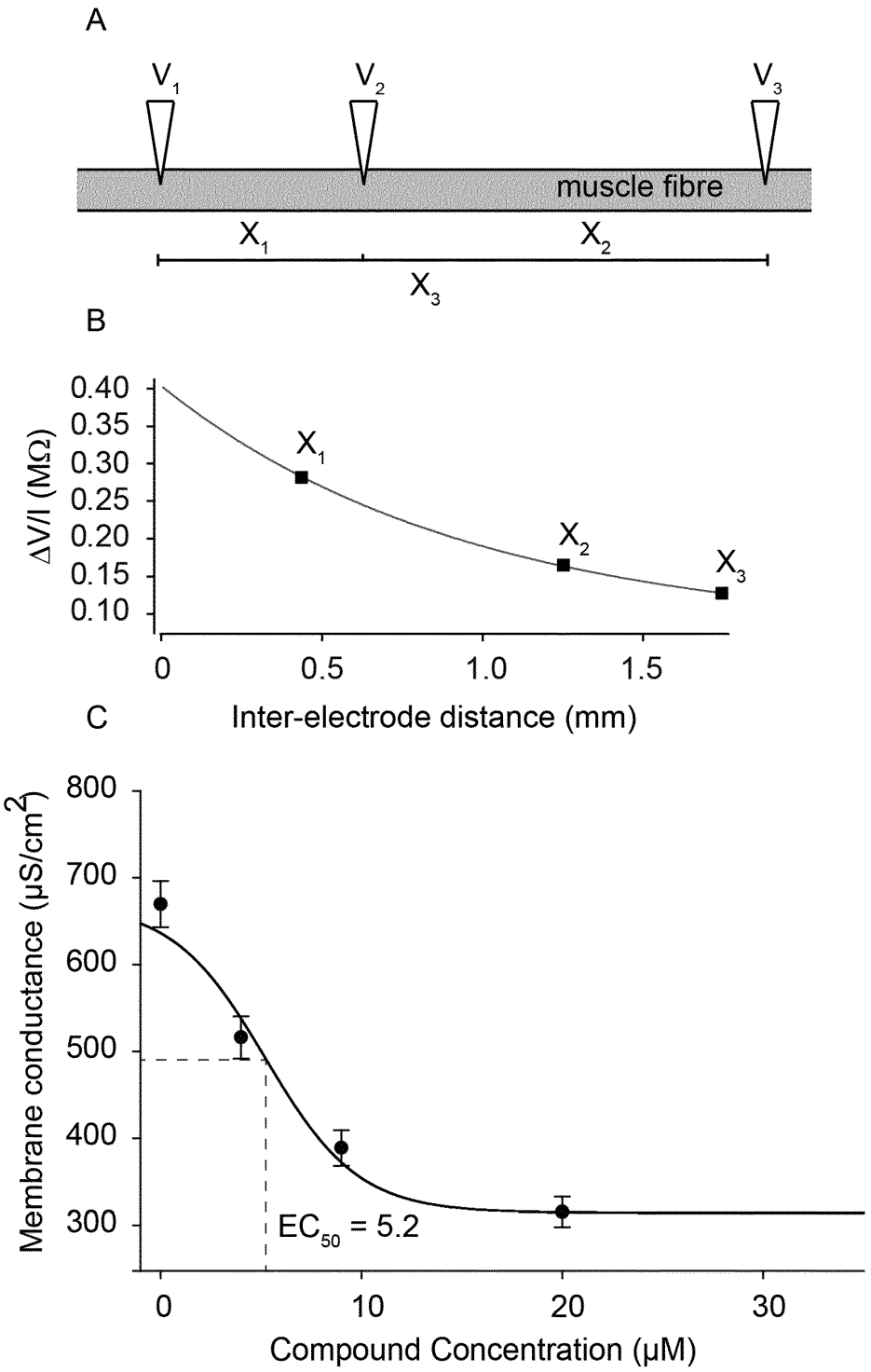

A
V1
V2
V3
muscle fibre
X1
X2
X3
B
0.40
0.35
0.30
0.25
0.20
0.15
0.10
ΔV/I (MΩ)
X1
X2
X3
0
0.5
1.0
1.5
Inter-electrode distance (mm)
C
800
700
600
500
400
300
Membrane conductance (µS/cm2)
EC50 = 5.2
0
10
20
30
Compound Concentration (µM)

Fig. 1

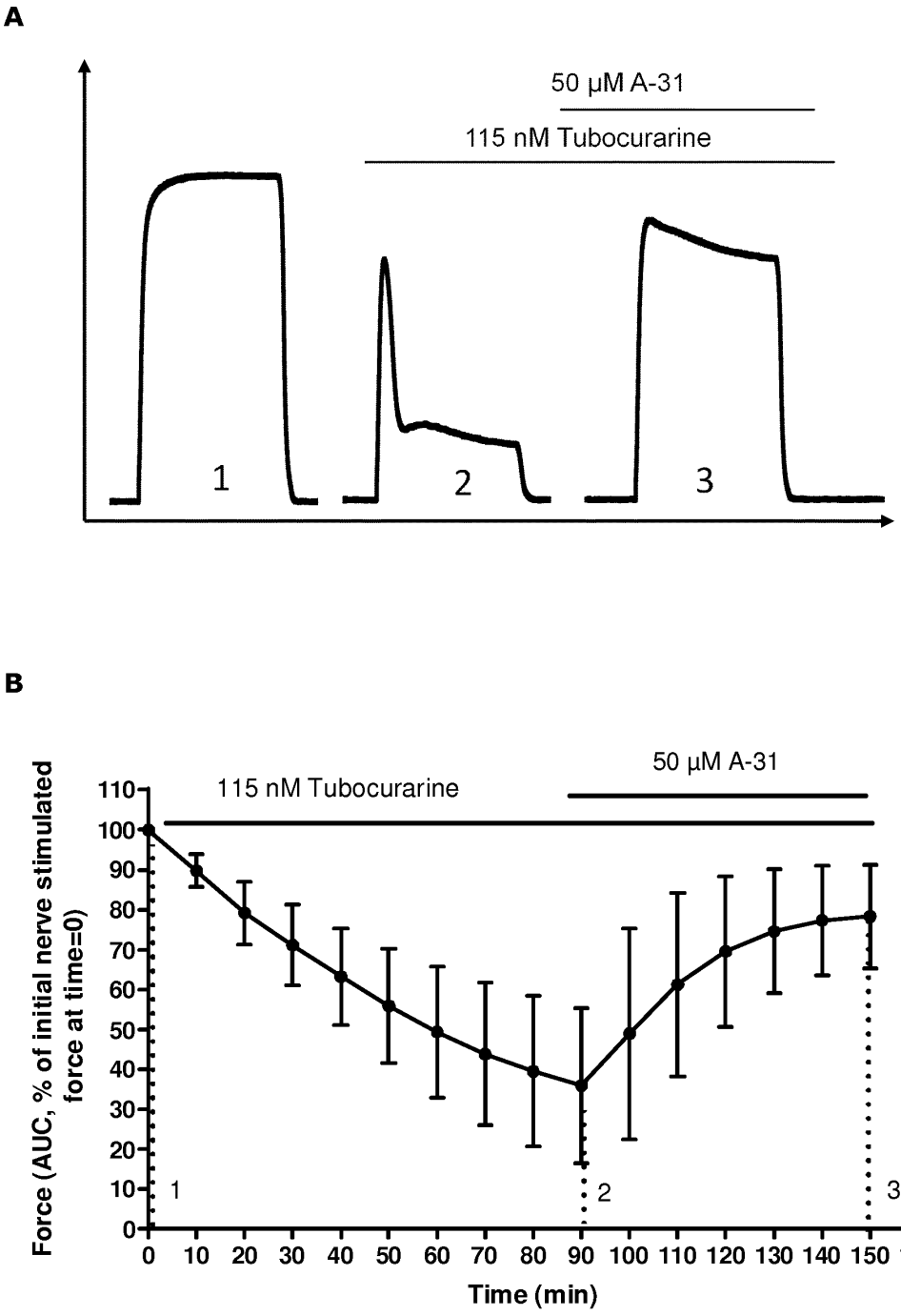
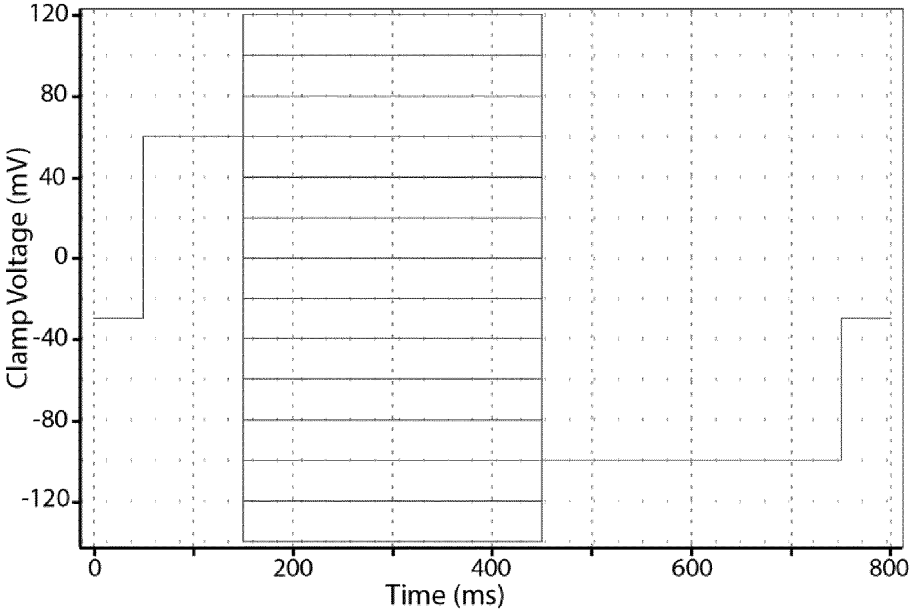

A
50 µM A-31
115 nM Tubocurarine
1
2
3
B
115 nM Tubocurarine
50 µM A-31
Force (AUC, % of initial nerve stimulated force at time=0)
110
100
90
80
70
60
50
40
30
20
10
0
1
2
3
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160
Time (min)

Fig. 2

A


120
80
40
0
-40
-80
-120
Clamp Voltage (mV)
0
200
400
600
800
Time (ms)

B

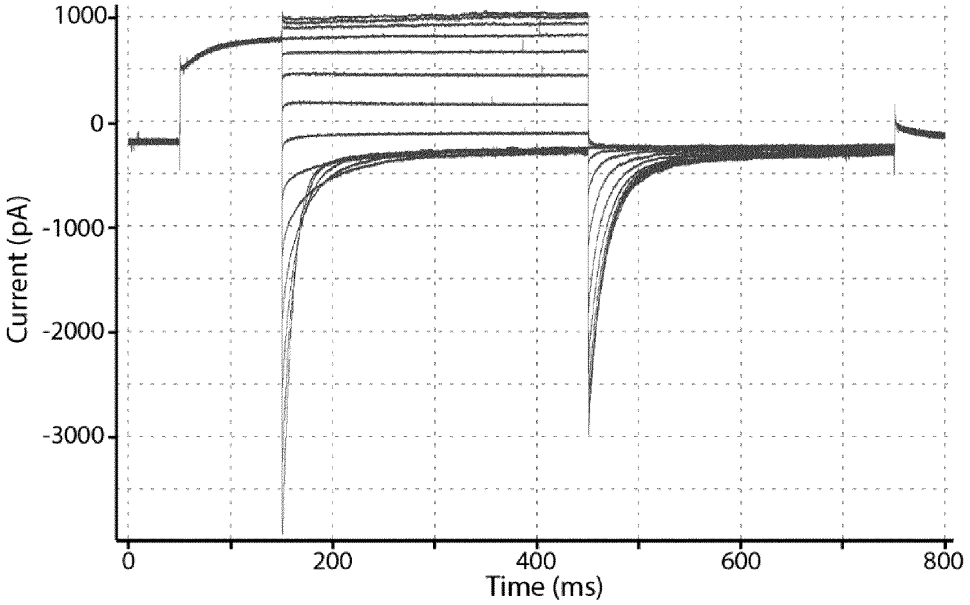
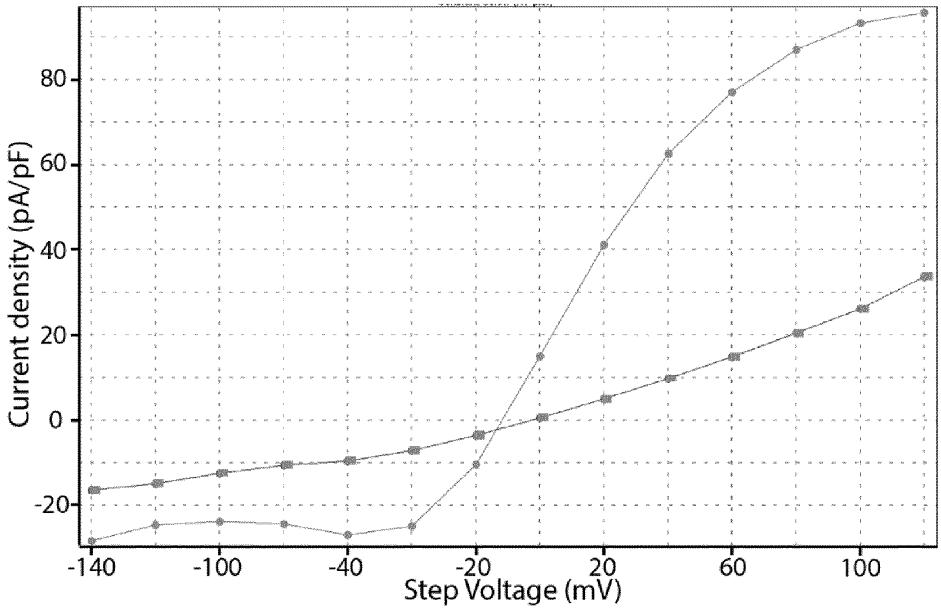

1000
0
-1000
-2000
-3000
Current (pA)
0
200
400
600
800
Time (ms)

Fig. 3

A


Current density (pA/pF)
80
60
40
20
0
-20
-140
-100
-40
-20
20
60
100
Step Voltage (mV)

B

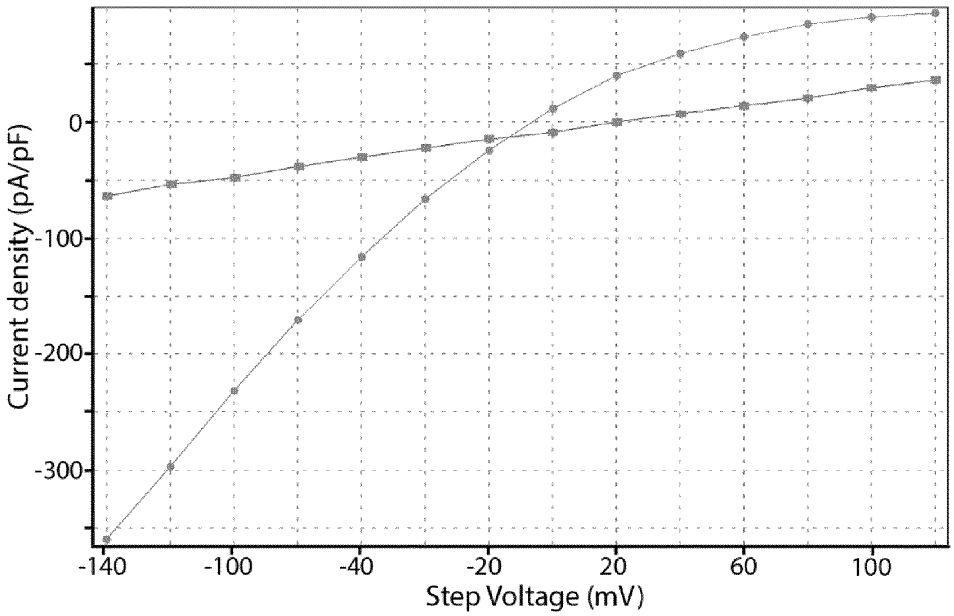

Current density (pA/pF)
0
-100
-200
-300
-140
-100
-40
-20
20
60
100
Step Voltage (mV)

Fig. 4

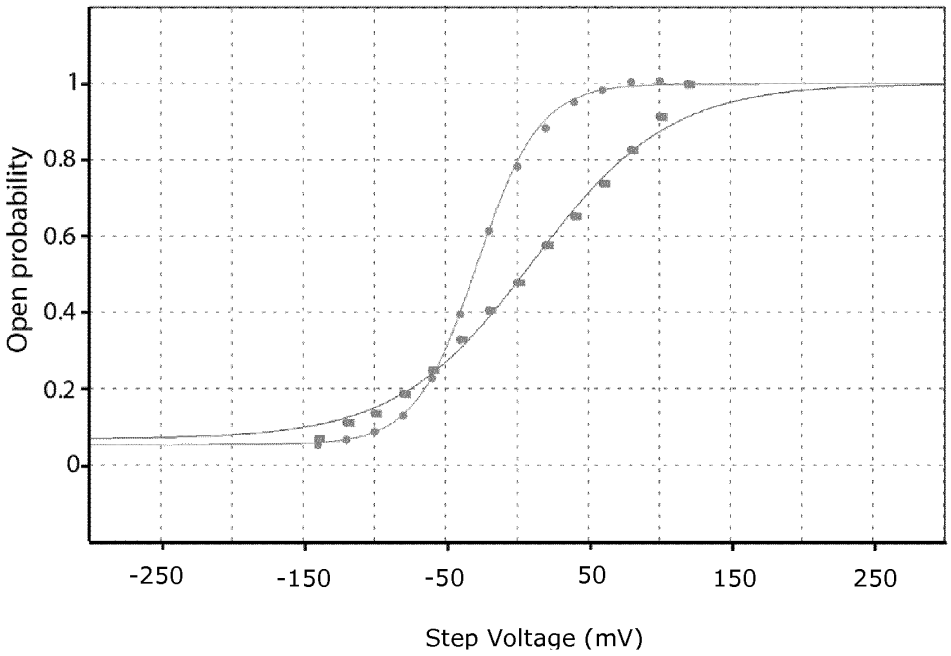

Open probability
1
0.8
0.6
0.4
0.2
0
-250
-150
-50
50
150
250
Step Voltage (mV)

Fig. 5