2) Normalization

1a) Create median reference array
1b) Estimate signal components for each probe j

2a) Estimate and correct differences in technical effects w.r.t. reference array:
   - Optical background effect $\delta_i$
   - Hybridization background $\phi_i$
   - Hybridization foreground $\eta_i$
   - Amplification $\beta_i$

2b) Perform w.r.t. reference signal:
   - Array location effects
   - Quantile normalization

3) Summarization
   - For each probeset k
   - Subtract background
   - Downweight probes with relative large background signal

Array signals $s_i$

Probeset overall expression $\phi_k$
Probeset array factor $\delta_k$
Probe affinity factor $\rho_j$