24 Preterm Infants Enrolled
- Gestational Age <= 33 weeks
- Birth weight > 950g

x 3 NEC

x 4 LOS

x 14 control

Collected longitudinal fecal samples
- started right after birth
- ended at discharge

x 45 NEC samples
- NEC#1: 18 samples
- NEC#2: 8 samples
- NEC#3: 13 samples
- NEC#4: 6 samples

x 44 LOS samples
- LOS#1: 15 samples
- LOS#2: 16 samples
- LOS#3: 17 samples

x 103 control samples

Sequencing & Analysis
- 16s rRNA gene sequencing
- QC, OTU clustering
- Diversity analysis
- Composition analysis