Assignment 8 Week 8

The due date for submitting this assignment is:

1. In MALDI-TOF/TOF, choose the correct order of mass analysis?
   - TOF1 + Collision gas + TOF2
   - TOF2 + Collision gas + TOF1
   - TOF1 + Collision gas + TOF1
   - TOF2 + Collision gas + TOF2
   
   No, the answer is incorrect.
   Due date
   Accepted Answers
   TOF1 + Collision gas + TOF2
   Score

2. Which mass analyser uses oscillating electric fields to stabilize the path of ions?
   - TOF
   - Quadrupole
   - Ion trap
   - Orbitrap
   
   No, the answer is incorrect.
   Due date
   Accepted Answers
   Quadrupole
   Score

3. Which one of the following methods is least useful for studying protein-protein interaction?
   - mass spectrometry
   - yeast two-hybrid system
   - Immuno precipitation
   - Blue-in-blue screening
   
   No, the answer is incorrect.
   Due date
   Accepted Answers
   Important
   Score

4. One of the major drawbacks of immunoprecipitation is:
   - It cannot identify proteins with low abundance
   - It cannot determine the molecular weight of the protein
   - It cannot determine what proportion of proteins are involved in direct interaction
   - All of the above
   
   No, the answer is incorrect.
   Due date
   Accepted Answers
   B: All of the above
   Score

5. Pick the correct combination of statements. Monoclonal antibodies: contain 1000 antibodies sequences
   - contain 1000 antibodies sequences
   - contain 1000 antibodies sequences
   - They are made of IgG antibodies
   - They are used to study transmembrane proteins
   - They are used to study functions
   
   No, the answer is incorrect.
   Due date
   Accepted Answers
   Important
   Score

6. Which one of the following cannot be studied using Monoclonal-based assay?
   - Fucose-phosphorylase
   - Identifying protein biomarkers
   - Post-translation modifications of protein
   - Crystal structure of proteins
   
   No, the answer is incorrect.
   Due date
   Accepted Answers
   Important
   Score

7. All are the examples of cell-free expression systems, except:
   - NAPPA
   - Multiple expression technique
   - Rosetta
   - Random
   - False
   - True
   
   No, the answer is incorrect.
   Due date
   Accepted Answers
   Important
   Score

8. Which of the following is a web-server database for Nucleotide sequence?
   - PDB
   - EMBL
   - Swissprot
   - RCSB
   - ROC-FASTA
   
   No, the answer is incorrect.
   Due date
   Accepted Answers
   Important
   Score

9. You are in a lab and your senior supervisor shows you any lab protocols to use, after several repeated attempts you are handed out one and you have
   attempted to perform the experiment maintaining same conditions thrice, however the protocol does not work out. You expect a final day, what will be your course of action?
   - You will contact the senior supervisor and ask for an explanation
   - You will talk to your supervisor and seek intervention suspecting a research ethics issue
   - You will talk to others in the laboratory
   - You will write to the dean
   
   No, the answer is incorrect.
   Due date
   Accepted Answers
   Important
   Score

10. Application of Lipidomics include:
    - gene editing
    - Drug targeting
    - Stress, function and interaction studies of biomolecules
    - Gut microbiota
    - None of the above
    
    No, the answer is incorrect.
    Due date
    Accepted Answers
    Important
    Score