



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	2014_IRJPAC_12197
Title of the Manuscript:	A Graphene Oxide Nanoprobe for Sensitive Fluorescent Telomerase Activity Analysis
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	The mechanism of how the probe is functioning must be explained clearly: 1. Draw a picture (diagram) that shows all step of interaction. 2. The dye that makes the probe fluorescent must be specified, and its chemical structure must be provided. 3. What is the mechanism of quenching: FRET or something else? 4. What is dNTP?	1. The mechanism of the telomerase activity detection has been describe clearly in Scheme 1. 2. FAM(6-carboxy-fluorescein) is a fluorescein molecule with a carboxyl group added, which is applied widely to fluorescence labeling of cell, DNA, polypeptide and so on. This is a common sense for analytical chemist and chemicobiology researcher. 3. We consider the mechanism of quenching should be electron transfer. 4. dNTP is a generic term referring to the four deoxy-ribonucleoside triphosphates: dATP, dCTP, dGTP, dTTP. They are used for DNA synthesis and polymerase chain reaction (PCR).
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		