

Tourette Syndrome GWAS Replication Workshop
Hyatt Regency Bethesda, Bethesda MD
March 10-11, 2009

Tuesday, March 10

4:00 PM – 5:00 PM *Registration*

5:00 PM – 5:30 PM **Meeting Goals & Introductions**

5:30 PM – 8:30 PM **Current Status of the Genetics of Tourette Syndrome**

History of the TSAICG and progress to date – David Pauls

Initial Results of the GWAS for Tourette Syndrome – Nancy Cox, Nelson Freimer, Jeremiah Scharf

- define regions of interest/linkage
- p values
- candidate intervals
- validation from previous linkage data

Discussion of GWAS findings and next steps

8:30 PM *Adjourn; group dinner (non-sponsored) will be organized*

Wednesday, March 11

8:00 AM *Coffee & Continental Breakfast*

8:30 AM – 10:00 AM **Discussion of Future Work.**

SNP Selection – Nelson Freimer, Nancy Cox

Sample composition for follow-up studies – William McMahon, David Pauls

set goals for an appropriate sample composition and size for replication studies along with the most productive follow-up strategies to identify TS susceptibility genes. We estimate that at least 4,000 samples will be needed for a replication study. The TSAICG has already begun to collect the first few hundred samples for replication (housed in the NINDS repository), and plans to continue collection of ~1500-2000 affected TS individuals. Investigators/clinicians attending the workshop are expected have at least 1,000 samples already collected and access to at least 1,000-1,500 additional samples that can potentially be contributed to the replication study.

Presentation by attendees describing their TS samples

10:00 AM – 10:30 AM *Break*

10:30 AM – 12:30 PM

Achieving consensus on the most productive strategies to follow up the initial GWAS results

Requirements for inclusion in the replication sample

12:30 PM – 1:00 PM *Working Lunch*

1:00 PM – 3:30 PM **Developing a Mechanism for Collaboration on a Replication Study**

Establish minimum phenotypic assessments for the replication study

Establish timelines for sample collection and provision of samples to the replication study

Estimate the budget for the replication study, and discuss strategies to obtain the necessary funding and/or identify other potential funding partners

Establish guidelines for collaboration

Establish procedures to resolve human subjects related issues

3:30 PM

Adjourn