



Health-e-Child

# **JIA Genetics HeC**

## **Great Ormond St Hospital**

### **London**



- Gene Chip to include tagging SNPs of genes affecting growth and damage of cartilage and bone:

- Rank & RankL
- Osteopontin
- Osteoprotegerin
- Cytokine/chemokine genes

Those associated with mild/severe disease +/- have direct action on bone and cartilage:

*e.g. IL-1, IL-6, IL-10 gene families, rantes.*

## Genotyping

- All JIA participants will be included
- High throughput genotyping to be performed on Illumina Platform in London

## Correlate Genotypes with:

- Radiographic non-progression vs.rapid progression  
Scoring system currently being defined
- Clinical scores of Joint Damage