Comprehensive Phenotyping Process

Schematic Overview - Dream 2016

**Developmental Origins of Obesity**

We will unite 4 cohorts of children that span a broad spectrum of gestational exposures (from maternal obesity, GDM, pre-existing T2D) and cardio-metabolic risk in children (healthy, obese, T2D). Key clinical data and biological samples have been collected across all cohorts.

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**Comprehensive Phenotyping** of Complications and their Biological Determinants in Cohorts of *Youth with T2D* and the *Birth Cohort of Mothers with T2D*:

- **Epidemiological Evidence** for Risk Factors for Complications
- **Gene-Environment Interactions**
- **Creation of Animal Models** – Identification of Mechanisms underlying Epidemiological Associations
- **New Evidence to Guide Clinical Decision Making**
- **New Theories to Guide Follow-Up Studies and Clinical Intervention**
- **Novel targets for Future Interventions**