

Guidelines for Paper Reviews

1. Start by summarizing in approximately 0.5 page what the article is about. What were the questions that the experiments were designed to answer?
2. Do you believe their data? Do the data make sense in terms of the controls? Why or why not?
3. State clearly the take-home messages/conclusions the authors make.
4. Do you think their conclusions are justified/well supported? Why or why not?

Paper # 1 Targeting Specific Questions:

5. In terms of the course describe their general targeting conceptual approach.
6. In terms of the course, what concerns do you have about their approach? Suggest at least one improvement you would make if you did these studies.

Choose **ONE** of the following papers to review:

Omid C. Farokhzad, Sangyong Jon, Ali Khademhosseini, Thanh-Nga T. Tran, David A. LaVan, and Robert Langer. Nanoparticle-Aptamer Bioconjugates: A New Approach for Targeting Prostate Cancer Cells *CANCER RESEARCH* 64, 7668–7672, 2004.

Ralph Weissleder, Kimberly Kelly, Eric Yi Sun, Timur Shtatland, Lee Josephson. Cell Specific targeting of nanoparticles by multivalent attachment of small molecules. *Nature Biotechnology* 23(11): 1418-1423, 2005.