SJTU-BioX-Shanghai for iGEM 2010

Gene therapy on osteoarthritis——Questionnaire

This questionnaire may cost you about 3 minutes, thank you for your participation!

1. Do you know about gene therapy?
   - A. Yes.
   - B. No.

2. Do you think it possible to cure osteoarthritis by introducing certain genes into cartilage cells?
   - A. Possible and promising.
   - B. Possible, but risky.
   - C. Impossible.

3. Compared with traditional therapies, what do you think is the most advantageous aspect of gene therapy in Question No.2?
   - A. More effective.
   - B. Safer.
   - C. Lower costs.
   - D. Others.

4. What do you concern most about gene therapy?
   - A. Effectiveness.
   - B. Safety.
   - C. Cost.
   - D. Others.

5. If it has been clinically proved that gene therapy is far more effective than traditional therapies, and th expensive, would you choose gene therapy?
   - A. Yes.
   - B. No. Gene therapy is not sophisticated enough, so potential problems exist.

6. What is your attitude toward using virus as gene vector for curing diseases?
   - A. Acceptable as long as it is effective.
   - B. Many other aspects should be taken into consideration before I make the decision.
   - C. Unacceptable under any condition.

7. What do you think is the main safety problem in gene therapy?
   - A. Whether exogenous gene can work or be regulated as expected.
   - B. Whether tissue-specificity can be ensured so that normal cells are not influenced.
   - C. Whether exogenous gene will interfere with host genome, such as insertion mutatio carcinogenesis.
   - D. Whether exogenous vectors such as virus or bacteria will bring about immune responses.
   - E. Others. (Please specify: _____)

8. We are attempting to use E. coli and virus as vector to cure osteoarthritis. Which do you think is safer an effective?
   - A. E. coli.
   - B. Virus.
   - C. Both unsafe.
   - D. Both safe.

9. What do you think is the most effective way to enhance safety in our gene therapy?
   - A. Enable E. coli to suicide to control density.
   - B. Use safer bacteria instead of E. coli.
   - C. Stop using viral vector, or stop using vectors that will integrate into host genome.
   - D. Knockout possible epitopes on the vector.
   - E. Others. (Please specify: _____)