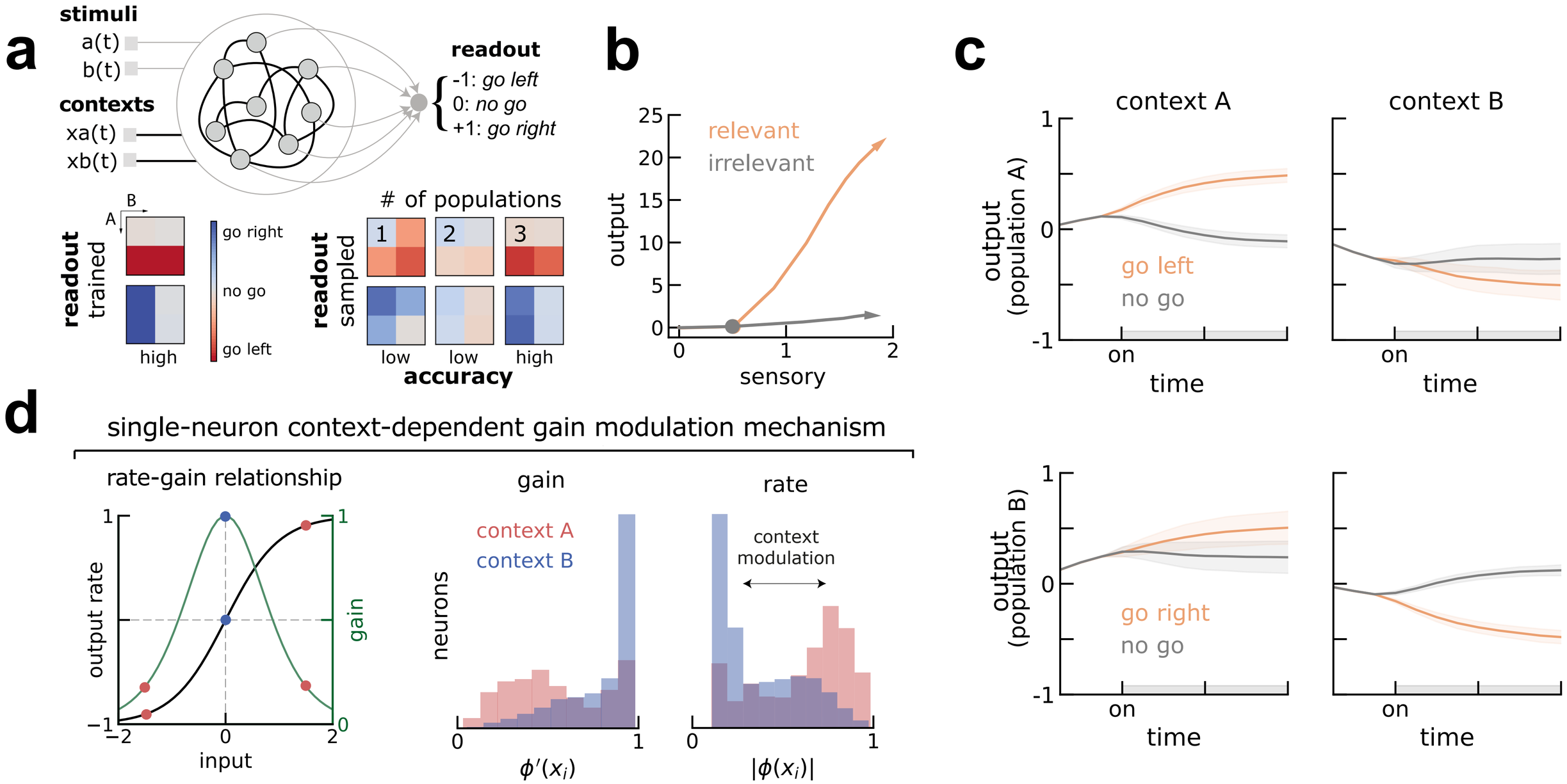
a
stimuli
a(t)
b(t)
contexts
xa(t)
xb(t)
readout
-1: go left
0: no go
+1: go right
readout trained
A
B
high
go right
no go
go left
# of populations
readout sampled
1
2
3
low
low
high
accuracy
b
relevant
irrelevant
output
sensory
c
context A
context B
output (population A)
go left
no go
on
time
output (population B)
go right
no go
d
single-neuron context-dependent gain modulation mechanism
rate-gain relationship
output rate
gain
input
gain
context A
context B
neurons
$\phi'(x_i)$
rate
context modulation
$|\phi(x_i)|$