reviewer4@nptel.iitm.ac.in ▼ Courses » Applications of interactomics using Genomics and proteomics technologies Announcements Course Ask a Question **Progress** FAQ Unit 2 - Week 1 Register for **Assignment 1 Certification exam** The due date for submitting this assignment has passed. Due on 2019-03-13, 23:59 IST. Course As per our records you have not submitted this outline assignment. 1) You want to study the function of a particular protein. Which type of microarray platform How to access 1 point the portal would you NOT prefer? Week 1 NAPPA MIST Interactive Session -Peptide arrays Welcome Note Antibody arrays Lecture 1 : Introduction to No, the answer is incorrect. Interactomics Score: 0 and Protein Arrays **Accepted Answers:** Antibody arrays Lecture 2 : NAPPA 2) Which one of the following does not involve cell-free expression? 1 point Technology and Protein Arrays-I PISA Lecture 3 : MIST NAPPA Technology and Reverse phase Protein DAPA Arrays-II Lecture 4 : No, the answer is incorrect. Biomarkers: Score: 0 Harnessing the **Accepted Answers:** immune system for early Reverse phase detection of 1 point 3) Which of the following statement(s) about protein arrays is/are NOT true? disease-I 1. Can be used to study substrate specificity of protein kinases Lecture 5 : 2. Enable us to study post-translational modifications Biomarkers: 3. Tissue, cell lysates can be directly spotted on a glass slide Harnessing the 4. Three dimensional (3D) conformation of proteins can never be preserved immune system for early © 2014 NPTEL - Privacy & Terms - Honor Code - FAQs -In association with A project of

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Feedback	No, the answer is incorrect.	
Assignment 1:	ce De Score: 0	
Solutions	Accepted Answers:	
Week 2	Only 4	
Week 3	4) Which one of the following statements about NAPPA array is/are NOT true?	1 point
week 3	<ol> <li>Involves a process of printing DNA</li> <li>Full length proteins cannot be printed using NAPPA</li> </ol>	
Week 4	3. Can be used for serum screening	
Week 5	4. All cDNAs append a common epitope tag to all of the proteins	
	1 and 2	묘
Week 6	Only 4	
Week 7	1 and 3	<b>2</b>
	Only 2	
Week 8	No, the answer is incorrect.	
Interaction	Score: 0	R
Session	Accepted Answers:	
	Only 2	
	5) You have just printed a microarray slide. Your next step is to test whether the printing has worked. What of the following would you choose?	1 point
	Anti-protein antibody	
	Picogreen stain	
	Malachite green stain	
	Anti-GST antibody	
	No, the answer is incorrect. Score: 0	
	Accepted Answers: Picogreen stain	
	6) What would you choose to know if your proteins are expressed on the slide?	1 point
	Anti-protein antibody	
	Picogreen stain	
	Malachite green stain	
	Anti-GST antibody	
	No, the answer is incorrect. Score: 0	
	Accepted Answers: Anti-GST antibody	
	7) What does LIMS mean?	1 point
	Laboratory instrument used for robotic plating	
	Software that automates workflows and manage samples and associated information	1
	Machine commonly found in labs used for large-scale plasmid preps	
	Integrated laboratory system for expression of fusion proteins in cells	
	No, the answer is incorrect. Score: 0	
	Accepted Answers:	
	Software that automates workflows and manage samples and associated information	

8) You are a doctor and your friend tells you about his family's medical history for a particular disease. Which type of biomarker would you choose to test if he also has the disease at that moment?	1 point
Early detection marker	
Prognostic marker	
Disease progression marker	
Risk marker	
No, the answer is incorrect. Score: 0	
Accepted Answers: Early detection marker	
9) You are a scientist who is trying to study immune responses to a particular disease X using NAPPA arrays. Which of the following statements cannot be true?	g <b>1 poi</b>
<ol> <li>Patients with disease X show signals for antigen A along with other antigens</li> <li>Normal patients who do not have the disease also show signals for antigen A</li> <li>Patients with disease Y (similar to disease X) will never show signals for antigen A</li> <li>Two patients with disease X will always show signals for antigen A</li> </ol>	
2 and 4 1 and 2 1 and 3 3 and 4	
No, the answer is incorrect. Score: 0	
Accepted Answers: 3 and 4	
10)You have identified a possible biomarker for X disease. What will you do next to be very sure that it is indeed a biomarker?	1 point
Compare cases and controls from the same population	
Compare age and gender matched cases and controls	
Perform a blinded study on patients from the population	
All of these	
No, the answer is incorrect. Score: 0	
Accepted Answers: All of these	
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