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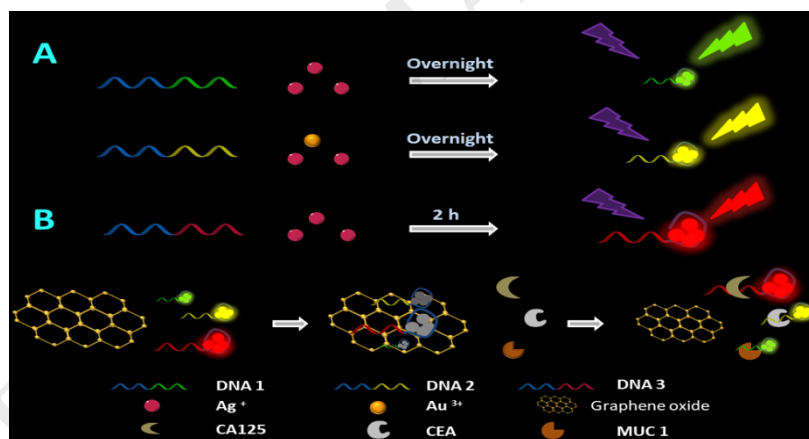
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Graphical Abstract



Hereby, three kinds of aptamer-functionalized silver and silver/gold nanoclusters (DNA-AgNCs and DNA-Ag/AuNCs) have been originally synthesized, and possessed the specific recognition ability for their related targets. To be specific, the fluorescence of AgNCs or Ag/AuNCs was distinctly quenched by introducing graphene oxide(GO), and the more

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