Reviewer’s report

Title: Relationship between EGFR expression, copy number and mutation in lung adenocarcinomas

Version: 1 Date: 25 March 2010

Reviewer: Maxwell Lee

Reviewer’s report:

- Major Compulsory Revisions

The manuscript entitled "Relationship between EGFR expression, copy number and mutation in lung adenocarcinomas" by Liang et al. characterized EGFR protein expression, DNA copy number, and mutations in 133 lung adenocarcinomas. The authors found positive association among increased protein expression and DNA copy and mutations. My major concern is that no analysis was done to relate these protein and DNA changes to the treatment response and patient survival data, which were apparently the stated goal of the study. The other issue is patient selection. The authors need to provide explicitly the selection criteria.

- Minor Essential Revisions

I would also like to see some discussion regarding the molecular basis for the positive association between mutations and DNA copy number changes.

- Discretionary Revisions

NA

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.