Electronic Supplementary Material (ESI) for Nanoscale Horizons.

Supplementary Figures

Primary microglia maintain capacity to function despite internalisation and intracellular loading with carbon nanotubes

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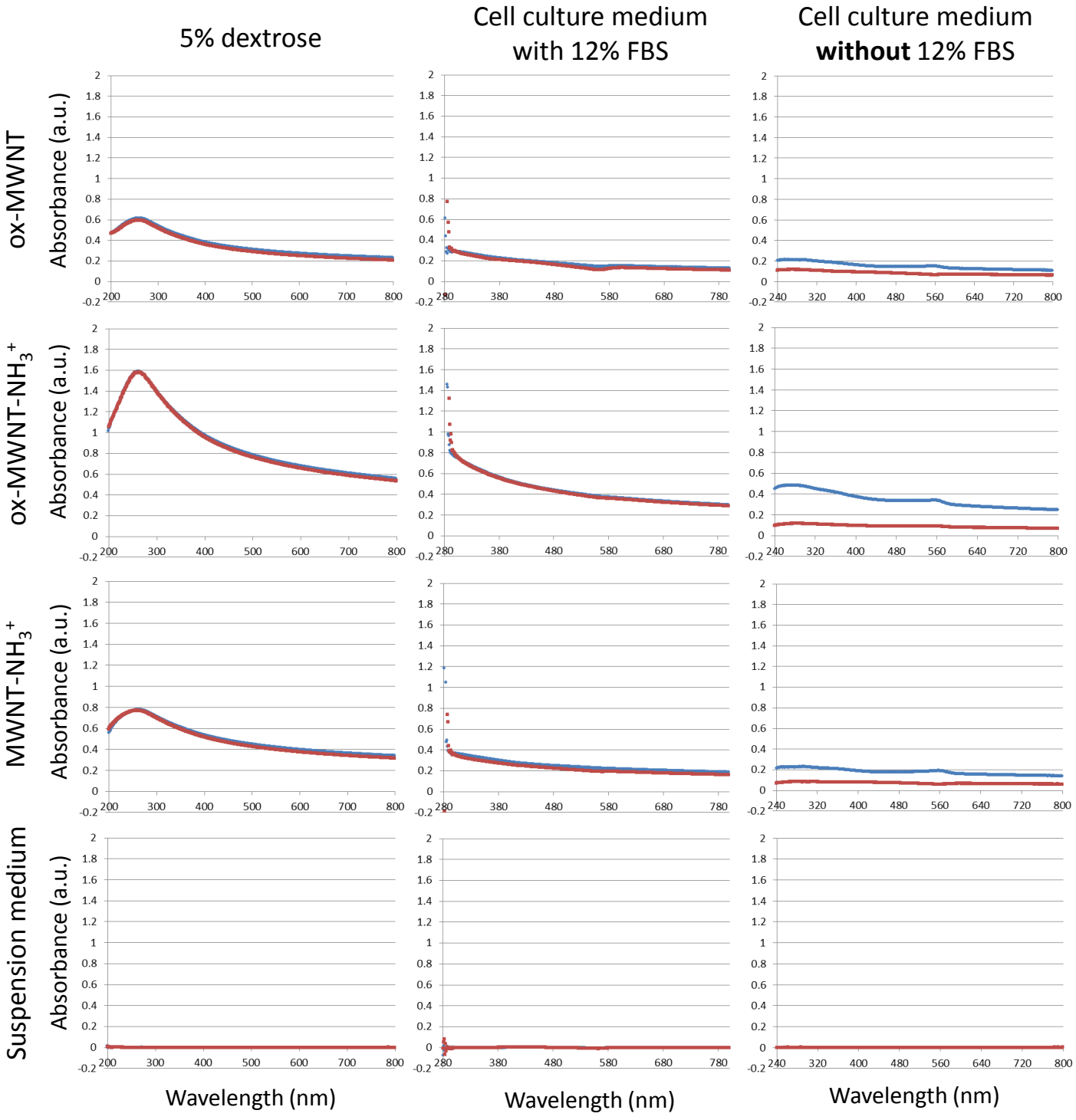
5% dextrose
Cell culture medium with 12% FBS
Cell culture medium **without** 12% FBS
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+
Suspension medium
Absorbance (a.u.)
Wavelength (nm)

FIGURE S1

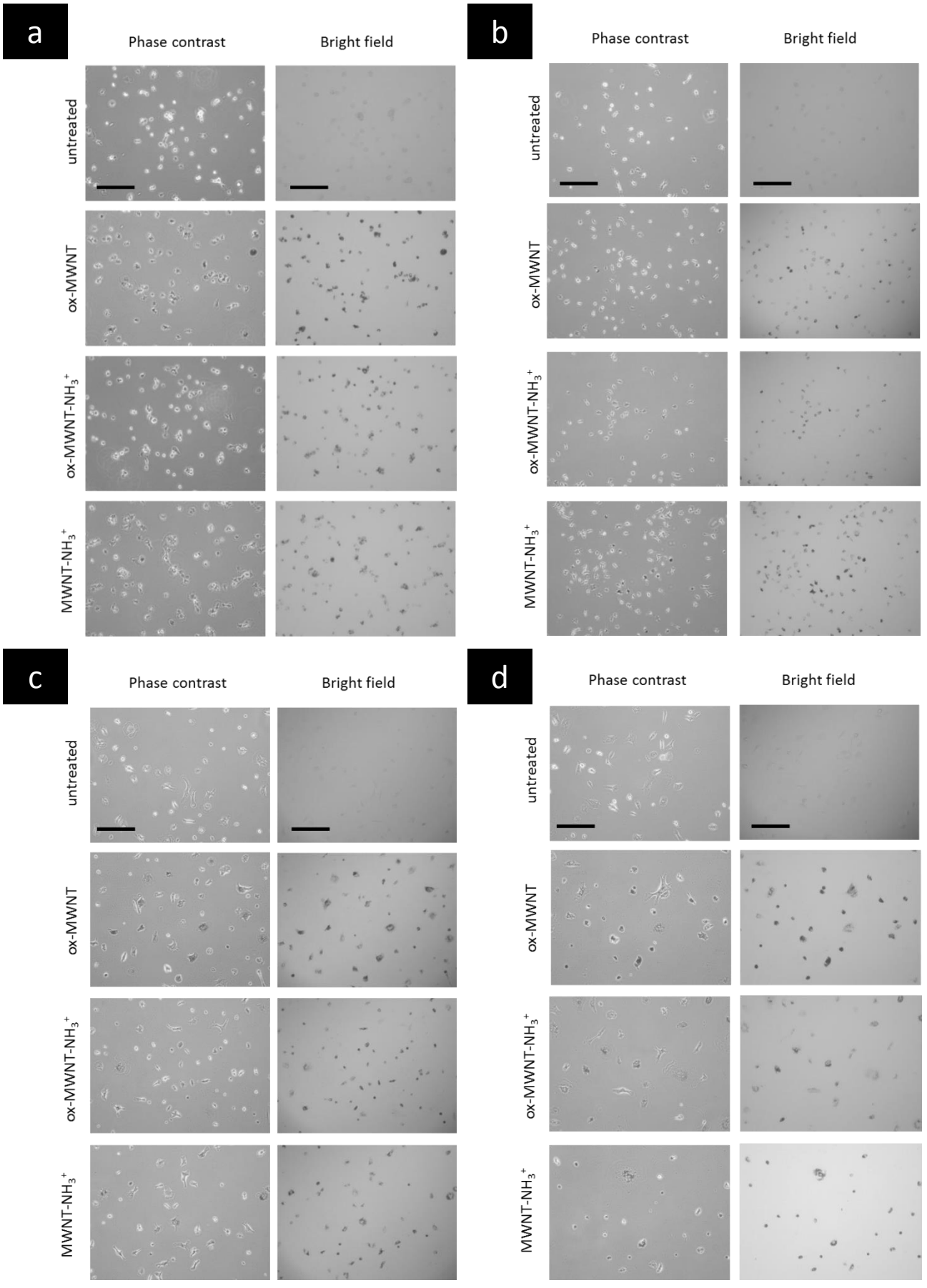
a
Phase contrast
Bright field
untreated
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+
b
Phase contrast
Bright field
untreated
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+
c
Phase contrast
Bright field
untreated
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+
d
Phase contrast
Bright field
untreated
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+

FIGURE S2

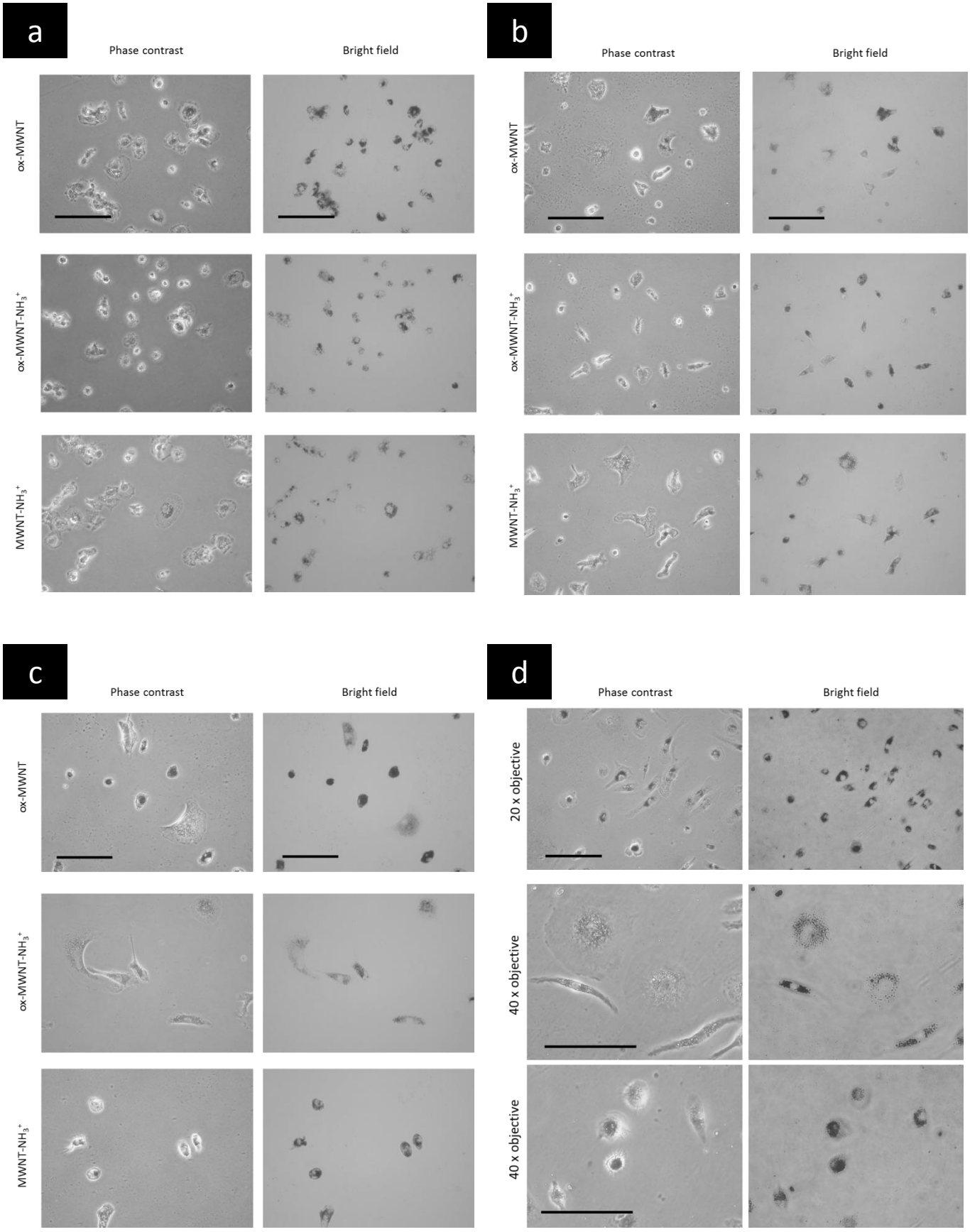
a
Phase contrast
Bright field
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+
b
Phase contrast
Bright field
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+
c
Phase contrast
Bright field
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+
d
Phase contrast
Bright field
20 x objective
40 x objective
40 x objective

FIGURE S3

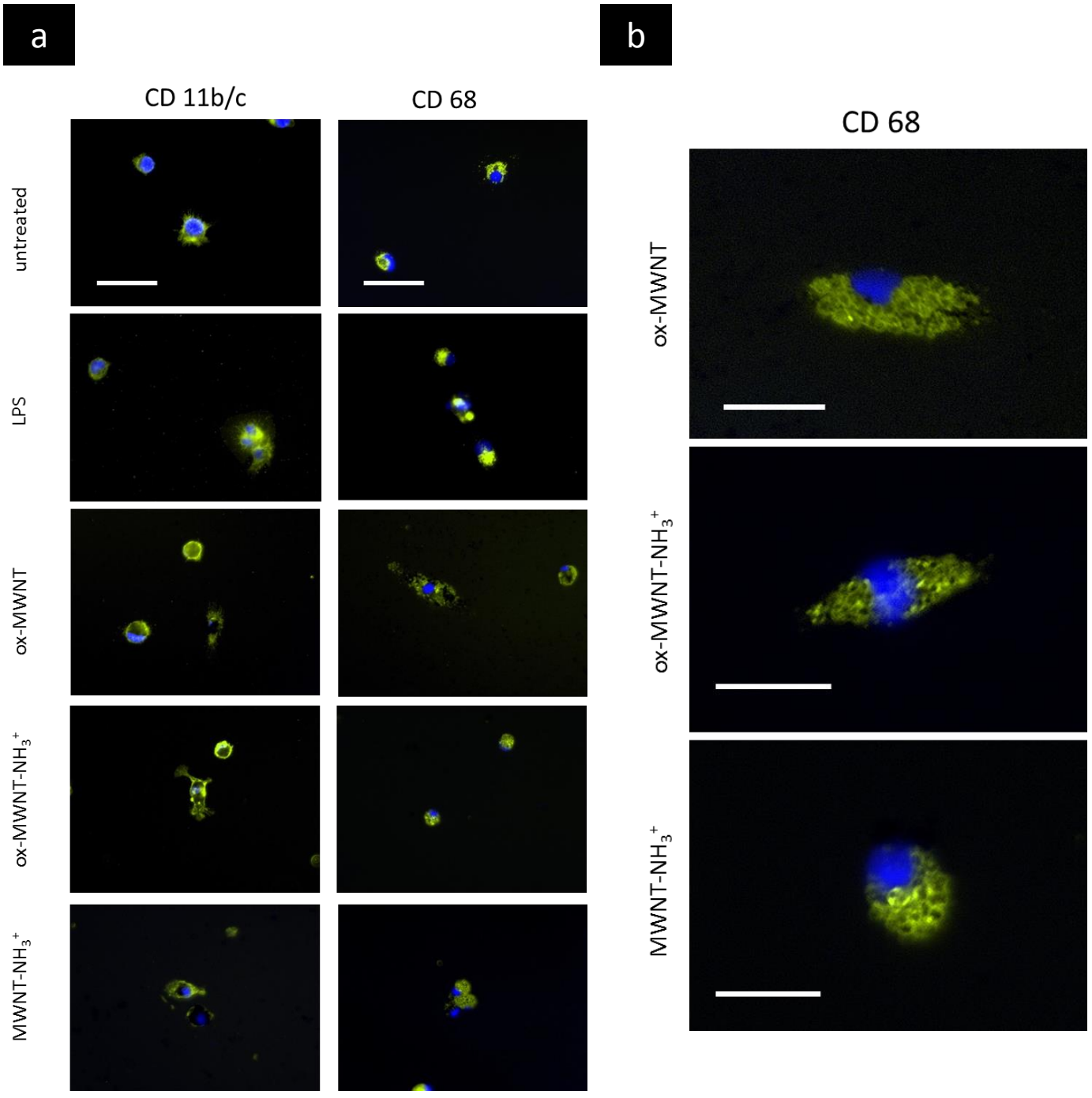
a
CD 11b/c
CD 68
untreated
LPS
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+
b
CD 68
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+

FIGURE S4

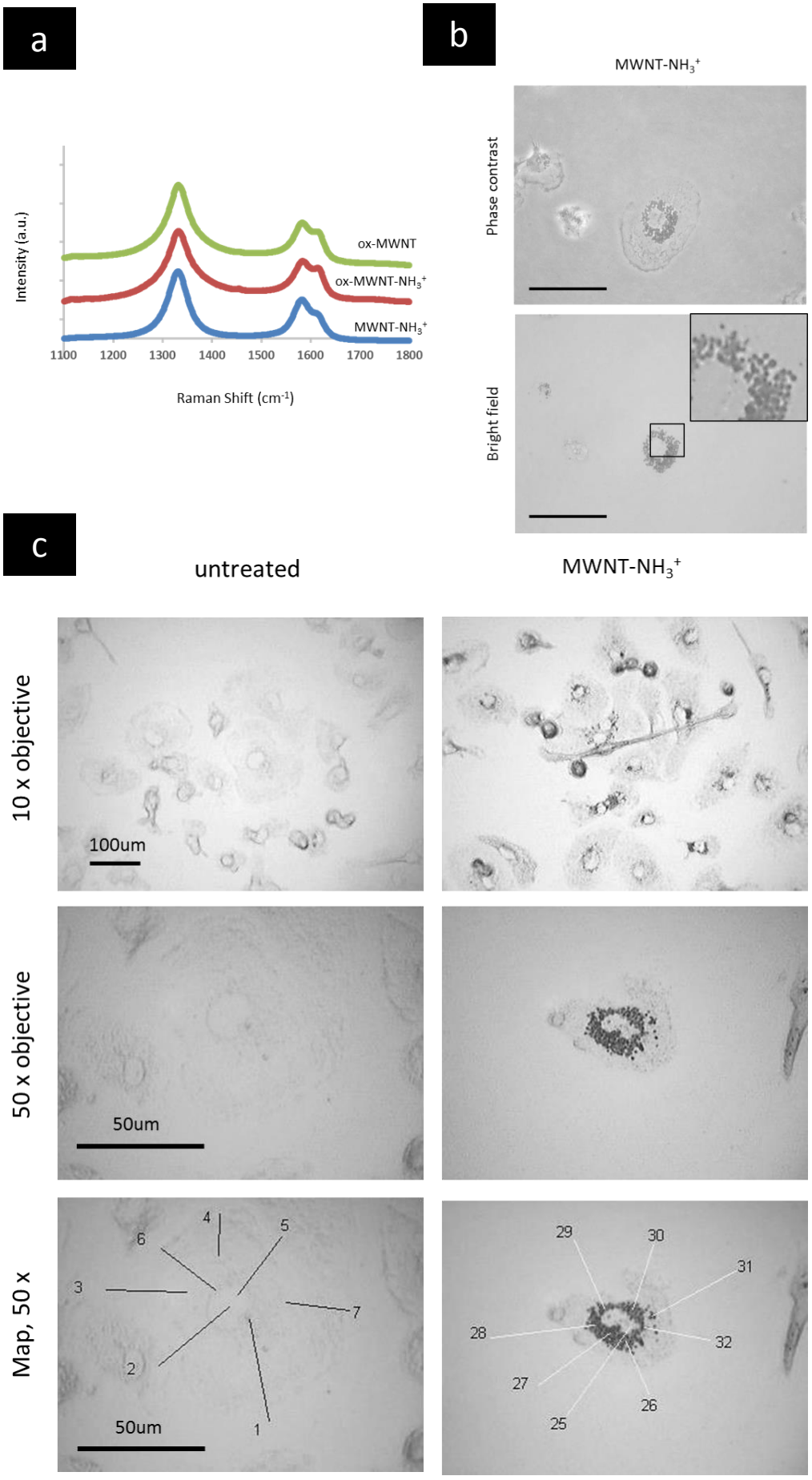
a
Intensity (a.u.)
ox-MWNT
ox-MWNT-NH3+
MWNT-NH3+
1100
1200
1300
1400
1500
1600
1700
1800
Raman Shift (cm-1)
b
MWNT-NH3+
Phase contrast
Bright field
c
untreated
MWNT-NH3+
10 x objective
100um
50 x objective
50um
Map, 50 x
50um
1
2
3
4
5
6
7
25
26
27
28
29
30
31
32

FIGURE S5

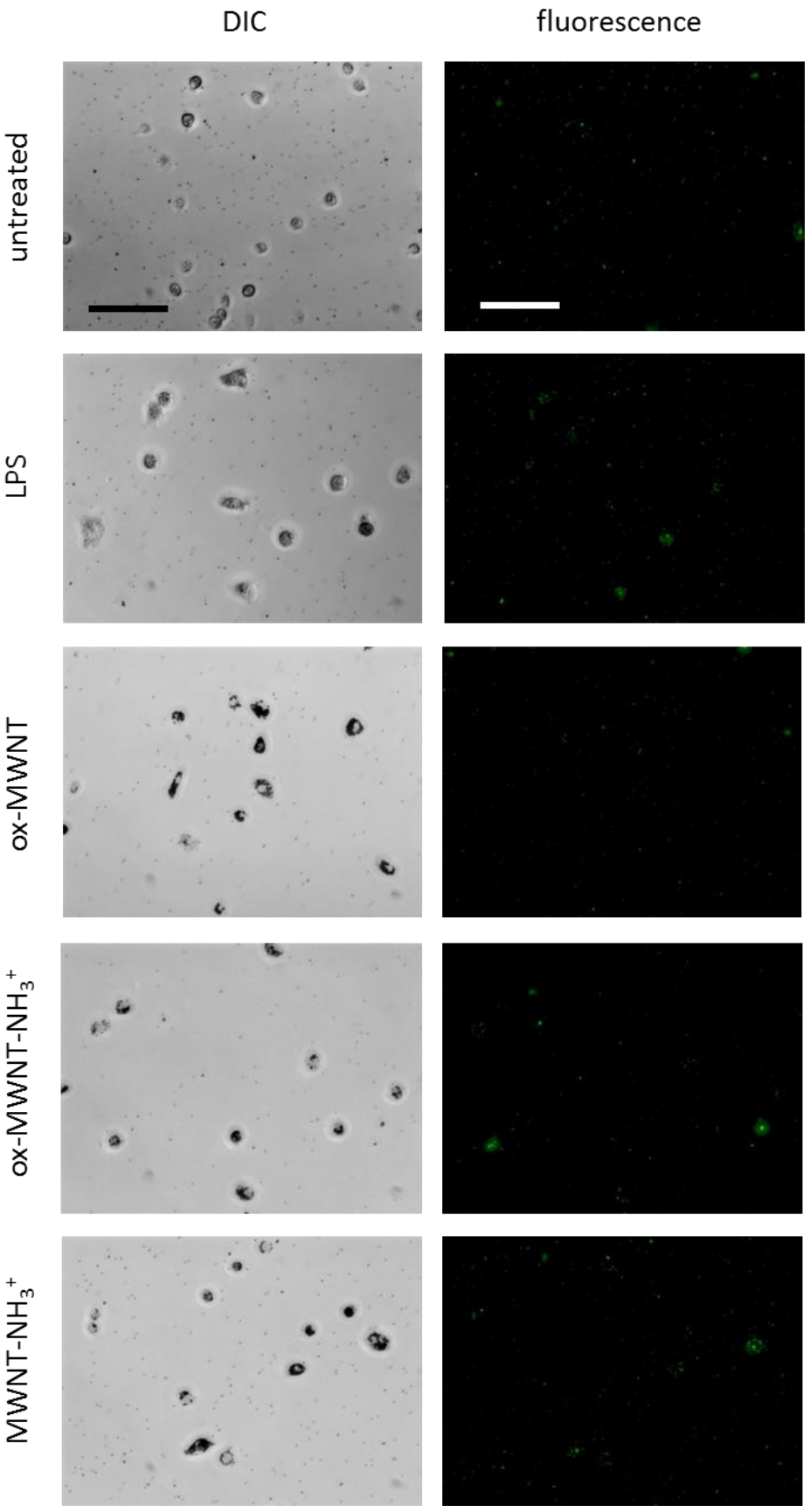

FIGURE S6

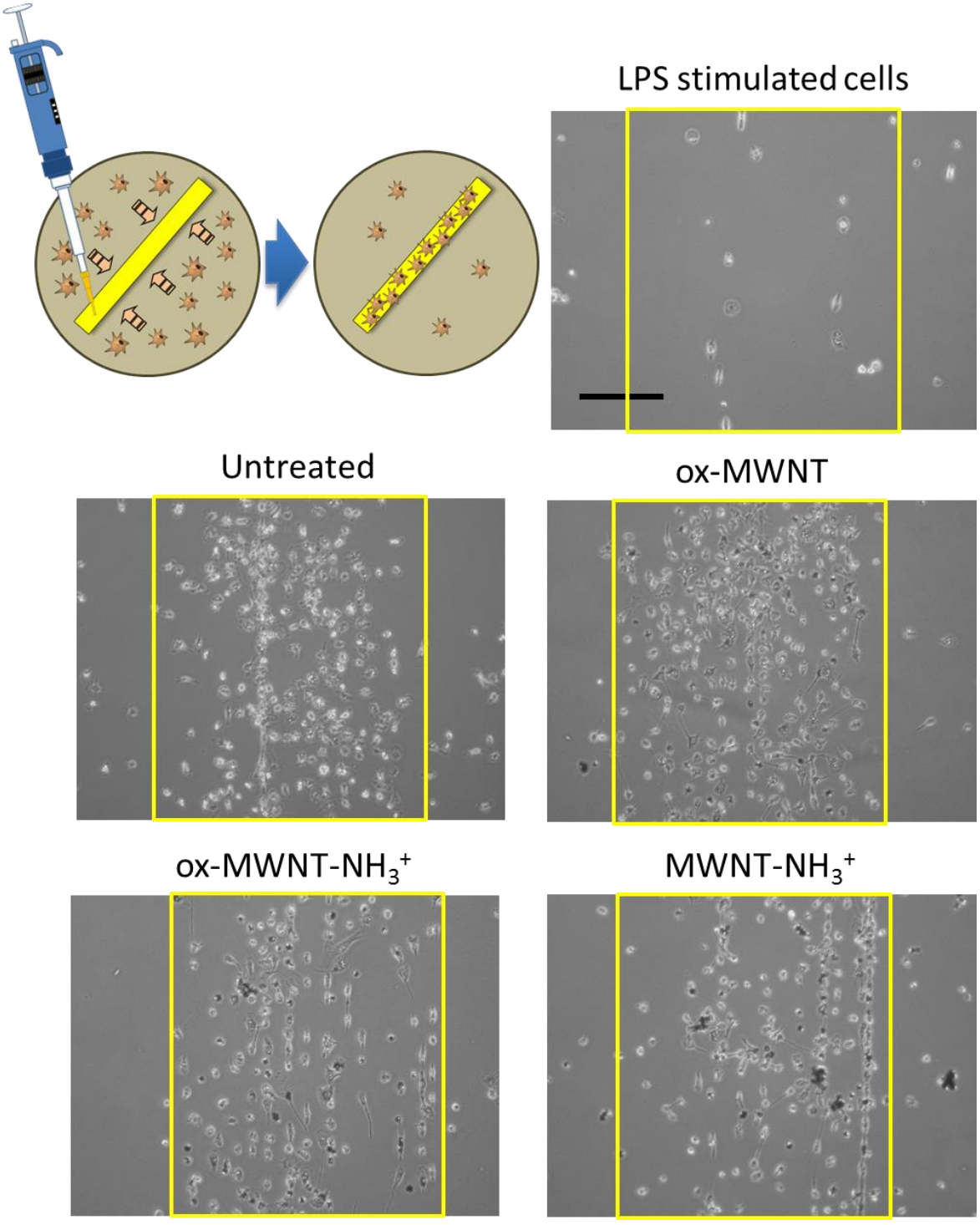

FIGURE S7