Maternal BPA exposure
Control, 50 µg and mg BPA/kg diet

Genomic DNA from day 22 a/a offspring (N=12, 4 per group)

Enrich for CpG-rich regions

Perform High-throughput Sequencing Using Illumina GAIIx
Single-end, 80 bp reads

Scan the entire genome using
Moving window of 100 bp
Moving shift size = 50 bp

Test for differences in each group

Control           UG             MG

Candidates & validation

Bioinformatics analysis & data mining

NGS sequencing

DNA extraction & methylation enrichment

BPA exposure