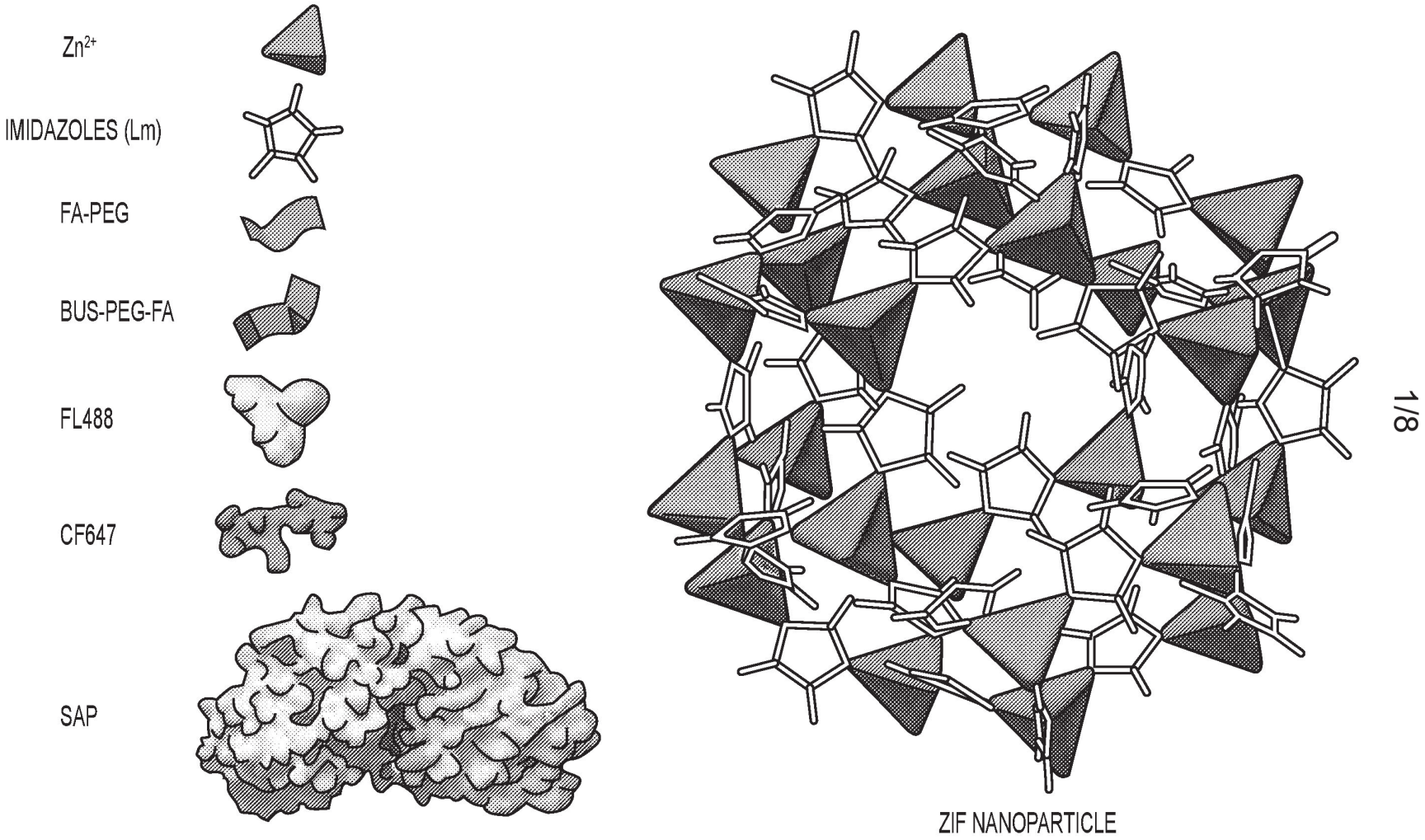

Zn^{2+}
IMIDAZOLES (Lm)
FA-PEG
BUS-PEG-FA
FL488
CF647
SAP
ZIF NANOPARTICLE

FIG. 1A

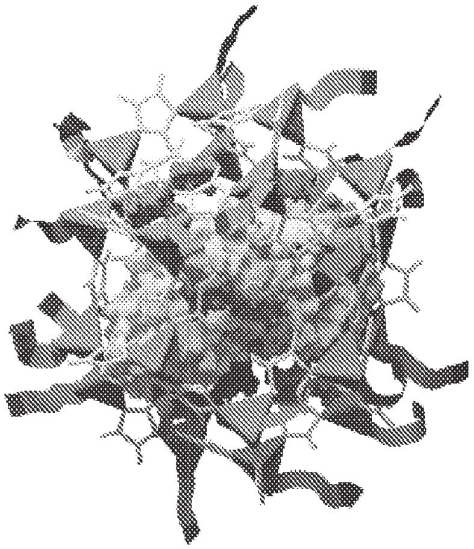


FIG. 1B

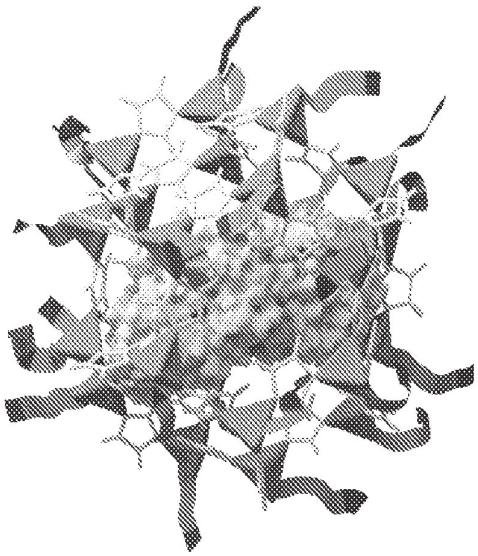


FIG. 1C

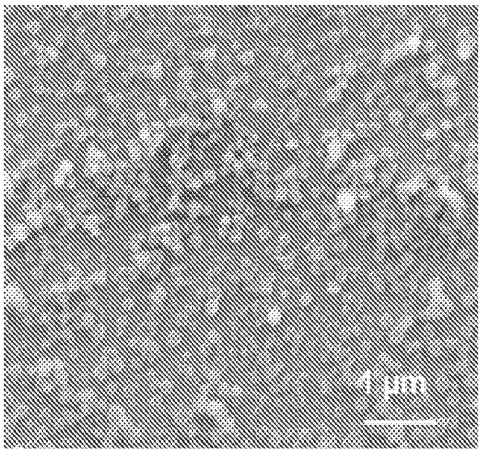


FIG. 2

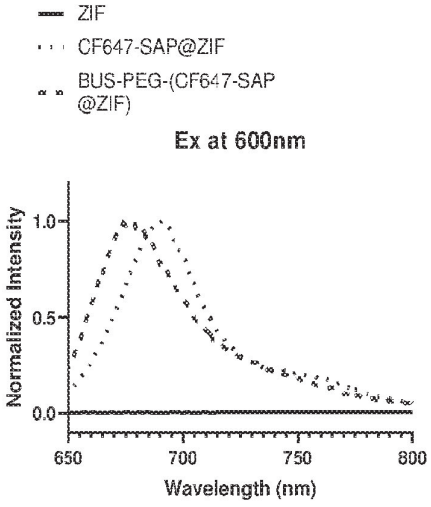


FIG. 3A

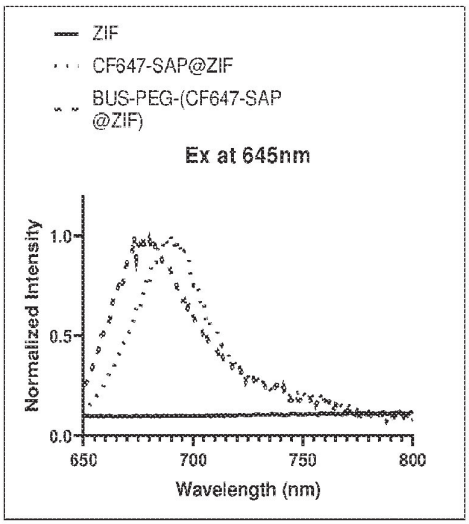


FIG. 3B

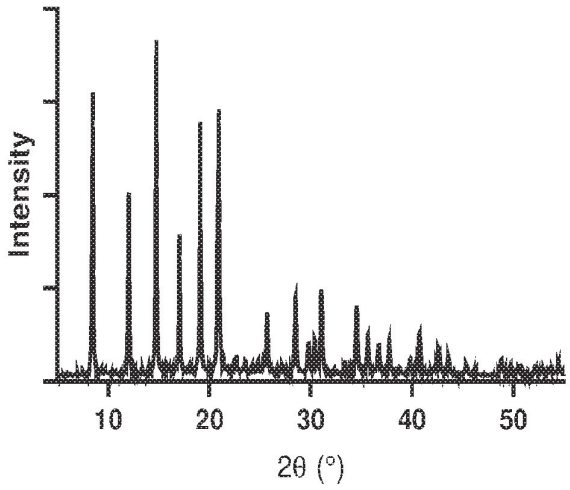

Intensity
10
20
30
40
50
2θ (°)

FIG. 4

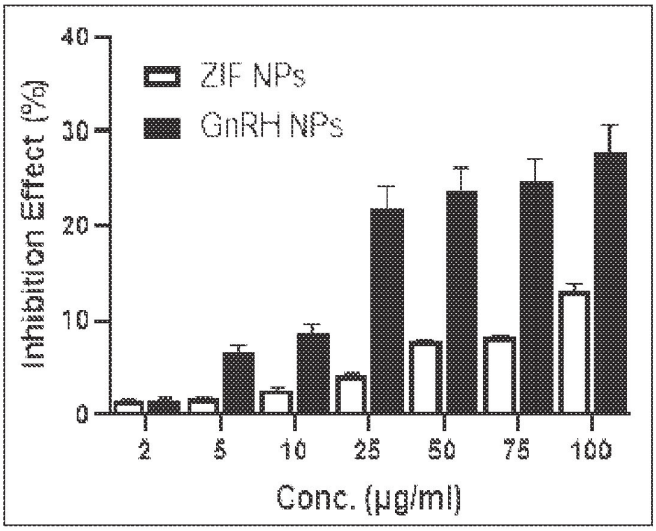

ZIF NPs
GnRH NPs
Inhibition Effect (%)
0
10
20
30
40
2
5
10
25
50
75
100
Conc. (μg/ml)

FIG. 5

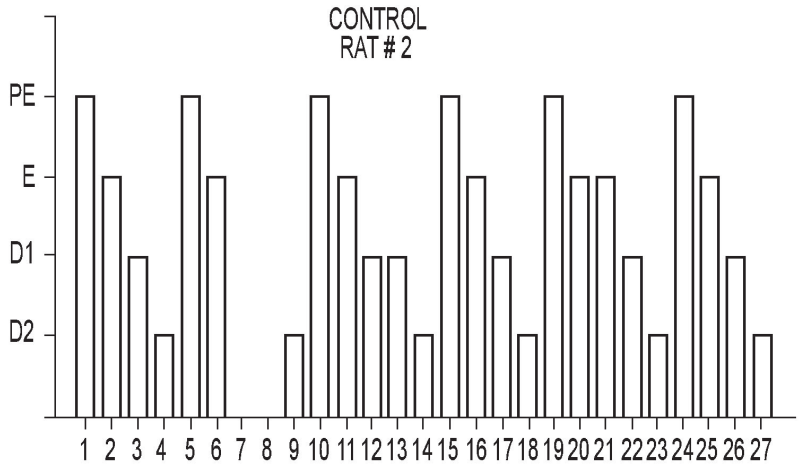


FIG. 6A

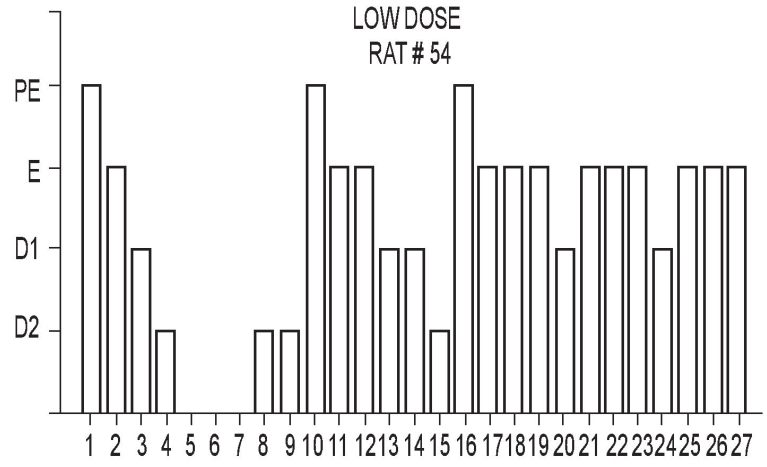


FIG. 6B

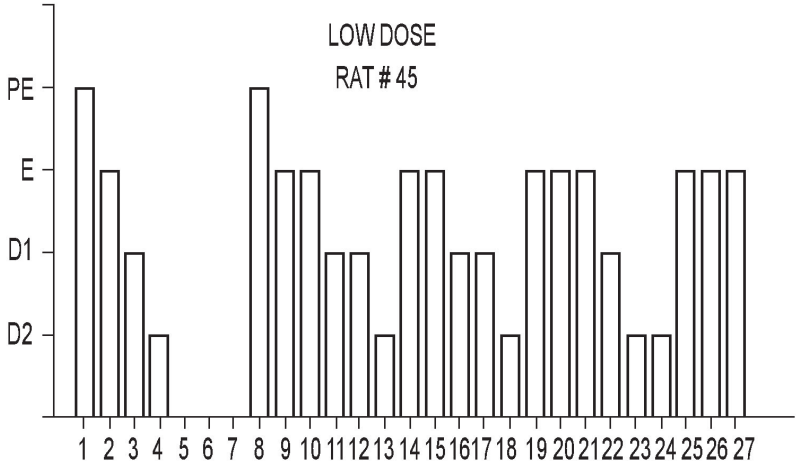


FIG. 6C

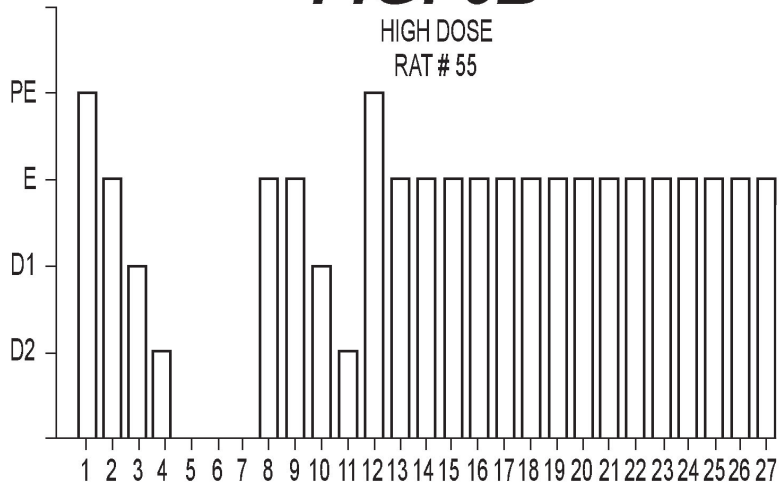


FIG. 6D

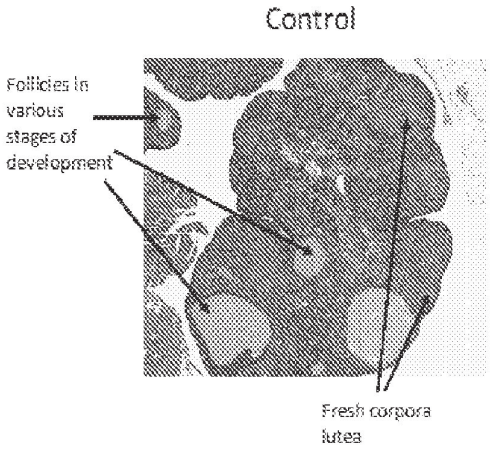

Control
Follicles in various stages of development
Fresh corpora lutea

FIG. 7A

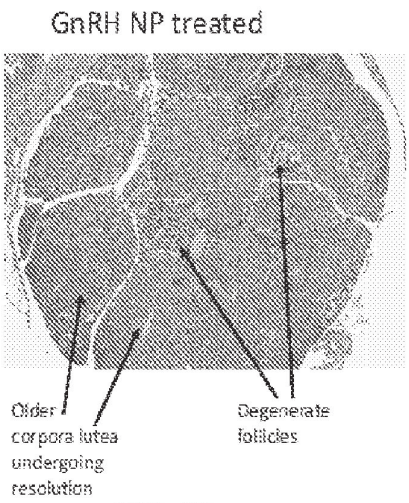

GnRH NP treated
Older corpora lutea undergoing resolution
Degenerate follicles

FIG. 7B

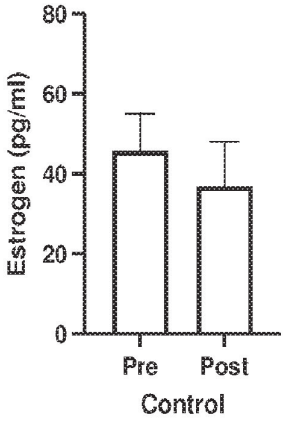


FIG. 8A

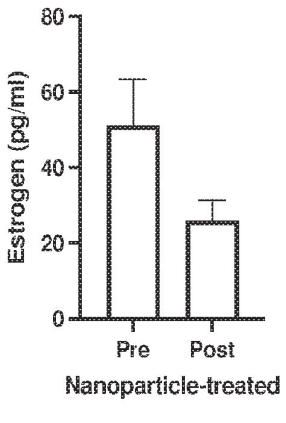


FIG. 8B

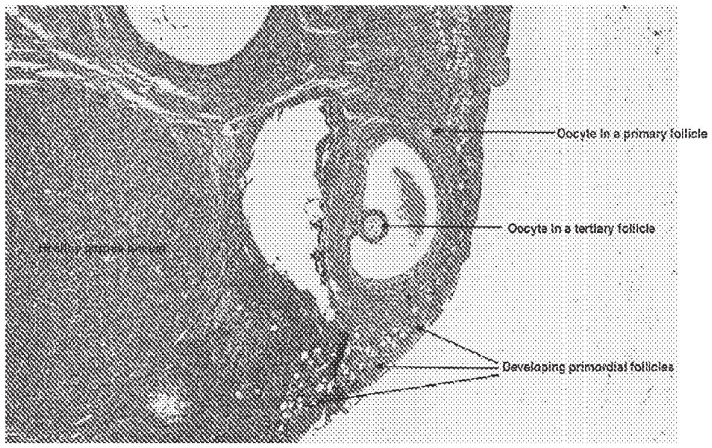


FIG. 9A

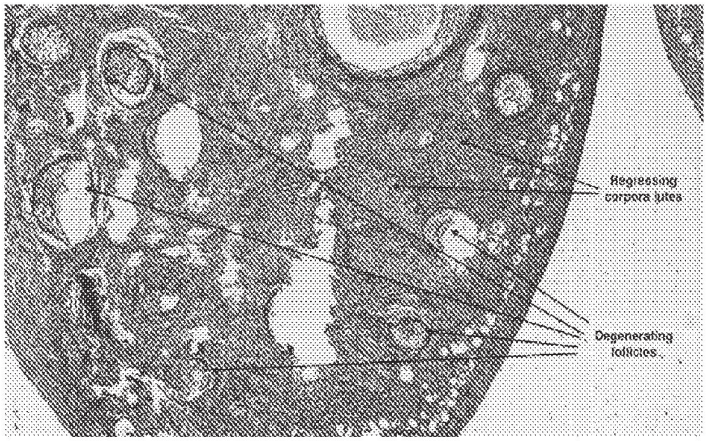


FIG. 9B

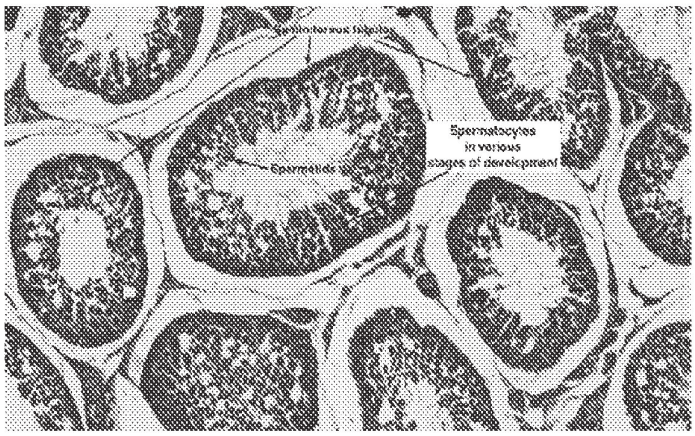


FIG. 10A

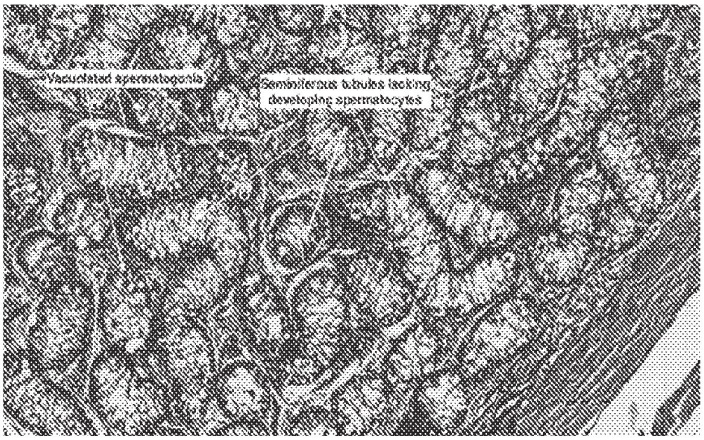


FIG. 10B