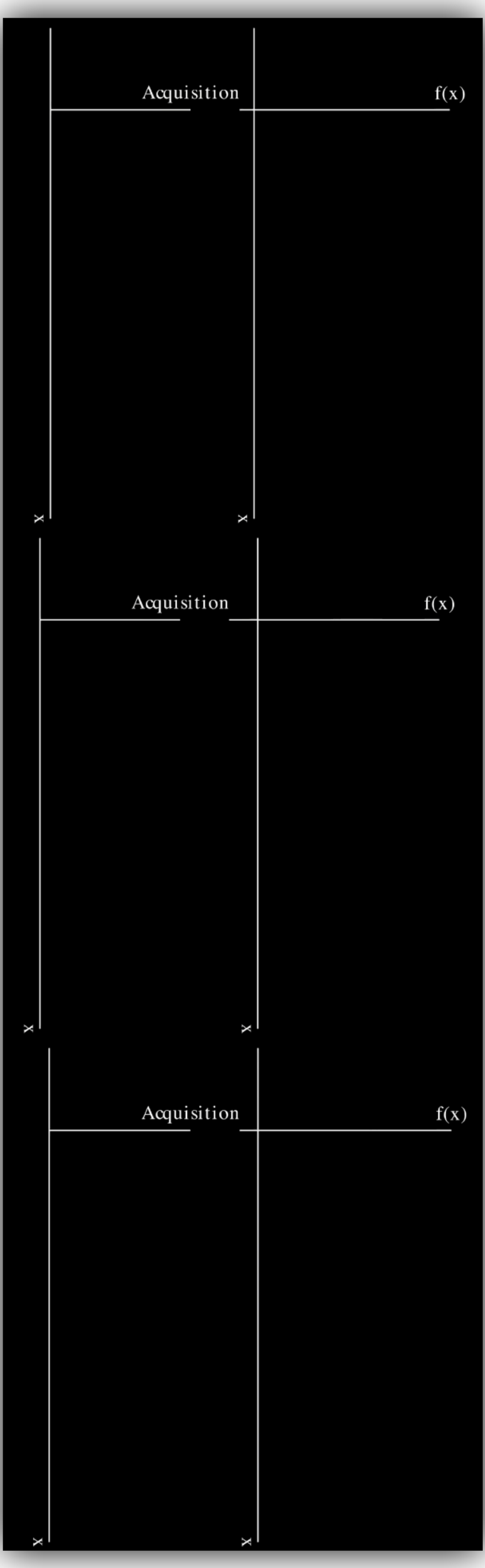
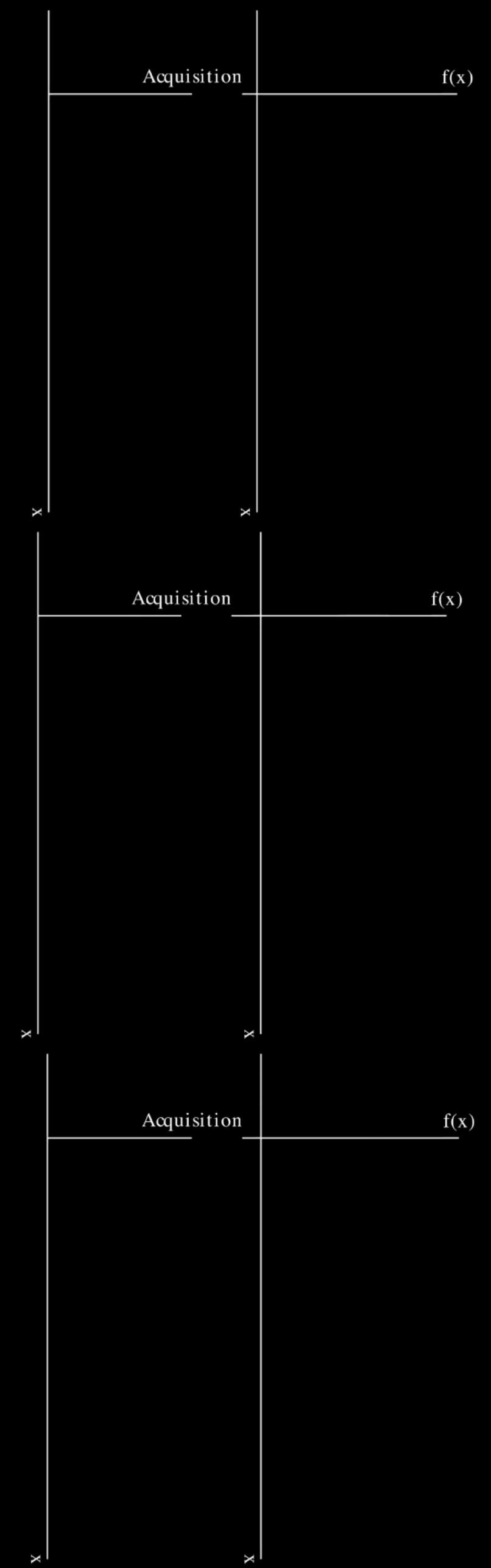
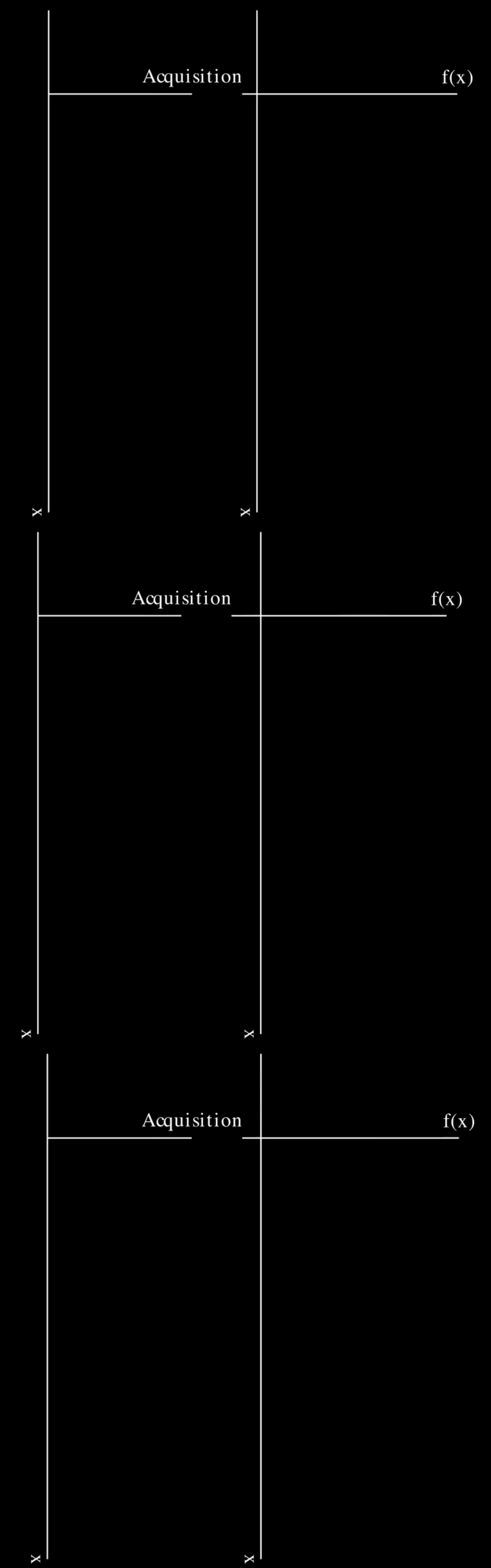
next Λ
$L_{\text{surr}}(\mathscr{D} \mid \Lambda)$

Active learning for the surrogate Likelihood


Acquisition
f(x)
x
x
Acquisition
f(x)
x
x
Acquisition
f(x)
x
x

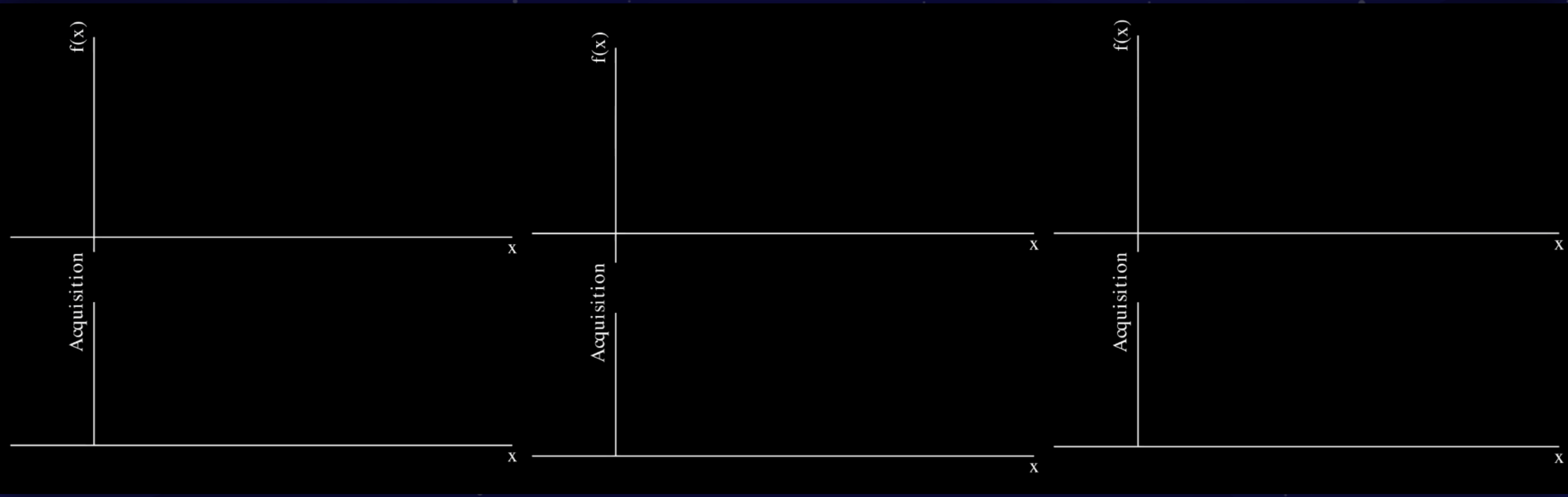

Acquisition
f(x)
x
x
Acquisition
f(x)
x
x
Acquisition
f(x)
x
x


Acquisition
f(x)
x
x
Acquisition
f(x)
x
x
Acquisition
f(x)
x
x

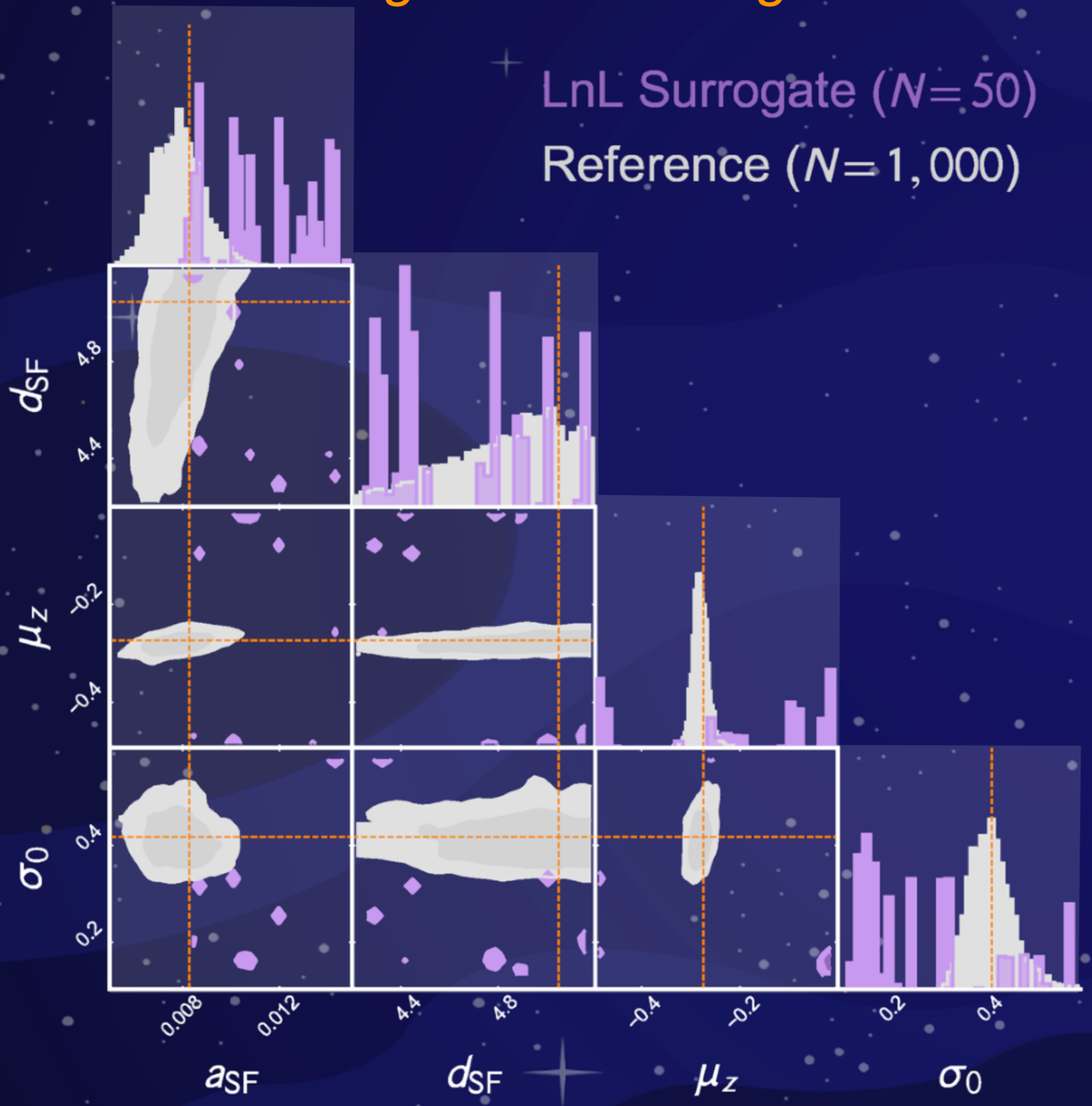
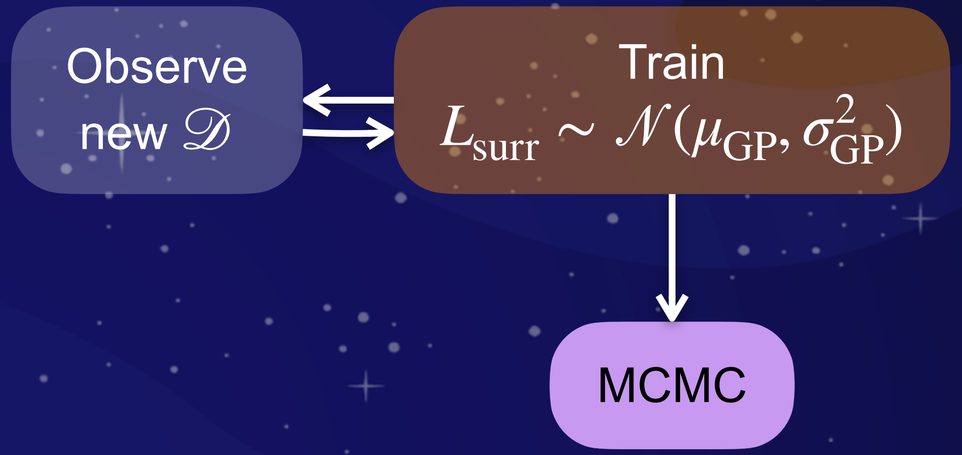
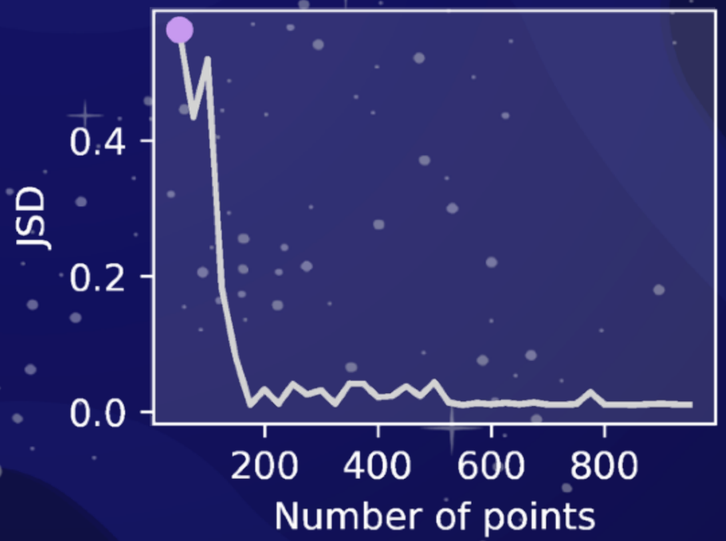
Bayesian optimisation

Active learning for the surrogate Likelihood

Exploitation *Exploration* *Mixture*



Acquisition function $\rightarrow$ next Λ for COMPAS simulation that improves $L_{\text{surr}}(\mathscr{D} \mid \Lambda)$

Bayesian optimisation

Active learning for the surrogate Likelihood