

## TYPE 1 DIABETES GENETICS CONSORTIUM SAMPLES AND DATA

The Type 1 Diabetes Genetics Consortium (T1DGC) is collecting blood samples and phenotypic data from approximately 2800 affected sibling pair families as well as trio families in ethnic groups with low prevalence of disease.

The blood collection includes:

- one 7.5-ml green top (sodium heparin) tube OR one 8.5-ml yellow top (CPDA) tube;
- one 7.5-ml red top (serum) tube;
- one 4.9-ml purple top (EDTA plasma) tube; and
- one additional 7.5-ml green top (sodium heparin) tube OR one 8.5-ml yellow top (CPDA) tube **in participants 16 years or older.**

From the blood samples collected:

- cell lines are produced to provide DNA for HLA genotyping, whole genome scan and fine mapping activities;
- serum samples for probands and affected sibling(s) are analyzed for IA-2ic and GAD 65 autoantibodies; and
- serum and plasma samples are stored for future use.

Samples that will be available (with appropriate Access Committee approval) include:

- DNA aliquots;
- serum aliquots; and
- plasma aliquots.

Phenotypic data that will be available (with appropriate Access Committee approval) include:

- eligibility criteria (age at onset, insulin use);
- age;
- ethnicity;
- family history of diabetes; and
- presence of other autoimmune diseases

Other data that will be available (with appropriate Access Committee approval) include:

- autoantibody results
- HLA genotyping (Class I and Class II loci)
- whole genome scan
- fine mapping results