

**Draft programme for GABRIEL Phase Two workshop
St George's, University of London, 22-23 November 2007**

Objectives

1. Discuss and decide the analytical strategy for centralized analysis of Phase 2 genetic data in relation to asthma and total IgE.
2. Discuss how Phase 2 study centres should proceed to analyse Phase 2 genetic data locally.
3. Discuss and decide how SNPs will be chosen for inclusion in Phase 3 genotyping.
4. Outline the timescale and analytical approach to Phase 3.

Timetable

Wednesday 21 November

afternoon/evening Overseas participants arrive. No formal dinner arrangements.

Thursday 22 November

0900	Welcome and introductions
0910	Overview of revised Phase 2 design, including WT application
0930	Choice of controls
0945	Update on progress with genotyping
1000	Discussion
1015	Report on Groningen workshop, 10-12 October 2007 - any insights of relevance to discussions below?
1030	Break
1100	Analysis of Phase 2 genotype data (centre by centre) - data structure: genotypes and phenotypes - source of control data - approach used for Phase 1 analysis - genome-wide analysis for asthma - genome-wide analysis for total IgE - adjustment for confounders - adjustment for ethnic confounding / population stratification
1300	Lunch
1400	Combination of results from different centres (meta-analysis) - child v adult v industrial asthma (separately or together?) - graphical presentation of results by centre

- heterogeneity across centres
- pooling / combination of results (fixed or random effects?)
- additive v dominant/recessive models
- adjustment for multiple comparisons

1530 Break

1600 Analysis of Phase 2 genotype data (by phase 2 centres)

- data structure: genotypes and phenotypes
- choice of statistical software
- definitions of outcomes (other than asthma diagnosis)
- definitions of interacting exposures
- gene-environment interactions

1730 End of session & drinks

1830 Dinner at a local restaurant

Friday 23 November

0900 Overview of Phase 3 design and timetable

0915 Genotyping platform and choices for Phase 3

0930 Issues in choice of SNPs for Phase 3

- nested entirely within Phase 2 SNPs?
- coverage of candidate genes and regions
- asthma-related v IgE-related
- statistical criteria for SNP selection

1030 Break

1100 Statistical analysis of phase 3

- outline timescale and tasks
- approach to gene-environment interactions

1145 Publications

- publications from centralized phase 2 analysis
- publications by phase 2 centres based on centre-specific analyses

1215 Administrative issues

- status of original datasets on completion of the analyses
- status of sets of results on completion of the analyses
- status of DNA specimens on completion of phase 2, and of phase 3
- further communications and teleconferences
- issues to be flagged for the Annual Meeting, February 2008

1300 Lunch and end of meeting

1400 to 1700 (Time available for Executive Group discussion if required)