results from these markers may be sent by the liaison to other sites if available. If genome-wide results are requested from individual groups, the person submitting the proposal may be granted an account on Imaging Genetics Center (IGC) servers or may visit IGC, if desired, to make it easier to complete the analysis. All approved proposals are welcome to use services at IGC. The data can be housed in IGC and will not to be transferred or mirrored to other sites.

We request that the ‘ENIGMA Consortium’ or the specific working group(s), and the liaison person will be listed as co-authors. The ENIGMA Consortium on the byline, or the ENIGMA Working Group on the byline, will reference the PIs of each study, in addition to contributors at their site. In this way the authors contributing data to the consortium will be appropriately acknowledged on any publication.

2. Requestor Information

Date of Submission:

**Name:**

**Institution/Affiliation:**

**Email:**

**Have you signed and return the ENIGMA Memorandum of Understanding?**

2. Results request proposal

Proposal title: Subcortical shape modeling in Schizophrenia

Co-author names and e-mail addresses:

Proposed Timeline for Completion of Study:

**Please confirm that you have reviewed the ENIGMA website for potential areas of overlap. If you see a project that may overlap, please list along with any plans for addressing this:**

**Please list any conflicts of interest:**

**Please describe the proposed analyses. Include hypothesis, specific results requested, a brief analysis plan and methods, and references.**