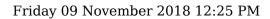


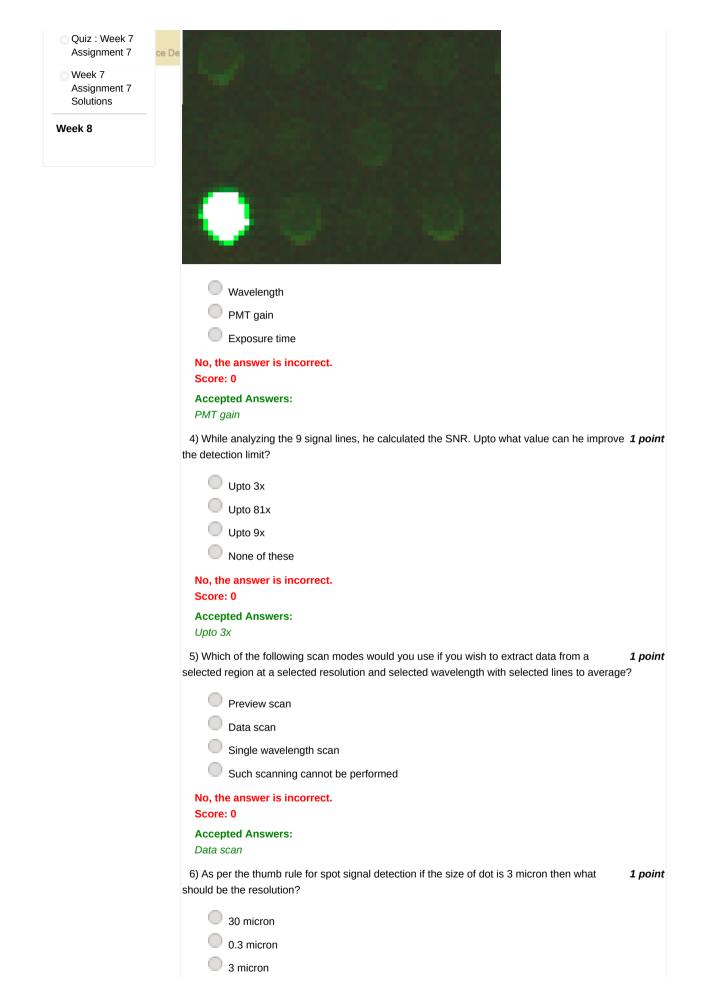
Unit 8 - Week 7

outline	Week 7 Assignment 7		
How to access the portal ?	The due date for submitting this assignment has passed.As per our records you have not submitted thisDue on 2018-10-17, 23:59 IST.assignment.		
Week 1	1) Condition 1 . Akshat wants to compare three clinical conditions viz. Severe malaria, 1 <i>point</i> non-severe malaria and healthy individuals. By using protein microarrays, answer the following		
Week 2	questions (Questions 1 to 5). Which approach should Akshat use to find the best panel of biomarkers using microarray data?		
Week 3	 Bootstrap method 		
Neek 4	Loop design method		
Week 5 Reference design method			
Veek 6	None of the above can be used		
Week 7	No, the answer is incorrect. Score: 0		
Lecture 32 - Application of cell free expression protein microarrays in immunological studies	Accepted Answers: Bootstrap method 2) Akshat bought a slide but after processing the slides he observed lots of deformities. However, due to the sample and financial constrains he could not buy another slide for re-running sample and processing it again. Which hardware will be suitable for Akshat so that his experiment not suffered?		
 Lecture 33 - Basics of microarray image scanning 	 Non-confocal design Inverted chemistry None of the above 		
Lecture 34 - Software for Image scanning and data processing	No, the answer is incorrect. Score: 0 Accepted Answers:		
Lecture 35 - Microarray Data Analysis:	Inverted chemistry 3) Akshat Scans the slide and finds saturated spots as shown below. What GenePix pro software settings can be altered to get a better result?		
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oject of	In association with		

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Interactomics - - Unit 8 - Week 7



\odot	300 micron
	e answer is incorrect.
Score	
30 mid	oted Answers: cron
	e selecting a PMT through an intensity histogram (Real time pixel intensity vs 1) ed pixel count) ideally, the histogram for both channels should be
0	Scattered
0	Overlapped
0	Opposite in phase
0	None of the above
	e answer is incorrect.
Score	
Overla	oted Answers: apped
	scanned the microarray chip and used GAL file to spot all the features but he didn't 1 e coordinates properly on the feature spots. What will be the effect of this on the results?
0	Spot intensity will get effected
0	Spots can be wrongly annotated
	Background will have wrong values
	All of the above
No, th Score	e answer is incorrect.
Acce	bted Answers:
9) To cl	neck the quality of the scan in real time manner which of the features are NOT helpful? 1
0	PMT gain
0	Intensity Histogram
0	GAL file
0	Scatter plot
No, th Score	e answer is incorrect.
	oted Answers:
	ity Histogram

10)Which of the following is NOT a commonly used algorithm for data normalization?	1 point
Cyclic Lowess	
Quantile	
Variance Stabilization	
t-test	
Robust linear	
No, the answer is incorrect.	
Score: 0	
Accepted Answers: t-test	
Previous Page E	nd