ourses » Applications of interactomics using Genomics and proteomics technologies				
Register for Certification exam	Assignment 4			
Course	The due date for submitting this assignment has passed.			
Course outline	As per our records you have not submitted this assignment. Due on 2019-03-27, 23:59 IST			
How to access the portal	1) Which of the following statement(s) is/are TRUE in case of arrayjet printing technology? 1 po			
Week 1	 HUPROT slides involve an arrayjet printing technology Can print 640 features per second Most of the printing is done by print head and not the pins Cannot be used to prepare chips for epitope mapping 			
Week 2				
Week 3	1, 2 and 3			
Week 4	2 and 3			
 Lecture 16 : Introduction to Bioprinting and Iris™ Optical QC Benefits-I 	 1, 3 and 4 Only 3 No, the answer is incorrect. 			
 Lecture 17 : 	Score: 0 Accepted Answers:			
Introduction to	1, 2 and 3			
Bioprinting and Iris™ Optical QC Benefits-II	2) Which of the following is INCORRECT in case of JetSpyder? 1 po			
Lecture 18 :	It is used to pick up samples before printing			
Basics and Applications of	3ul of samples is required for printing 75 slides			
Reverse Phase	It binds to the print head			
Protein Arrays-I	Set of 12 samples can be aspirated together			
Lecture 19 : Basics and	No, the answer is incorrect.			
Applications of Reverse Phase	Score: 0			
Protein	Accepted Answers: 3ul of samples is required for printing 75 slides			
Arrays-II	3) You are printing 100 microarray slides. How much time will you take (approximately) to print 1 po			
Lecture 20 : Basics and	12 samples on these slides using Arrayjet technology?			

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Videos	No, the answer is incorrect. ce De Score: 0
© Weekly Feedback	Accepted Answers: 2 minutes
Veek 5	4) Which of these can be used as substrates for printing? 1 po
eek 6	
eek 7	 Planar surfaces Hydrogel slides
	 Hydrogei slides Nanowell chips
ek 8	 All of the above
eraction ssion	No, the answer is incorrect.
	Score: 0 Accepted Answers:
	All of the above
	5) Which if the following is INCORRECT in case of traditional microarraying? 1 po
	It involves use of pins
	They are usually affymetrix-based assays
	Has higher accuracy than bioprinting because print runs are slower
	They require high maintenance
	No, the answer is incorrect.
	Score: 0 Accepted Answers:
	Has higher accuracy than bioprinting because print runs are slower
	6) Which of the following you may NOT require for printing a slide using Arrayjet technology? 1 po
	Glycerol buffer
	Slides
	Scanner
	JetSpyder
	No, the answer is incorrect. Score: 0
	Accepted Answers:
	Scanner
	7) You want to perform a Reverse phase protein array experiment for targeted analysis of 1 po cellular proteomes. Here are the list of reagents and equipment you already have: (Tissue lysates, Lysis and extraction buffers, Wash and dilution buffers, Protein arrayer, Antibodies ar
	Microarray scanner). Which of the following do you still need to perform your experiment?
	 Stain like SyproRuby for protein staining 384 well plates
	3. Bradford reagent/nanodrop
	4. Western blotting apparatus and reagents
	1, 2 and 4
	2 and 3
	1, 2 and 3
	All of the above
	No, the answer is incorrect.
	Score: 0

8) Which of the following is INCORRECT in case of reverse phase protein arrays (RPPA) It does not involve cell-free expression	1 point
It does not involve cell-free expression	
Samples are probed over a slide spotted with purified proteins	
It is compatible with many detection techniques	
Lysis buffer chosen can interfere with visualization of signals	
No, the answer is incorrect. Score: 0	5
Accepted Answers: Samples are probed over a slide spotted with purified proteins	2
 9) Antibody validation in case of RPPA involves the following steps in which order? 1. Western blot using multiple lysates 	1 poi
 Knock down experiments Western blot using pooled lysates of interest Serial dilution of pooled lysates and RPPA validation 	Z
 1-3-2-4 3-1-2-4 2-3-1-4 3-2-1-4 	
No, the answer is incorrect. Score: 0	
Accepted Answers: 1-3-2-4	
10)Which of the following normalization methods is not ideal for RPPA data?	1 point
Global median centering	
Quantile	
Super curve	
O Variable slope	
No, the answer is incorrect. Score: 0	
Accepted Answers: Quantile	

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