

PGRN SYSTEMS BIOLOGY WORKING GROUP
BWH/HMS PHAT-PGRN ASTHMA COLLABORATION
MEMORANDUM OF UNDERSTANDING

7/6/2011

BACKGROUND

One of the major activities of all the PGRN groups is to develop statistical methods for analyses of large data sets containing different types of high throughput data as well as drug response phenotypes. The PGRN Systems Biology working group and the PSTAR Network Resource have developed a joint project using common data sets from different PGRN groups for use in developing novel statistical methods.

The PHAT-PGRN Asthma data set was generated by the Brigham and Women's Hospital (BWH) and Harvard Medical School (HMS) Channing Lab Pharmacogenetics of Asthma Treatment (PHAT) Pharmacogenomics Research Network (PGRN) site and consists of:

- Over four years of longitudinal clinical data from the Childhood Asthma Management Program (CAMP) clinical trial for 1,041 multi-ethnic subjects age 5-12 with a confirmed diagnosis of mild to moderate asthma. CAMP subjects were randomized to budesonide, nedocromil, or placebo treatment groups.
- Genome-wide genotypes for 581 Caucasian CAMP subjects from all three treatment arms of the CAMP trial (inhaled corticosteroid, nedocromil, and inhaled short acting beta agonist).
- Gene expression from immortalized B-cells derived from 132 Caucasian CAMP subjects chosen at random from the budesonide treatment group.

Each of the PGRN groups and the PSTAR network resource and the Systems Biology working group are welcome to participate in this activity.

MEMORANDUM OF UNDERSTANDING:

1. Any PGRN group can apply for access to the PHAT-PGRN Asthma data set for methods development by submitting a brief proposal to PSTAR.
2. Groups utilizing the PHAT-PGRN Asthma data will be expected to participate in conference calls or other activities related to the project.
3. Groups using the PHAT-PGRN Asthma data set will collaborate with the PHAT group on the analysis of their data set. This is to both insure proper input from PHAT and is in recognition that PHAT has not published on the integrative and network aspects of this data to date.
4. Members of the BWH/HMS Channing Lab will be offered an opportunity to participate in projects utilizing the dataset and share an authorship on the basis of their contributions. However, providing data only does not automatically lead to authorship.
5. BWH/HMS PHAT will be acknowledged in publications with individual grant numbers sited that supported the generation of data. Below is a draft statement that can be used in the acknowledgments. Funding: This work was supported by U01 HL65899 from the National Heart Lung and Blood Institute (NHLBI). We acknowledge the CAMP investigators and research team, supported by NHLBI, for collection of CAMP Genetic Ancillary Study data and the PGRN for their support. Additional support for this work comes from (your grant here).

6. The role of the PGRN PSTAR and Systems Biology working group should be also acknowledged in publications if appropriate.
7. The Channing Lab of Brigham and Women's Hospital requires that projects using this data set adhere to the following restrictions:
 - The data have to be used for genetic studies designed to learn about, prevent, or treat asthma.
 - Investigators must state in the Data Use Request their intention to publish or otherwise broadly share any findings from his or her study with the scientific community.
 - PHAT investigators should be included in any publication.

INSTITUTIONAL REPRESENTATIVE

TITLE

DATE

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