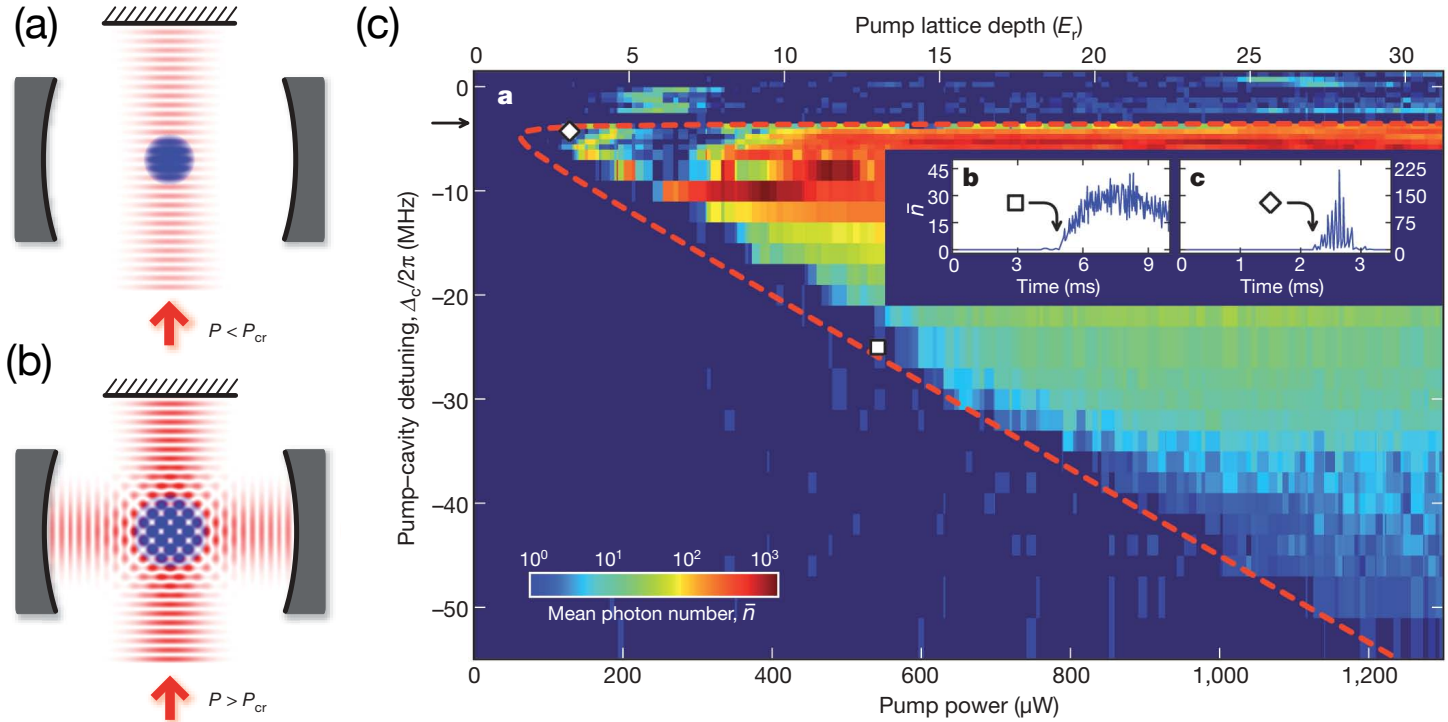
(a)
$P < P_{cr}$
(b)
$P > P_{cr}$
(c)
Pump lattice depth (E_r)
0
5
10
15
20
25
30
a
b
c
$\bar{n}$
45
30
15
0
Time (ms)
225
150
75
Pump–cavity detuning, $\Delta_c/2\pi$ (MHz)
0
−10
−20
−30
−40
−50
10^0
10^1
10^2
10^3
Mean photon number, $\bar{n}$
200
400
600
800
1,000
1,200
Pump power (μW)