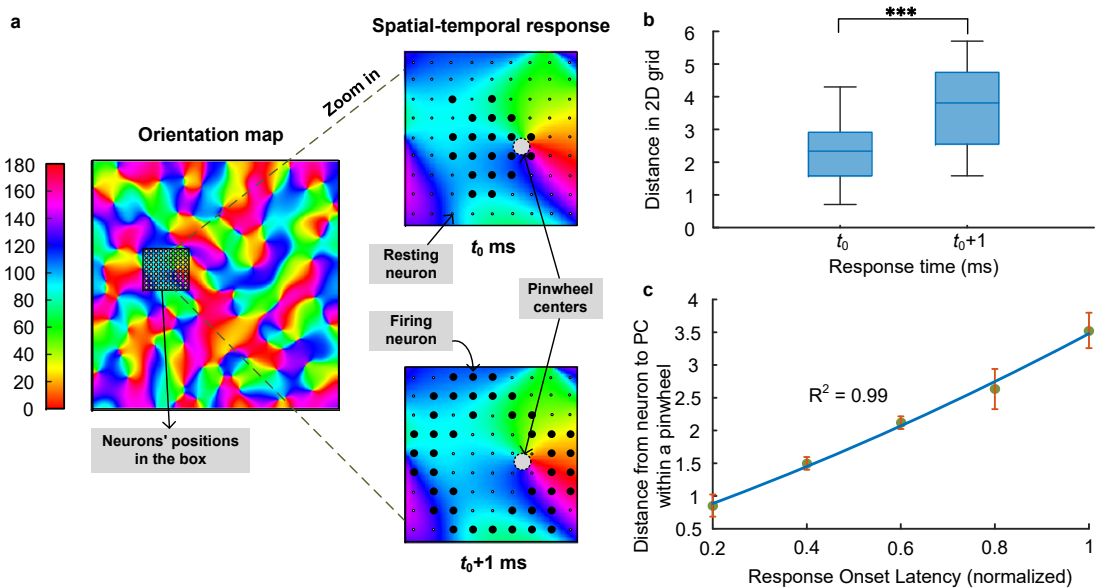
a
Spatial-temporal response
Zoom in
Orientation map
180
160
140
120
100
80
60
40
20
0
Resting neuron
t_0 ms
Pinwheel centers
Firing neuron
Neurons' positions in the box
t_0+1 ms
b
***
Distance in 2D grid
6
5
4
3
2
1
0
t_0
t_0+1
Response time (ms)
c
Distance from neuron to PC within a pinwheel
4
3.5
3
2.5
2
1.5
1
0.5
R^2 = 0.99
0.2
0.4
0.6
0.8
1
Response Onset Latency (normalized)