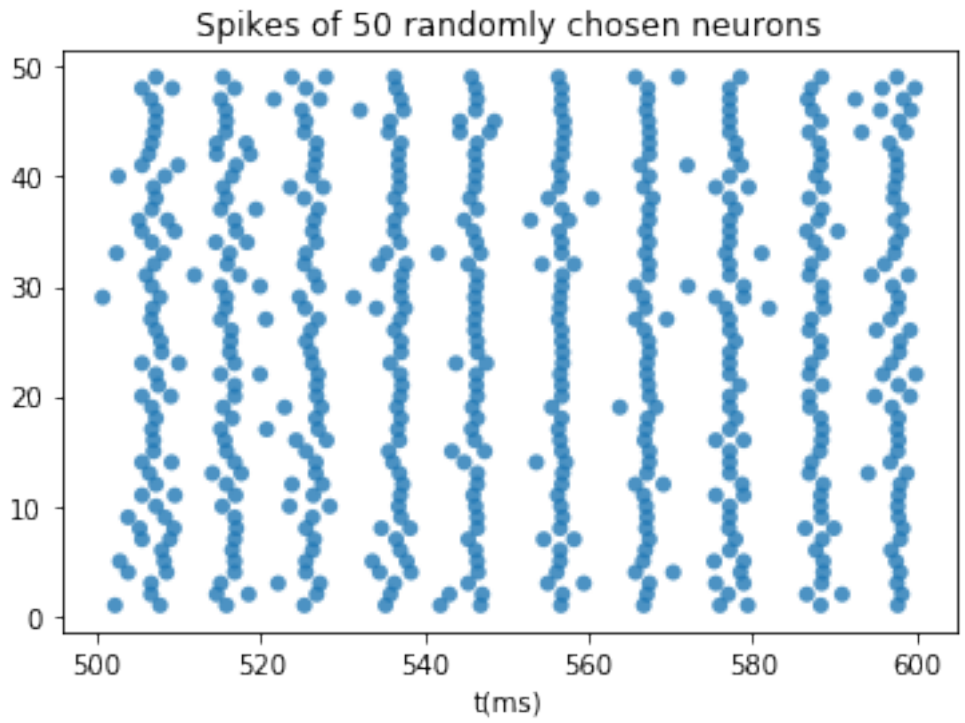
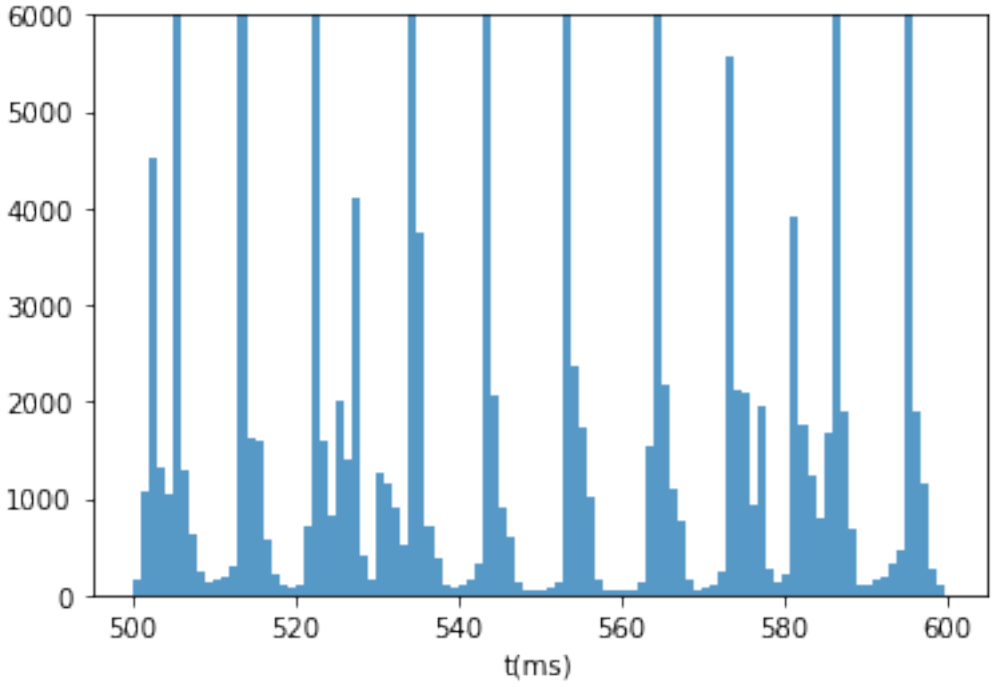
# Figure8_A

November 11, 2017

In [6]:
```
import numpy as np
import matplotlib.pyplot as pl
data = np.genfromtxt('SpikesA.gdf')
select1 = np.array([d for d in data if (d[1] < 50 and d[0] >= 500)])
data1 = select1.transpose()
select2 = np.array([d for d in data if d[0] >= 500])
data2 = select2.transpose()
pl.title("Spikes of 50 randomly chosen neurons")
#plots
pl.scatter(data1[0],data1[1],alpha=0.8, edgecolors = 'none');
pl.xlabel('t(ms)')
pl.show();
#histogramme
n, bins, patches = pl.hist(data2[0], 100, normed=0, alpha=0.75)
pl.xlabel('t(ms)')
pl.ylim(0,6000)
pl.show();
```


Spikes of 50 randomly chosen neurons
50
40
30
20
10
0
500
520
540
560
580
600
t(ms)


6000
5000
4000
3000
2000
1000
0
500
520
540
560
580
600
t(ms)