Computing a spike-triggered average

600 mV

50 mV

200 ms

τ (ms)

C (mV)

300 200 100

100

-100

-200

-300

Two-spike-triggered average

A
velocity (degs/s)

50

0

25 ms

B
velocity (degs/s)

50

0

10 ms

C
velocity (degs/s)

50

0

5 ms
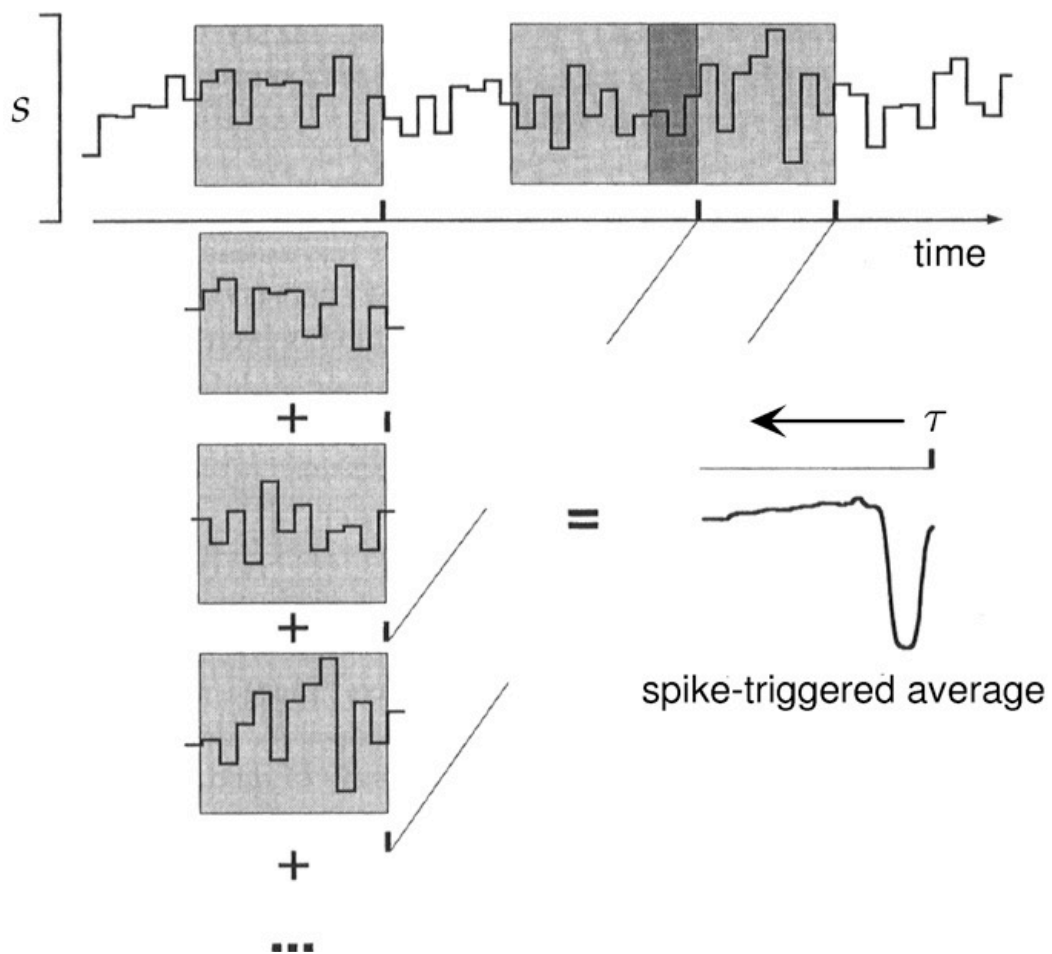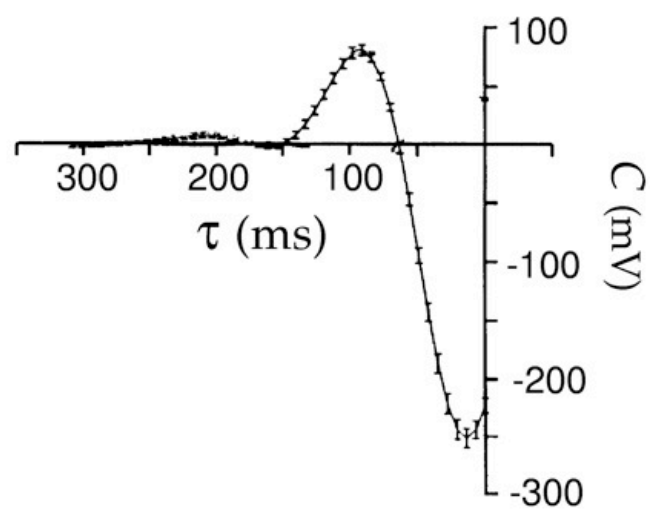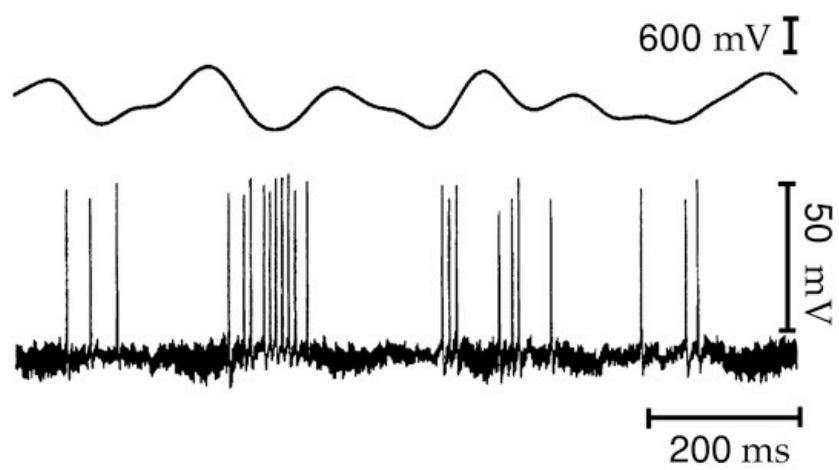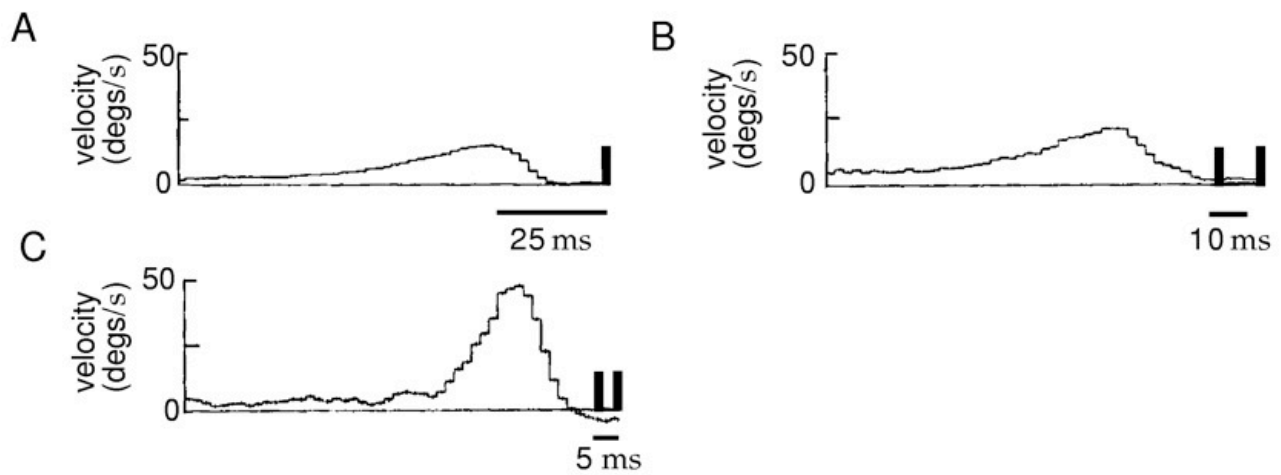
- You might expect that the two-spike average would be a linear summation of the single-spike averages.

- However, at some neurons multiple spikes are caused by especially large input signals.