ii.) have a particle size of less than about 50nm; and

iii.) are present in said suspension at a concentration of about 2-1000ppm.

17.) The composition of claim 16, wherein said suspension has a zeta potential of at least about -40 mV and a pH of between about 8 to about 12.

18.) The composition of claim 17, wherein said surfaces have no organic chemical constituents adhered or attached to said surfaces.

19.) The composition of claim 16, wherein said surfaces are substantially clean and do not have chemical constituents adhered or attached to surfaces, other than water or lysis products of water.

20.) The composition of claim 19, wherein said suspension does not contain any chlorides or chlorine-based materials used to form the gold-platinum bi-metallic nanocrystals.

21.) ~~A method for treating a patient with a cancerous condition comprising administering to a patient in need thereof an effective amount of a composition of claim 1.~~ Use of a composition of claim 1 in the manufacture of a medicament for treating a patient with a cancerous condition.

22.) The ~~method~~ use of claim 21, wherein the cancerous condition comprises at least one of bladder, breast, cervix, CNS, colon H&N, lung, ovary, prostate, stomach, thyroid, uterus and vulva cancers.

23.) The ~~method~~ use of claim 22, wherein the cancerous condition comprises colon cancer.

24.) ~~A method for treating a patient with a condition receptive to platinum therapy comprising administering to a patient in need thereof an effective amount of a composition of claim 1.~~Use of a composition of claim 1 in the manufacture of a medicament for treating a patient with a condition receptive to platinum therapy.

25.) The ~~method~~ use of claim 21, wherein the composition is administered orally.

26.) The ~~method~~ use of claim 21, wherein the composition is administered interperitoneally.

27.) The ~~method~~ use of claim 21, wherein the composition is administered intratumorally.

28.) A process for forming gold-platinum bi-metallic nanocrystals suspended in water comprising:

providing at least one processing enhancer in said water;

providing at least one first trough member;

creating a flow direction of said water and processing enhancer through said at least one first trough member;

providing at least one platinum-based plasma forming electrode spaced apart from a surface of said water, thereby forming a space between said at least one platinum-based plasma-forming electrode and said surface of said water;